Canon

MG5600 series

Online Manual

Read Me First
Useful Functions Available on the Machine
Overview of the Machine
Printing
Copying
Scanning
Troubleshooting

English

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- Notes on Online Manual Usage
- How to Print

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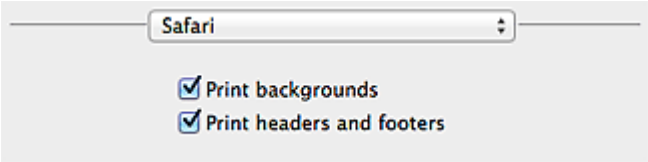

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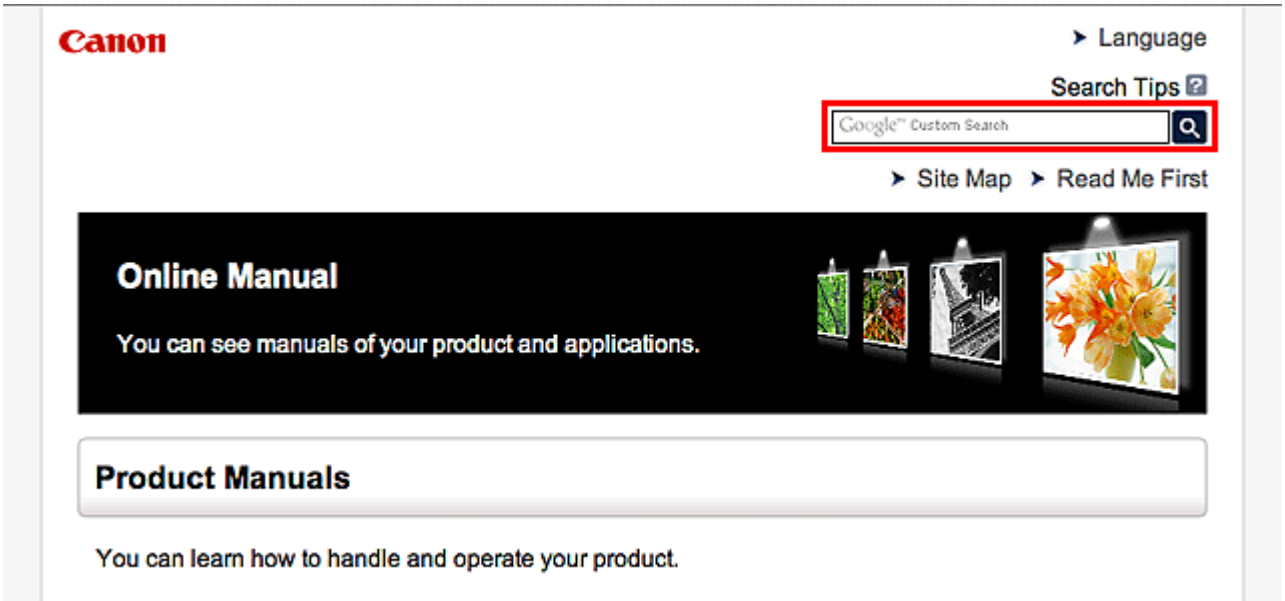


Note

- The displayed screen may vary.
- When searching from this page or the "Home" page without entering your product's model name or your application's name, all products supported by this guide will be considered for the search.
  If you want to narrow down the search results, add your product's model name or your application's name to the keywords.

- **Searching for Functions**

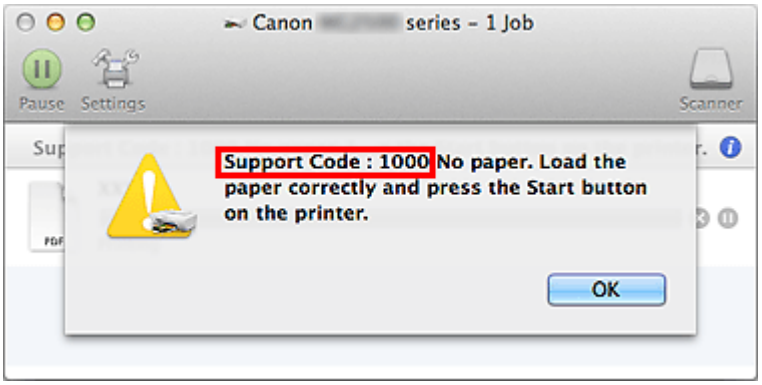
  Enter your product's model name and a keyword for the function you want to learn about

  Example: When you want to learn how to load paper
  Enter "(your product's model name) load paper" in the search window and perform a search

- **Troubleshooting Errors**

  Enter your product's model name and a support code

  Example: When the following error screen appears
  Enter "(your product's model name) 1000" in the search window and perform a search



Note

- The displayed screen varies depending on your product.

- **Searching for Application Functions**

  Enter your application's name and a keyword for the function you want to learn about

  Example: When you want to learn how to print collages with My Image Garden
  Enter "My Image Garden collage" in the search window and perform a search

- **Searching for Reference Pages**

  Enter your model name and a reference page title*
  * You can find reference pages more easily by entering the function name as well.

  Example: When you want to browse the page referred to by the following sentence on a scanning procedure page
  Refer to "Color Settings Tab" for your model from Home of the *Online Manual* for details.
  Enter "(your product's model name) scan Color Settings Tab" in the search window and perform a search

Notes on Operation Explanations

In this guide, most of the operations are described based on the windows displayed when OS X Mavericks v10.9 is used.

Useful Functions Available on the Machine

- Connect Wirelessly with Ease in "Access Point Mode"
- Print Photos Easily Using My Image Garden
- Download a Variety of Content Materials
- Print Items with Easy-PhotoPrint+ (Web Application)
- Connection Methods Available on the Machine
- Notice for Web Service Printing
- Use PIXMA Cloud Link
- Printing with Google Cloud Print
- Printing from AirPrint Compliant Device
- Checking Printer Information
- Online Storage Integration Function
- How to Use Print from E-mail
- Print Easily from a Smartphone or Tablet with PIXMA Printing Solutions
- Printing with Windows RT

Connect Wirelessly with Ease in "Access Point Mode"

The machine supports "access point mode" in which you can connect to the machine wirelessly from a computer or smartphone even in an environment without an access point or wireless LAN router. Switch to "access point mode" with simple steps to enjoy scanning and printing wirelessly.

When you use the machine with the access point mode, be sure to specify the access point name of the machine and the security setting in advance.

- Using the Machine with the Access Point Mode

Print Photos Easily Using My Image Garden

Organize Images Easily

In My Image Garden, you can register the names of people and events to photos.
You can organize photos easily as you can display them not only by folder but also by calendar, event, and person. This also allows you to find the target photos easily when you search for them later on.

<Calendar View>

<People View>

Display Recommended Items in Slide Shows

Based on the information registered to photos, Quick Menu automatically selects the photos on your computer and creates recommended items such as collages and cards. The created items appear in slide shows.

If there is an item you like, you can easily print it in just two steps.

1. In Image Display of Quick Menu, select the item you want to print.
2. Print the item with My Image Garden.

Place Photos Automatically

Delightful items are created easily as the selected photos are placed automatically according to the theme.

Other Various Functions

My Image Garden has many other useful functions.

Refer to "What You Can Do with My Image Garden" for details.

Download a Variety of Content Materials

CREATIVE PARK

A "printing materials site" where you can download all the printing materials for free.
Various types of content such as seasonal cards and paper crafts that can be made by assembling paper parts are provided.
It is easily accessible from Quick Menu.

CREATIVE PARK PREMIUM

A service where customers using models that support PREMIUM Contents can download exclusive printing materials.
PREMIUM Contents can be downloaded easily via My Image Garden. Downloaded PREMIUM Contents can be printed directly with My Image Garden.
To download PREMIUM Contents, make sure that genuine Canon ink tanks/ink cartridges are installed for all colors on a supported printer.

Note

- The designs of PREMIUM Contents provided in this page are subject to change without prior notice.

Print Items with Easy-PhotoPrint+ (Web Application)

You can easily create and print personalized items such as calendars and collages, anytime and anywhere, by simply accessing Easy-PhotoPrint+ on the web from a computer or tablet.

By using Easy-PhotoPrint+, you can create items in the latest environment without going through the trouble of installation.

Moreover, you can use various photos for your item through integration with social networks such as Facebook, or with online storage, web albums, etc.

Refer to "*Easy-PhotoPrint+ Guide*" for details.

Connection Methods Available on the Machine

The following connection methods are available on the machine.

Wireless Connection

With an access point

Without an access point

USB Connection

Wireless Connection

There are two methods for connecting the printer to your device (such as a smartphone). One method is to connect using an access point, and the other method is to connect without using an access point.
The two connection methods cannot be used at the same time.

If you have an access point (or wireless network router), it is recommended that you use the method described in Connection Using an Access Point.

When connecting another device while a device is already connected to the printer, connect it using the same connection method as the connected device.
If you connect using a different connection method, the connection to the device in use will be disabled.

Connection Using an Access Point

- Connect the printer and a device using an access point.
- Connection methods vary depending on the access point type.
- You can change network settings such as the SSID and security protocol on the printer.
- When the connection between a device and an access point is completed and (Wi-Fi icon) is displayed in the device's screen, you can connect the device to the printer using the access point.

Connection without Using an Access Point

- Connect the printer and a device without using an access point. Connect a device and the printer directly using the printer's access point mode function.
- When establishing a connection in access point mode, Internet connection may become unavailable. In that case, web services for the printer cannot be used.
- If you connect a device connected to the Internet via an access point to the printer that is in access point mode, the connection between the device and access point will be disabled. In that case, the connection of the device may switch to a mobile data connection automatically depending on your device. Transmission fees for connecting to the Internet using a mobile data connection apply.
- In access point mode, you can connect up to five devices at the same time. If you try to connect a sixth device while five devices are already connected, an error will appear.
  If an error appears, disconnect a device that does not use the printer, then configure settings again.
- Network settings such as the SSID and security protocol can be changed on the printer.

When Using Windows XP:

Connection without Using an Access Point (Windows XP)

Restrictions

(Appears in a new window)

USB Connection

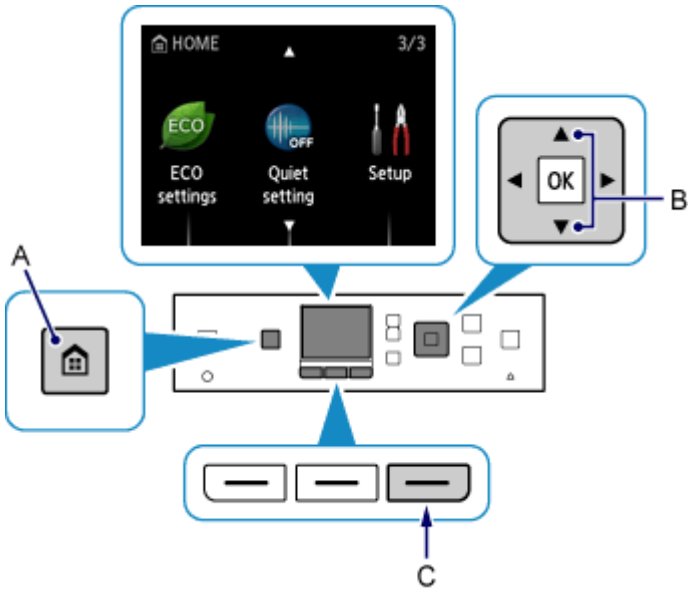
Connect the printer and a computer with a USB cable. Prepare a USB cable.

Connection without Using an Access Point (Windows XP)

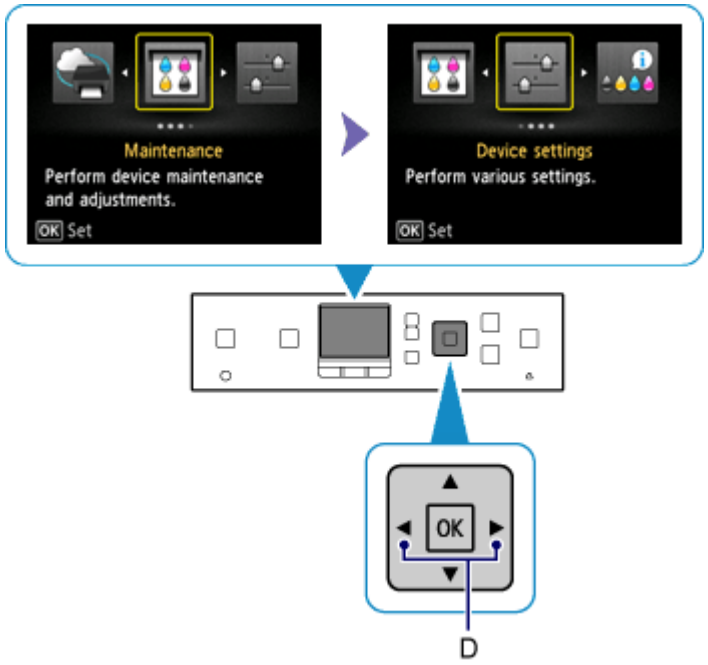
Restrictions

(Appears in a new window)

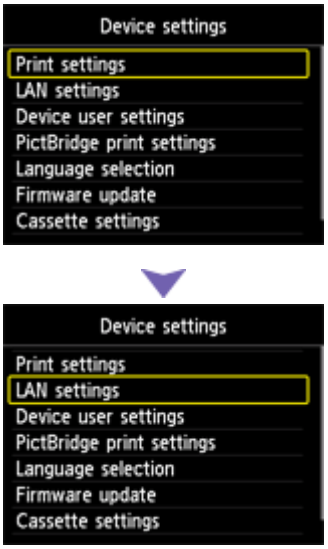
1. Press the **HOME** button (A) on the printer, use the ▲ or ▼ button (B) to display **Setup**, then press the right **Function** button (C).



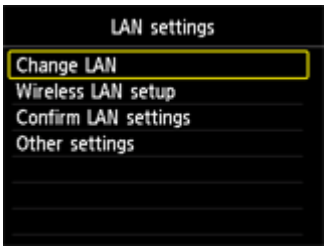
2. Use the ◀ or ▶ button (D) to select **Device settings**, then press the **OK** button.



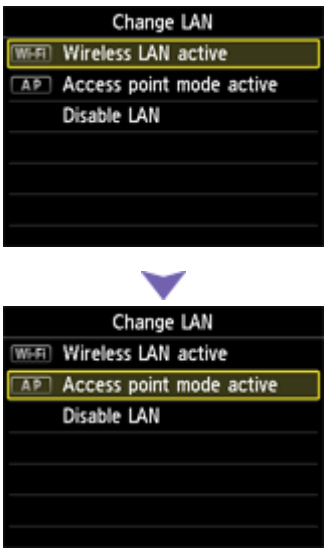
3. Select **LAN settings**, then press the **OK** button.



4. Select **Change LAN**, then press the **OK** button.



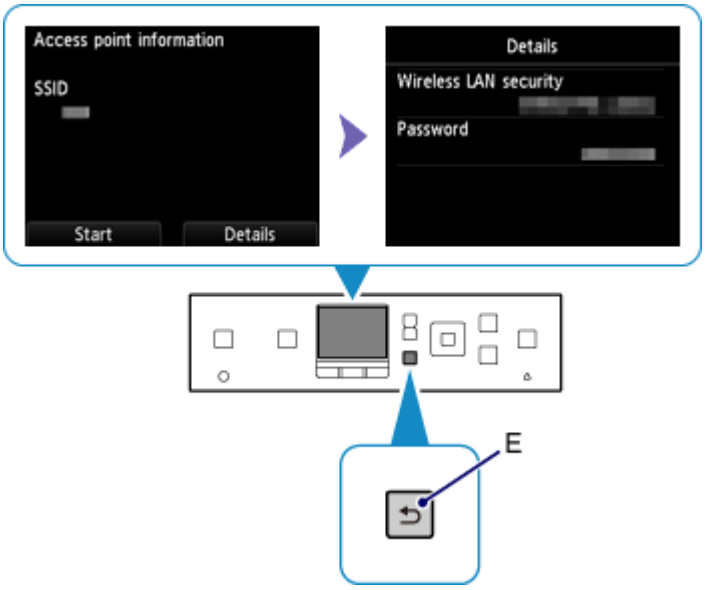
5. Select **Access point mode active**, then press the **OK** button.



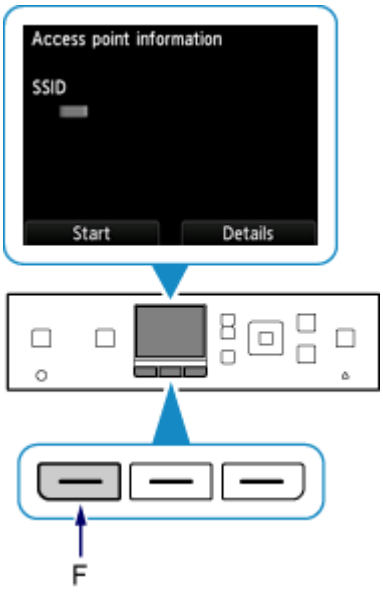
6. Check the **SSID** displayed in the printer screen.

7. Press the right **Function** button, check the **Password** (network key), then press the **Back** button (E).

   You will use the **SSID** and **Password** (network key) in the subsequent steps.

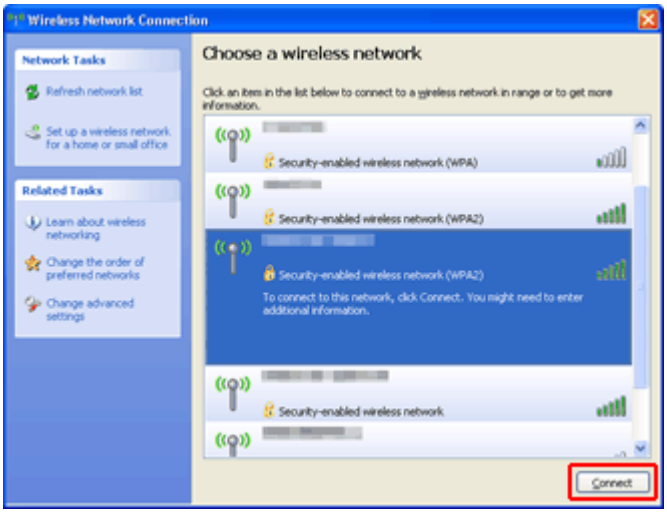


8. Press the left **Function** button (F).

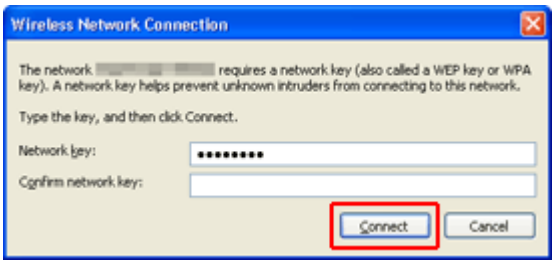


9. Right-click the **Wireless Network Connection** icon in the notification area of the taskbar on the computer, then select **View Available Wireless Networks**.

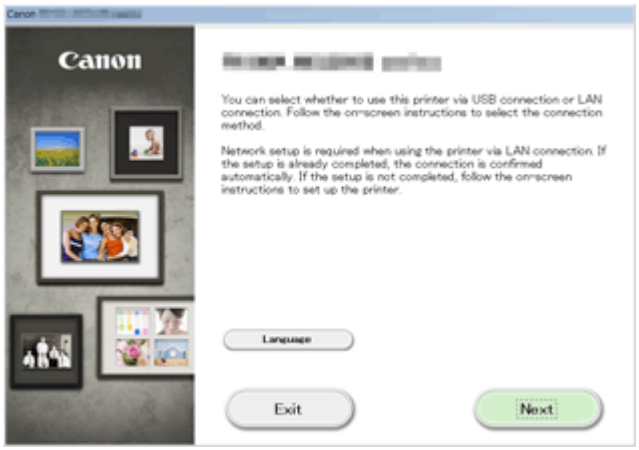
10. Select the network name (SSID) you want to use, then click **Connect**.



11. Enter the **Password** (**Network key**), then click **Connect**.



12. When connection is complete, click **Back** until the screen below appears. Proceed with the setup.



Restrictions

When connecting another device while a device (such as a smartphone) is already connected to the printer, connect it using the same connection method as the connected device.
If you connect using a different connection method, the connection to the device in use will be disabled.

Connection Using a Wired Network cannot be performed on printers that do not support a wired connection.

Connection Using an Access Point

- Make sure that a device and an access point (or wireless network router) are connected. For details on how to check the settings, refer to the manual supplied with the access point or contact its manufacturer.
  As for a device already connected to the printer without using an access point, reconnect it via an access point.
- The configuration, router functions, setup procedures and security settings of the network device vary depending on your system environment. For details, refer to the manual of your network device or contact its manufacturer.
- Check if your device supports IEEE802.11n (2.4 GHz), IEEE802.11g or IEEE802.11b.
- If your device is set to the "IEEE802.11n only" mode, WEP or TKIP cannot be used as a security protocol. Change the security protocol for your device to something other than WEP and TKIP or change the setting to something other than "IEEE802.11n only."
  The connection between your device and the access point will be temporarily disabled while changing the setting. Do not operate the screen of this guide until the setup is complete.
- For office use, consult your network administrator.
- Take added care when connecting to a network that is not protected with security measures, as there is a risk of disclosing data such as your personal information to a third party.

Connection without Using an Access Point

Important

- If you connect a device connected to the Internet via an access point to the printer that is in access point mode, the connection between the device and access point will be disabled. In that case, the connection of the device may switch to a mobile data connection automatically depending on your device. When you connect to the Internet using a mobile data connection, charges may apply depending on your contract.
  - When you connect a device and the printer in access point mode, the connection information will be saved to Wi-Fi settings. The device may be connected to the printer automatically even after disconnecting it or connecting it to another access point.
  - You cannot connect to an access point and the printer that is in access point mode at the same time. If you have an access point, it is recommended that you use the access point to connect to the printer.
  - To prevent automatic connection to the printer that is in access point mode, change the connection mode after using the printer, or set not to connect automatically in the Wi-Fi settings of the device.
    For details on how to change the settings of a device, refer to the manual supplied with the device or contact its manufacturer.

- When connecting a device and the printer in access point mode, Internet connection may become unavailable. In that case, web services for the printer cannot be used.
- In access point mode, you can connect up to five devices at the same time. If you try to connect a sixth device while five devices are already connected, an error will appear.
  If an error appears, disconnect a device that does not use the printer, then configure settings again.
- Devices connected to the printer in access point mode cannot communicate with each other.
- Firmware updates for the printer are not available while using the access point mode.
- When a device has been connected to the printer without using an access point and you want to set it up again using the same connection method, disconnect it first. Disable the connection between the device and printer in the Wi-Fi setting screen.

Connection Using a Wired Network

- This printer cannot be used over wireless and wired connections at the same time.
- When using a router, connect the printer and a device to the LAN side (same network segment).

Notice for Web Service Printing

When Using Web Service

- Canon does not guarantee the continuity and reliability of the web services provided, the availability of site access, or permission to download the materials.
- Canon may at any time update, change, or delete the information provided through the web service, or may suspend or discontinue the service without prior notice. Canon shall not be held responsible for any damages resulting from such actions.
- In no event shall Canon be liable for any damages whatsoever resulting from the use of the web services.
- User registration is necessary before using the photo sharing site.
  When you use the photo sharing site, observe the conditions of use of the site and use the service within your own responsibility.
- All or part of the web service may not be available depending on the country or region you live in.
- Depending on your network environment, some functions on web service are not available. Even if they are available, it may take a while to print or display the contents, or communication may be interrupted while operation is in progress.
- When you use web service, your machine's name, information of your region or country, your selected language, and what kind of service you use (e.g. photo sharing site) are sent to and saved in our server. Canon is unable to identify specific customers using this information.
- Your login name and password for the photo sharing site are saved in the machine's memory (not encrypted).
  If you hand over the machine to anyone or dispose of it, delete your login name and password from the machine's memory in advance.
- The account information will be sent to Canon Inc. server (located in Japan), then forwarded to the service provider's server.
- Canon handles your account information as follows:
  - Your account information will be used in personal identification process of the selected service.
  - Canon will not provide your account information to any third party without your consent, except for sending to the service provider or providing based on laws and regulations.
  - After the conclusion of non-disclosure agreement, Canon may deposit your account information to the contractor to achieve the purpose of use.
  - Canon endeavors to secure the safety of your account information.
  - It is at your option to enter and send your account information. However, the service that requires to enter your account information is not available unless you enter and send it.
  - Your account information does not remain in Canon Inc. server. At the latest, it will be deleted when you have disconnected your printer from LAN.
  - For details, contact a Canon-authorized sales representative in the country or region you live in.

Copyrights and Rights of Publicity

When printing from the photo sharing site:

- Observe the conditions of use of the photo sharing site when you use photos on the site.
- It is unlawful to reproduce or edit the copyrighted work of another person without permission from the copyright holder, except for personal use, use within the home, or other use within the limited scope as defined by the copyright. Additionally, reproducing or editing photographs of people may infringe on Rights of Publicity.

When printing downloaded template forms:

1. The copyright of each material (photos, illustrations, logos, or documents: hereinafter referred to as "the materials") provided on the web template printing service belongs to their respective owners. Issues pertaining to Rights of Publicity may arise regarding the use of any of people or characters displayed on the web template printing service.

   Except as otherwise permitted (please see "2" below), copying, modifying or distributing all or a portion of any of the materials contained on the web template printing service without prior consent of the respective rights (Rights of Publicity and Copyright) holder is strictly prohibited.

2. All of the materials provided on the web template printing service can be freely used for personal and non-commercial purposes.

Use PIXMA Cloud Link

By using PIXMA Cloud Link, you can connect your printer to a cloud service, such as CANON iMAGE GATEWAY, Evernote, or Twitter, and use the following functions without using a computer:

- Print images from a photo-sharing service
- Print documents from a data management service
- Save scanned images to a data management service.
- Use Twitter to report the printer status, such as no paper or low ink levels.

In addition, you can use various functions by adding and registering apps that are linked with various cloud services.

- Using PIXMA Cloud Link from Your Printer
- Using PIXMA Cloud Link from Your Smartphone, Tablet, or Computer

Important

- In certain countries, PIXMA Cloud Link may not be available or the available apps may be different.
- Some apps require that you have an account before you use those apps. For such apps, please set up an account beforehand.
- To find out which models support PIXMA Cloud Link check the Canon homepage.
- The screen display may change without prior notice.

Using PIXMA Cloud Link from Your Printer

- **Before Using PIXMA Cloud Link from Your Printer**
- **Preparing to Use PIXMA Cloud Link from Your Printer**
- **Using PIXMA Cloud Link**
- **Cloud Troubleshooting**

Before Using PIXMA Cloud Link from Your Printer

First, check the following content:

- **Precautions**

  If you plan to use the web service to print documents, be sure to check these precautions beforehand.

- **Network environment**

  The printer must be connected to a LAN and to the Internet.
  If your printer is not connected to a LAN, see here and set one up.
  For information on the LAN and Internet settings, see the manual of your network devices or contact the manufacturer.

  Important

  - The user will bear the cost of Internet access.

Preparing to Use PIXMA Cloud Link from Your Printer

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This software is based in part on the work of the Independent JPEG Group.

THE BASIC LIBRARY FUNCTIONS
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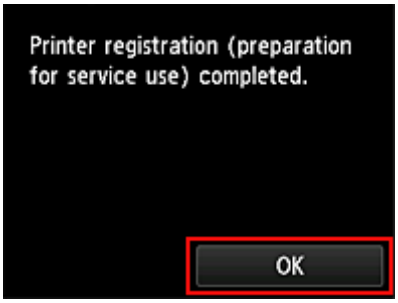
Preparing to Use PIXMA Cloud Link from Your Printer

Follow the steps described below to register the printer information to the cloud service server.

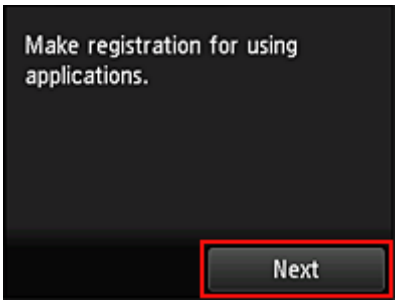
1. Check that the printer is connected to the Internet

2. From the printer home screen, select **Cloud**

3. When the registration completed screen appears, select **OK**

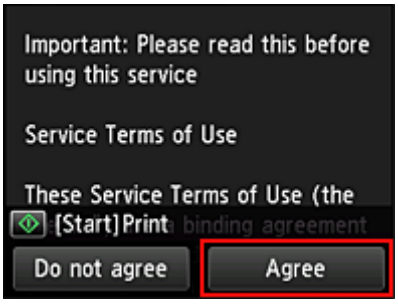


4. On the confirmation screen, select **Next**

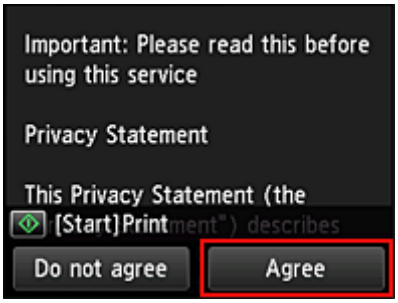


5. In the **License agreement** and **Privacy statement** windows, read the statements, and then select **Agree** if you agree

<License agreement>



<Privacy statement>



Note

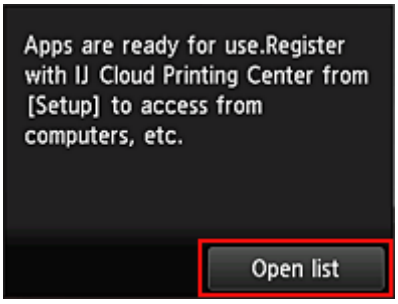
- If you select **Disagree**, a confirmation screen of canceling the user information registration appears. If you select **Yes**, the user information registration is canceled, and you return to the Home screen.
  Even if you select **Disagree**, you can still use this service by selecting **Agree** from the registration screen later.
- You can print the displayed information by pressing the **Start** button.

6. On the **Time zone** screen, select the time closest to your region, and then select **Next**

7. In the time zones list, select the region closest to you

   For some regions, a screen for applying the daylight saving time setting may appear.

8. When a message appears notifying that the app is now available, select **Open list**



The registration of printer information is completed, and a list of apps is displayed.
See here for the description of the apps list screen.

After you complete the registration, you can print photos and documents that have been uploaded to apps on the linked cloud service and add/delete/sort apps.

- Using PIXMA Cloud Link

Application Management

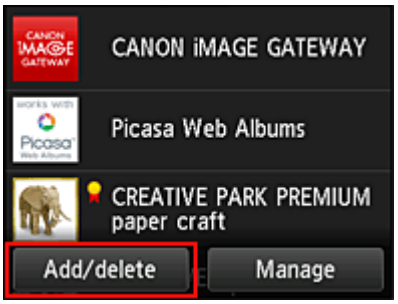
This section explains how to add, delete, and sort apps.

Add apps

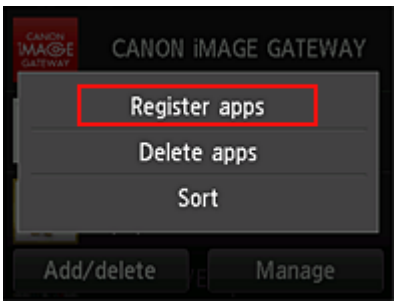
You can add your favorite apps to the printer.
Follow the steps described below to add apps.

1. From the printer home screen, select **Cloud**

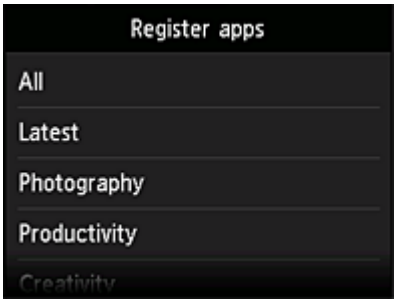
2. On the cloud's Main screen, select **Add/delete**



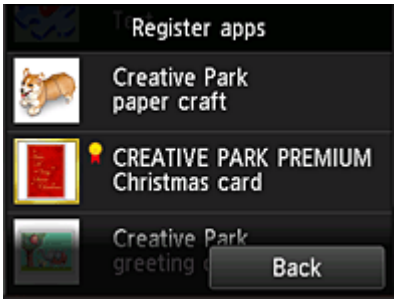
3. Select **Register apps**



4. From the list, select the category of the app



5. From the displayed apps list, select the app that you want to register

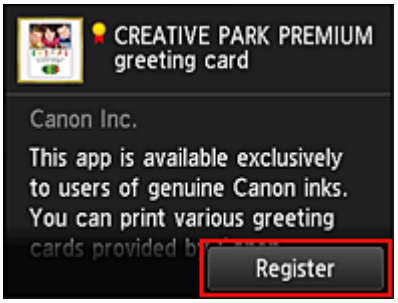


Note

- Description of displayed icons

  : Can be used with genuine Canon ink.

6. Select **Register**



The registration is completed and the app is added to the apps list.

To register another app, repeat the procedure from step 5.
To end the app registration, select **Back** and return to the cloud's Main screen.

Important

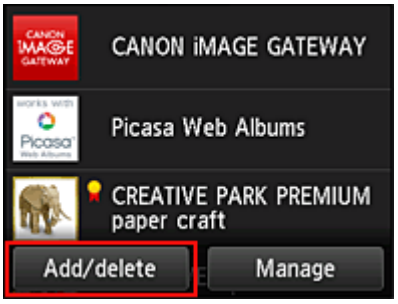
- Some apps may require a linked app account before you can use the app. If this is the case, set up an account beforehand.

Delete apps

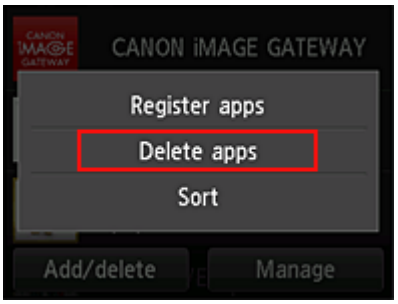
You can delete unnecessary apps from the apps list.
Follow the steps described below to delete apps.

1. From the printer home screen, select **Cloud**

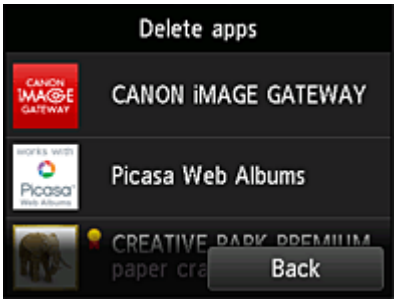
2. On the cloud's Main screen, select **Add/delete**



3. Select **Delete registered apps**



4. From the apps list, select the app that you want to delete



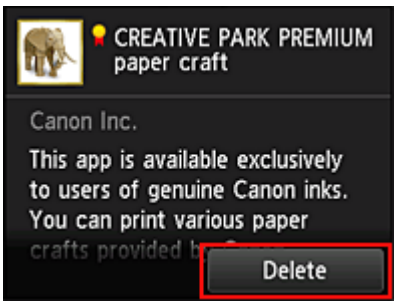
Note

- Description of displayed icons

  : Cannot be used because it is not yet released, not available in your region, or does not support your model.

  : Can be used with genuine Canon ink.

5. Select **Delete**



When the deletion is finished, the app will be deleted from the apps list on the main screen.

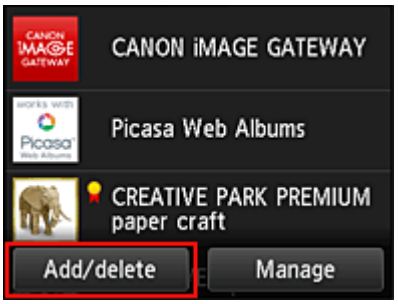
To delete another app, repeat the procedure from step 4.
To end the app deletion, select **Back** and return to the cloud's Main screen.

Sort apps

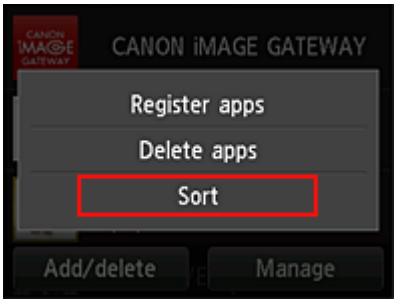
You can sort apps displayed on the apps list.
Follow the steps described below to sort apps.

1. From the printer home screen, select **Cloud**

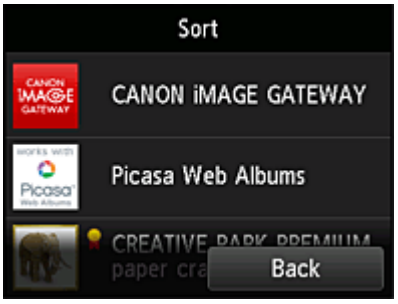
2. On the cloud's Main screen, select **Add/delete**



3. Select **Sort**



4. On the apps list, select the app that you want to sort



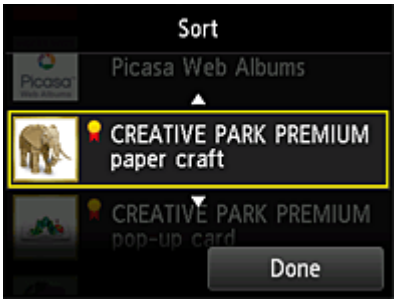
Note

- Description of displayed icons

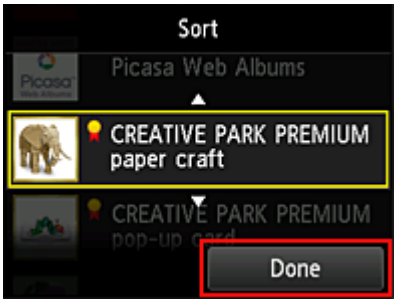
  : Cannot be used because it is not yet released, not available in your region, or does not support your model.

  : Can be used with genuine Canon ink.

5. Use ▲ / ▼ buttons to move the app



6. Select **Done**



Sorting is complete.

To continue the sorting, repeat the procedure from step 4.

To end the sorting, select **Back** and return to the cloud's Main screen.

Using PIXMA Cloud Link

This section introduces the photo printing procedure by using CANON iMAGE GATEWAY as an example.

Important

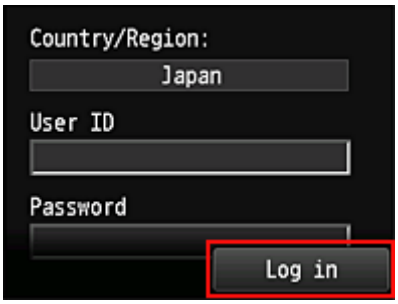
- The available functions differ depending on the app.
- The printing procedure differs depending on the app.
- You need to get the account and register photo and other data beforehand.
- The following file formats can be printed: jpg, jpeg, pdf, docx, doc, xlsx, xls, pptx, ppt, and rtf.
  The file formats that can be printed differ depending on the app.
- Before you print, check that printer is on and is connected to the network. Then start.

Note

- You can use CANON iMAGE GATEWAY to print jpg and jpeg file formats.

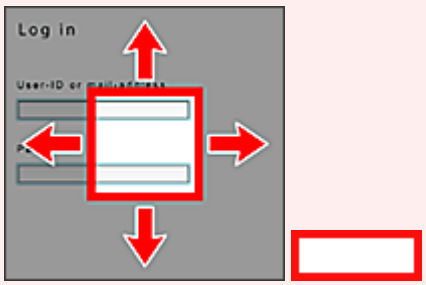
1. On the Main screen, select the app to be used

2. Enter the information according to the instructions on the authentication screen, and then select **Log in**



Important

- Some apps may not be fully displayed in the display area. If this is the case, scroll up, down, right, and left to change the display area.

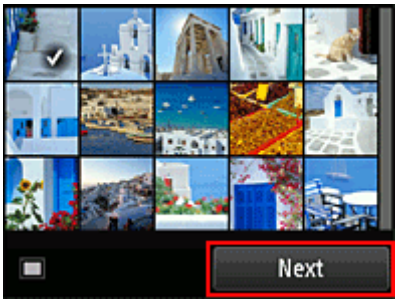


: Visible area

- The Login screen may vary between apps.
- After logging in, you may be asked from an external service to agree to use their app. Agree if you are using the app.

3. In the displayed album list, select the album of your choice

4. In the displayed image list, select the image that you want to print, and then select **Next**

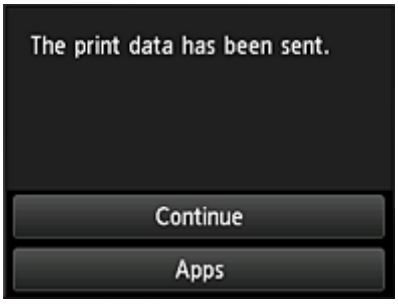


5. Make the necessary print settings, and then select **Color**

   A message that indicates the completion of issuing print job appears, and printing starts.

   To continue printing, select **Continue**, and perform the operation from Step 3.

   To end the printing, select **Apps**. The screen returns to the apps list screen.



Important

- If a print job is not printed within 24 hours after the print job is issued, the print job will expire and cannot be printed.
- With premium apps that limit the number of print jobs, print jobs that cannot be printed due to expiration and other reasons are also included in the print count.

Note

- To leave a usage history of this service, from the Home window on the operation panel, select **Setup** -> **Web service setup** -> **Web service connection setup** -> **IJ Cloud Printing Center setup** -> **History setting for this service** -> **Save**.

Cloud Troubleshooting

Cloud Windows

This section describes the Main screen of **Cloud** and the services available on the Main screen.

About the Main screen

When using the **Cloud** function, follow the steps described below first and display the Main screen.

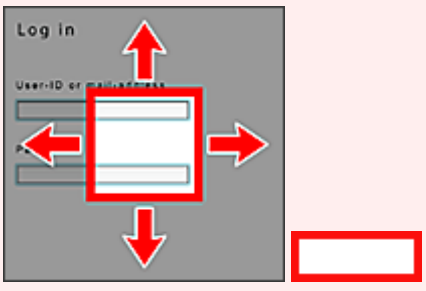
When you select **Cloud** from the printer home screen, the cloud's Main screen appears.

You can use areas shown below to perform various functions, including printing photos and documents, and adding, starting, and managing apps.

(1) Display area
(2) Add/delete button
(3) Manage button

Important

- Some apps may require you to have an account before using the app. If this is the case, get the account beforehand.
- After selecting the app, some apps may not be fully displayed in the display area. If this is the case, scroll up, down, right, and left to change the display area.



: Visible area

- The app is not displayed if it is not yet released, or if the language not available in your region is selected in the display language setting.

(1) Display area

The display changes based on the menu you select.

Immediately after the cloud's Main screen appears, a list of the registered apps appears.
To start an app, select the app that you want to use on the list.

Note

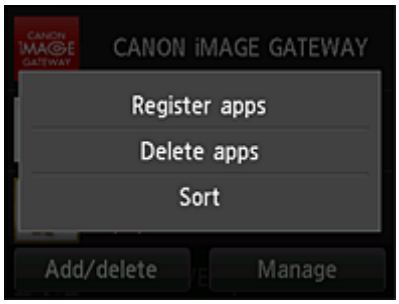
- Description of displayed icons

  : Cannot be used because it is not yet released, not available in your region, or does not support your model.

  : Can be used with genuine Canon ink.

(2) Add/delete button

Use this button to add, delete, and sort apps.



Register apps

Select this to add your favorite apps.

See here for details on how to add apps

Delete apps

Select this to delete registered apps.

See here for details on how to delete apps

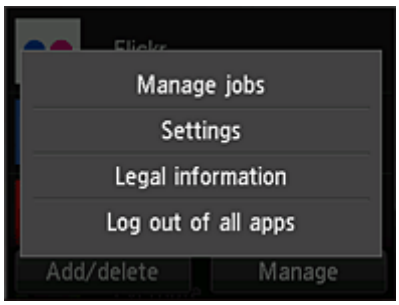
Sort

Select this to sort the apps list.

See here for details on how to sort the apps list

(3) Manage button

Use this button to manage jobs, log out of an app, show the license agreement and privacy statement, and set the time zone.



Manage jobs

From the **Status list** window, you can check the status of a job.

Settings

Select this to set the **Time zone**.
Select your region on the list. For some regions, you can set whether or not to apply the daylight saving time setting.

Important

- If you cannot find your region on the list, select the one closest to your region.

Legal information

This shows the **License agreement** and **Privacy statement**.
Press the **Start** button to print the displayed information.

Log out of all apps

You can log out at the same time from all apps that you are logged into.

Note

- Some apps may not allow you to log out when you are logged on. If you want to log in with a different account, you need to use this function to log out first.
- Once you log out, you need to log in again. You may lose the settings with some apps.

Cloud Troubleshooting

If you cannot print

Check the following if you cannot print.

- Check that the printer is connected to the Internet.
- Check that the printer is connected to a LAN and the LAN environment is connected to the Internet.
- Check that no error message is displayed on the printer's LCD monitor.
  If the problem is not resolved, use the printer driver from your computer to perform the print job and check whether the data can be printed normally on the printer.
  If you still cannot print, see the troubleshooting page for your model on the Home of the *Online Manual*.

Note

- With a wireless LAN connection, after the printer is turned on, it may take several minutes before communication is possible. Check that your printer is connected to the wireless network, and wait a while before you start printing.
- If the printer is not turned on or is not connected to the Internet, and consequently a print job is not processed within 24 hours after it was submitted, the print job is automatically canceled. If this happens, check the printer power and the Internet connection, and then re-submit the print job.

Using PIXMA Cloud Link from Your Smartphone, Tablet, or Computer

- Before Using Canon Inkjet Cloud Printing Center
- Preparations Before Using Canon Inkjet Cloud Printing Center
- Using Canon Inkjet Cloud Printing Center
- Adding a Printer
- Troubleshooting Canon Inkjet Cloud Printing Center

Before Using Canon Inkjet Cloud Printing Center

Canon Inkjet Cloud Printing Center is a service that links with the cloud function of the printer and allows you to perform operations such as registering and managing apps from your smartphone or tablet device, and checking the print status, print error, and ink status of the printer. You can also print app photos and documents from your smartphone or tablet.

First, check the following content:

- **Precautions**

  If you plan to use the web service to print documents, be sure to check these precautions beforehand.

- **Printer specification**

  Check that Canon Inkjet Cloud Printing Center supports the printer.

- **Network environment**

  The printer must be connected to a LAN and to the Internet.

  Important

  - The user will bear the cost of Internet access.

- **Operating requirements**

  For computers, smartphones, and tablet devices, see "Requirements for Canon Inkjet Cloud Printing Center operation".

Important

- This service may not be available in certain countries or regions. Also even if the service is available, there are apps that cannot be used in certain regions.

Preparations Before Using Canon Inkjet Cloud Printing Center

Requirements for Canon Inkjet Cloud Printing Center operation

Computer

CPU	x86 or x64 1.6 GHz or higher
RAM	2 GB or higher
Monitor display	Resolution 1024 x 768 pixels or higher Number of display colors 24 bits (true-color) or higher

OS	Browser
Windows XP SP3 or later	Internet Explorer 8* Mozilla Firefox Google Chrome
Windows Vista SP1 or later	Internet Explorer 8*, 9 Mozilla Firefox Google Chrome
Windows 7	Internet Explorer 8*, 9, 10 Mozilla Firefox Google Chrome
Windows 8	Internet Explorer 10 Mozilla Firefox Google Chrome
Windows 8.1	Internet Explorer 11 Mozilla Firefox Google Chrome
Mac OS X v10.6-OS X Mavericks v10.9	Safari 5.1, 6, 7

* When you use Internet Explorer 8, the web pages may not display correctly. Canon recommends that you upgrade to Internet Explorer 9 or later, or use another browser.

Smartphone or tablet

OS	Browser	Resolution
iOS 5.1 or later	OS standard browser	320 x 480 (HVGA) or higher
Android 2.3.3 or later		480 x 800 (HVGA) or higher

*Android3.x is not supported.

Important

- On the browser you are using, enable JavaScript and cookies.
- If you use the zoom function or change the font size on your browser, the web pages may not display correctly.
- If you use the translation function of Google Chrome, the web pages may not display correctly.
- If you use a proxy server outside of your country, the service may not be able to determine the correct region.

- In an in-house network environment, the 5222 port must be released. For confirmation instructions, contact the network administrator.

Preparations Before Using Canon Inkjet Cloud Printing Center

To use the Canon Inkjet Cloud Printing Center, you need to follow the steps described below and register the user information.

Print registration information from the printer

1. From the home window, select **Setup** -> **Web service setup** -> **Web service connection setup** -> **IJ Cloud Printing Center setup** -> **Register with this service**

2. In the registration confirmation window, Select **Yes**

3. In the print settings, select the display language

4. Follow the instructions displayed in the window, and print the URL of the authentication site and the **Printer registration ID**

   Set A4 size or Letter size plain paper and select **OK**.
   The authentication URL and **Printer registration ID** are printed.

Note

- You will use this printed page in the next step.

Canon Inkjet Cloud Printing Center

User registration

To use Canon Inkjet Cloud Printing Center, you need to register the printer owner information.
Access the URL below from a browser on a computer, smartphone, etc., then enter the printer registration ID to register.

[Note]
All operations up to the completion of registration must be performed within approximately 60 minutes from now. Beyond that time, the printer registration ID below will be disabled.

URL:

Printer registration ID:

94K549

Copyright CANON INC.

Important

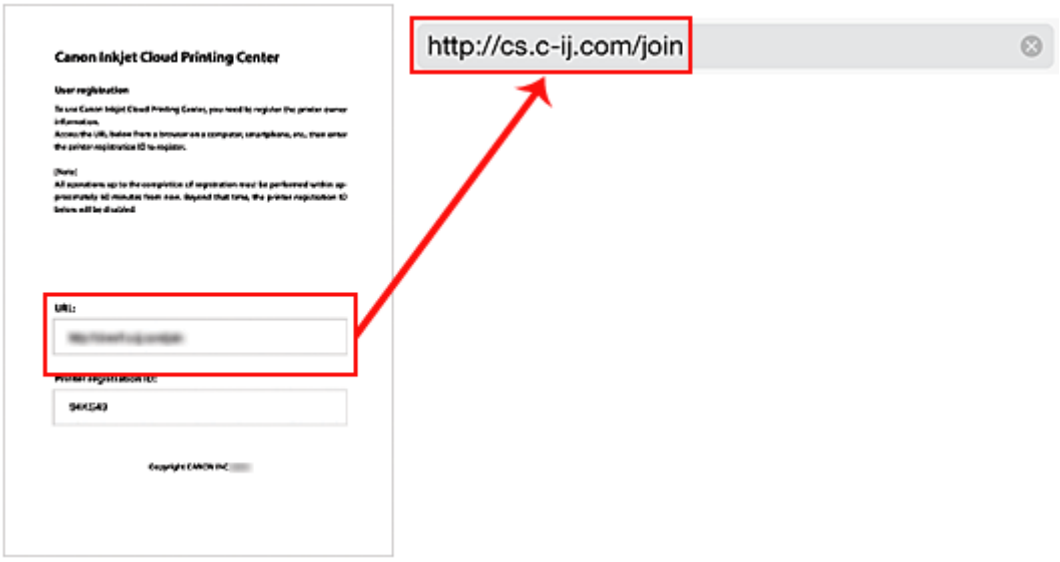
- The operation to complete the registration should be done within 60 minutes.

Access the URL on the printed page, and then enter the e-mail address and other necessary information

Important

- Do not use the Back button of the web browser while an operation is processing. The screen may not transition properly.

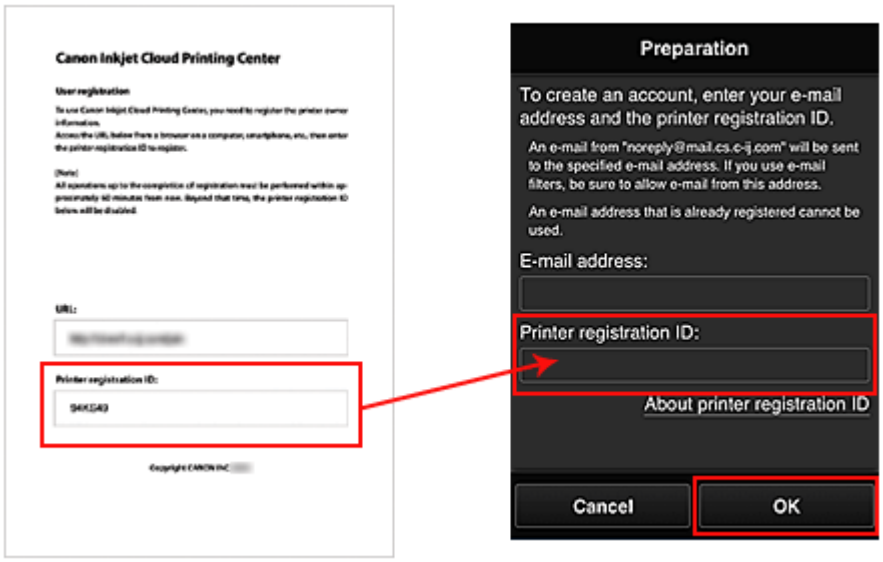
1. Use the web browser on your PC, smartphone, tablet, or other devices to access the authentication URL



2. On the Login screen, select **Create new account**

3. Enter the **E-mail address** and **Printer registration ID** of the printer's owner, and then select **OK**

   The registration page URL is sent to the e-mail address entered.



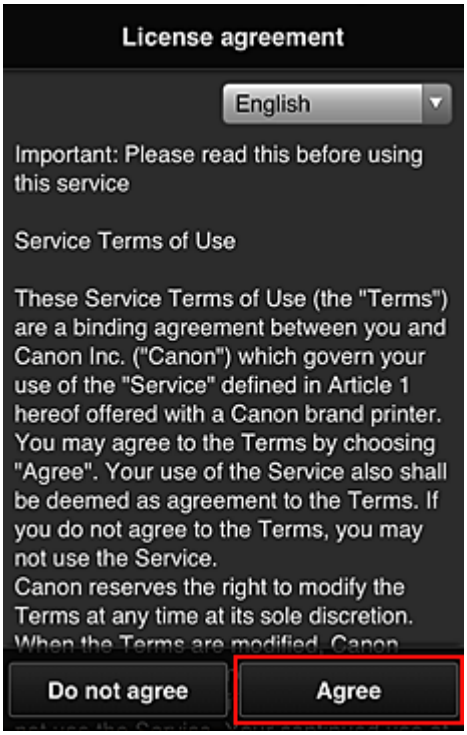
Important

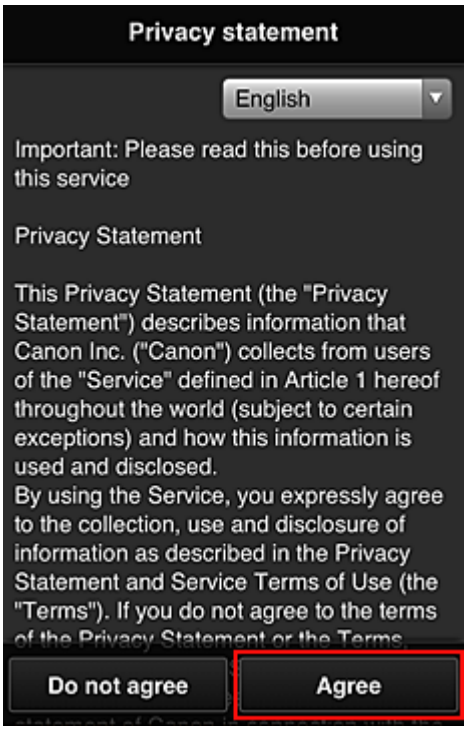
- There are character restrictions for the e-mail address, as shown below.
  - You can use up to 255 alphanumeric characters consisting of single-byte characters and symbols (!#$%&'*+/=?^_{}|~.-@).
  - Multibyte characters cannot be used.
    You will get an error if the e-mail address you enter contains a character that cannot be used.
- If you registered a different e-mail address by mistake, you can cancel the registration by going to the printer's Home screen and selecting **Setup** (or by pressing the **Setup** button on the operation panel) -> **Web service setup** -> **Connection setup** -> **IJ Cloud Printing Center setup** (**IJCloudPrintingCtr**) -> **Delete from this service**.
- You may not be able to receive the notification if you are using a spam filter. If you have a setting to receive only the e-mails from certain domains, be sure to change the setting to allow receiving e-mails from "noreply@mail.cs.c-ij.com".
  There will be no error display even if you could not receive the e-mail because of the spam filter setting or if you entered an incorrect e-mail address.

Access the URL in the e-mail, register the information, and complete the user registration

1. When an e-mail with the subject "Information on Canon Inkjet Cloud Printing Center" is sent to the e-mail address that you entered, select the URL

2. In the **License agreement** and **Privacy statement** windows of Canon Inkjet Cloud Printing Center, read the statements, and select **Agree** if you agree





3. In the user information entry screen, enter your **Password**, and select **Next**

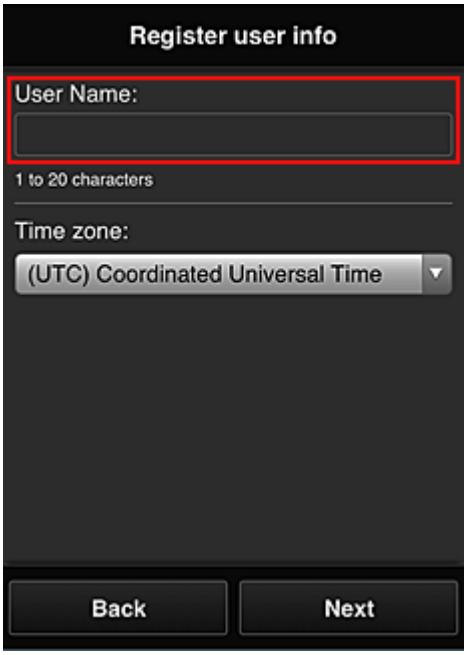
   Enter your password for logging in to the Canon Inkjet Cloud Printing Center.

Important

- There are character restrictions for the **Password**, as shown below.
  - The password needs to be between 8 and 32 characters long, using single-byte alphanumeric characters and symbols (!"#$%&'()*+,-./:;<=>?@[\]^_`{|}~). (Alphabets are case-sensitive)

4. Enter the **User name**

Enter the name that identifies the user.



Important

- The **User name** entry field has the following character restrictions:

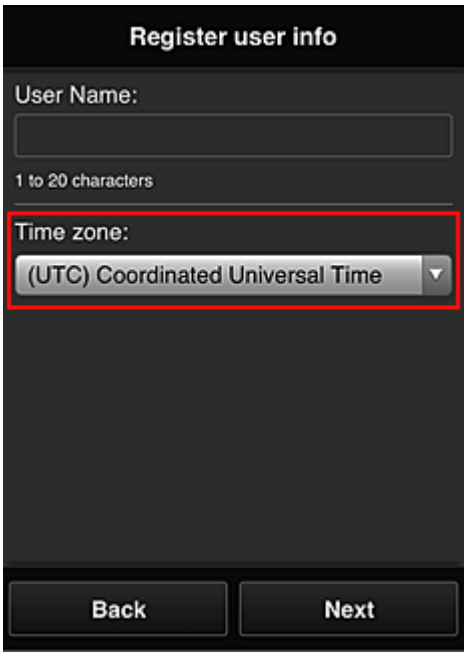
- The password needs to be between 1 and 20 characters long, using single-byte alphanumeric characters and symbols (!"#$%&'()*+,-./:;<=>?@[\]^_`{|}~). (Alphabets are case-sensitive)

5. Specify the **Time zone** setting, and select **Next**

Select your region on the list. If you cannot find your region on the list, select the one closest to your region.

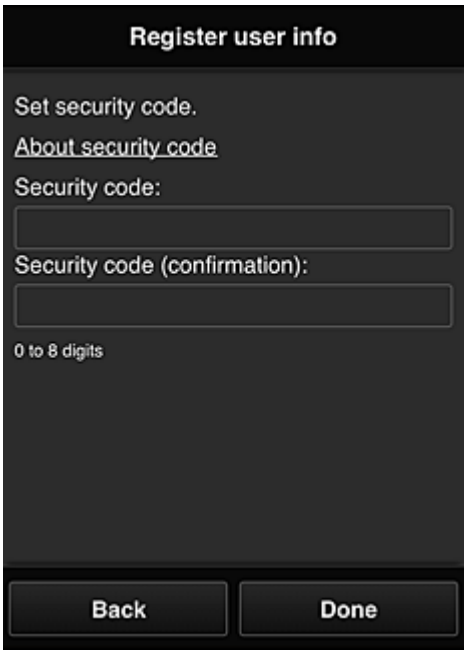
Apply daylight saving time

This appears only when there is a daylight saving time in the **Time zone** that you selected. Select whether or not to apply the daylight saving time.



6. Enter the **Security code** and select **Done**

Enter the code for authenticating the user.



Important

- The **Security code** entry field has the following character restrictions:
  - Single-byte numbers

The registration is complete. A registration completion message is displayed.
When you select the **OK** button in the message, the login screen is displayed.

Enter the registered e-mail address and password, and log in to the Canon Inkjet Cloud Printing Center.

Using Canon Inkjet Cloud Printing Center

Printing Your Printer registration ID

To add a printer by using Canon Inkjet Cloud Printing Center, you will need a **Printer registration ID**.

From the operation panel of this printer, print the URL of the authentication site and your **Printer registration ID**. The procedure is as follows:

1. Check that the printer is connected to the Internet

   Important

   - To use this function, you must connect this printer to the Internet.

2. From the home window, select **Setup** -> **Web service setup** -> **Web service connection setup** -> **IJ Cloud Printing Center setup** -> **Register with this service**

3. In the registration confirmation window, Select **Yes**

4. In the print settings, select the display language

5. Follow the instructions displayed in the window, and print the URL of the authentication site and your **Printer registration ID**

   When you set A4 size or Letter size plain paper and select **OK**, the authentication site URL and your **Printer registration ID** are printed.

Important

- The operation to complete the registration should be done within 60 minutes.

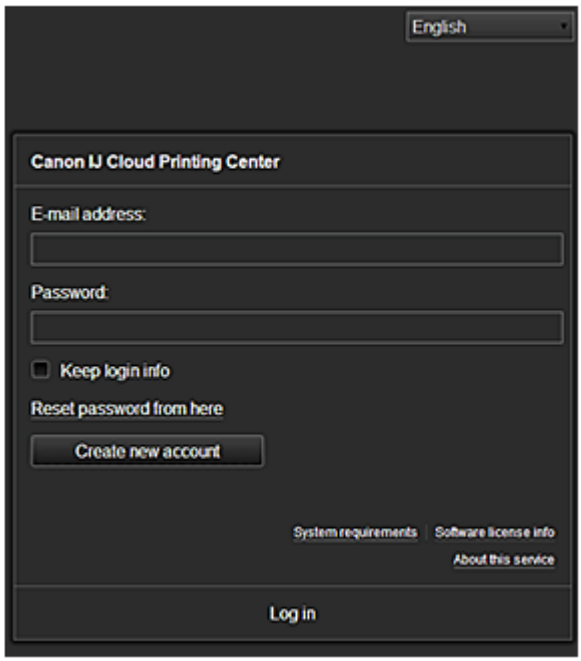
Canon Inkjet Cloud Printing Center window

This section describes the Canon Inkjet Cloud Printing Center screens that are displayed on your smartphone, tablet device, or computer.

- Description of the Login screen
- Description of the Main screen

Description of the Login screen

This section provides the description of the Login screen of Canon Inkjet Cloud Printing Center.



Important

- You have 5 tries to enter your password. If you fail, you will not be able to log in for about the next hour.
- You remain logged in for an hour after the last access.

Language

Select the language you will be using.

E-mail address

Enter the e-mail address that you entered in the user registration.

Important

- The e-mail address is case-sensitive. Make sure the case is correct.

Password

Enter the password that you entered in the user registration.

Keep login info

When you select the check box, the login screen is skipped for 14 days since the last day that the service screen was accessed.

Reset password from here

Select this if you forgot the password.

Reset your password by following the instructions on the screen.

Create new account

A new registration will be added to the Canon Inkjet Cloud Printing Center.
For a new registration, you need the **Printer registration ID**.

System requirements

This displays the system requirements for the Canon Inkjet Cloud Printing Center.

Help/legal notices (smartphone and tablet devices only)

The description of the Canon Inkjet Cloud Printing Center screen and various reminders are displayed.

Software license info

The licensing information of Canon Inkjet Cloud Printing Center is displayed.

About this service

This displays the descriptions of this service.

Description of the Main screen

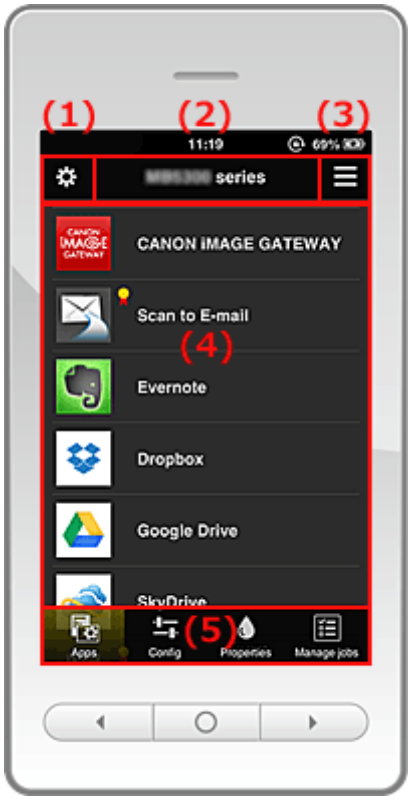
When you log in to the Canon Inkjet Cloud Printing Center, the Main screen appears.

With this service, the functions available to **Standard user** of the printer are different from those available to the printer **Administrator**.
Standard user can only use the functions marked by an asterisk (*).

You can use areas shown below to start*, add, and manage apps.
If you are using a smartphone or a tablet, you can also print photos and documents.

- If you are using a smartphone or tablet
- If you are using a PC

If you are using a smartphone or tablet



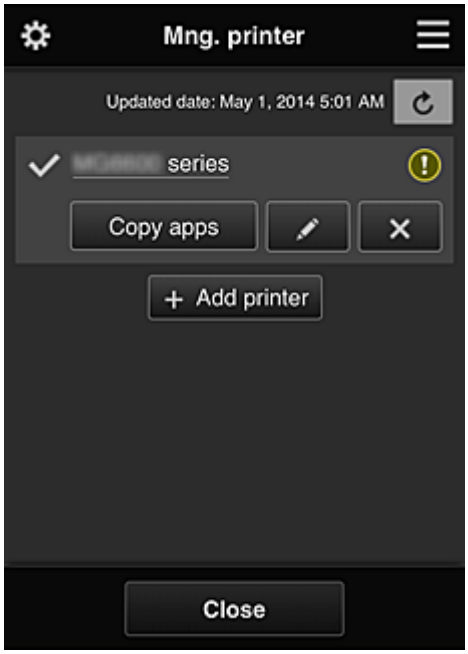
(1) Left context menu

(2) Printer name area
(3) Right context menu
(4) Display area
(5) Menu area

(1) Left context menu

When you select , the **Mng. printer** screen of the **Manage users** screen appears.
For general users, the **Select printer** screen appears.

Mng. printer screen (Select printer screen)



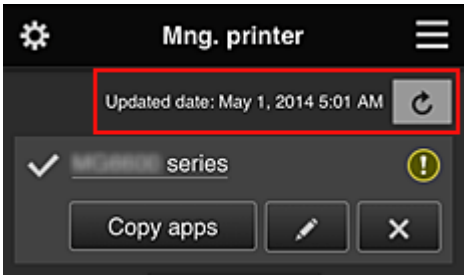
From the **Mng. printer** screen (**Select printer** screen), you can check*and update* printer information registered to the Canon Inkjet Cloud Printing Center, change printer names, delete printers, add printers, and copy apps.

- **Check the printer information***

The registered printer name is displayed.

indicates the currently selected printer.
indicates that an error occurred on the printer.

- **Display update date/time of the printer information***

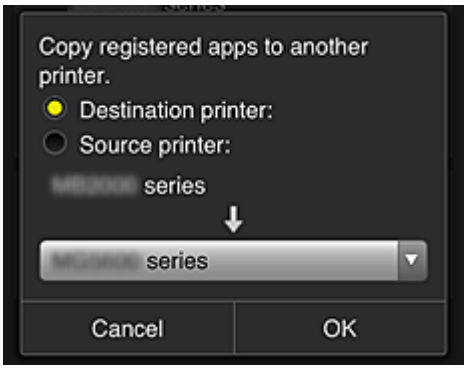


This displays the date and time the printer information was last updated.
refreshes the information.

- **Copy apps**

  Select this to copy apps added in the selected printer to another printer.

  When you select , the screen shown below appears.



  Set the **Destination printer** and the **Source printer**. Then select **OK**.

- **Change the printer name**

  When you select , a screen to change the printer name appears.
  Follow the instructions on the screen to change the name.

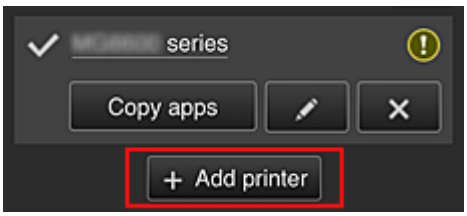
Note

- The printer name entry has the following character limitation:
  - Up to 128 characters

- **Delete printers**

  When you select , the printer is deleted from the Canon Inkjet Cloud Printing Center.
  When transferring the ownership of the printer, select **Clear the information saved on the printer**.

- **Add printers**

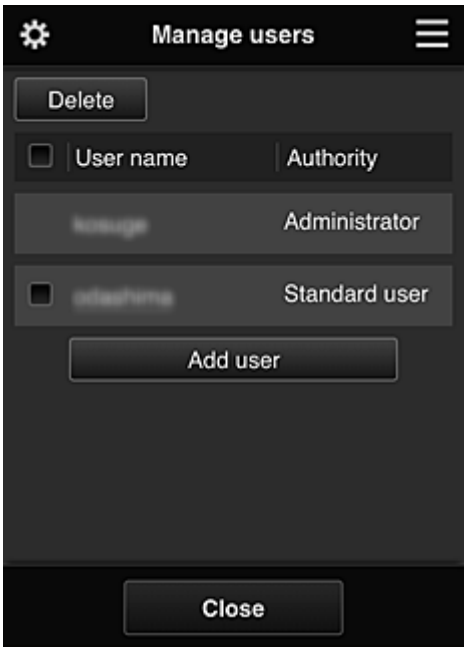


  Select this to add printers to be used in the Canon Inkjet Cloud Printing Center.
  You need a Printer registration ID to add a printer.

Note

- Up to 16 printers are guaranteed to operate for each e-mail address.

Manage users screen



From the **Manage users** screen, you can check user information registered to the Canon Inkjet Cloud Printing Center, delete users, add users, and change the **Administrator** and **Standard user** settings.

- **User deletion**

  Select the check box of the user to be deleted, and select **Delete**.
  However, you cannot delete yourself. To delete yourself, cancel your membership from the user information screen.

- **Adding a user**

  Select **Add user**. The user registration screen appears.

- **Changing Administrator and Standard user settings**

  You can change the privileges of the **Administrator** and **Standard user**s.

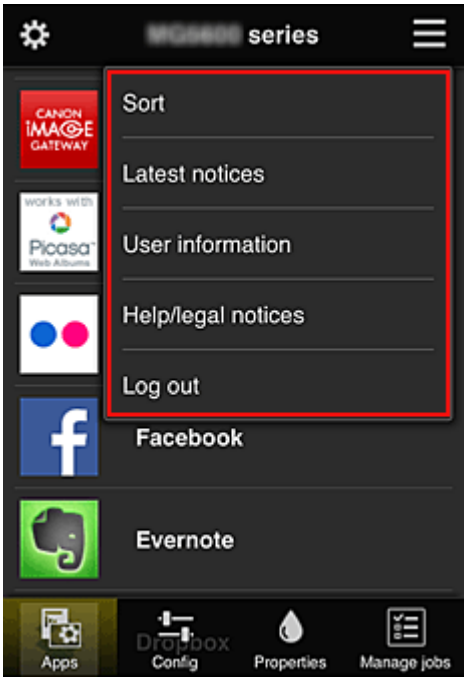
(2) Printer name area

The registered name of the printer selected is displayed.

The **Administrator** can change the printer name.

(3) Right context menu

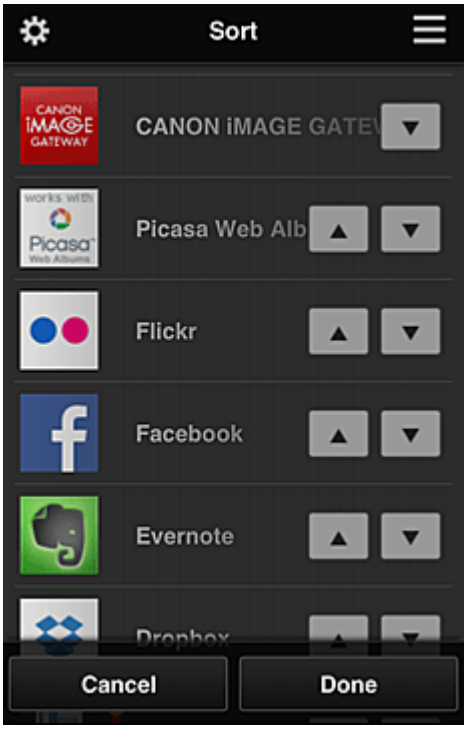
When you select , the context menu appears.
The information displayed depends on the menu currently selected in the menu area.
The symbol indicates that there is a new unread notice.



- Sort **Sort**

  This displays the screen to sort registered apps.

  You can use the ▲ ▼ buttons to change the display order of apps. When you finish sorting, press the **Done** button to confirm the order.



- Latest notices **Latest notices***

  This displays the latest notices. The ⓘ symbol indicates that there is a new unread notice.

- User information **User information***

  This displays the User information screen.

  You can change the registered e-mail address, password, language, time zone, and other settings.

- Help/legal notices **Help/legal notices***

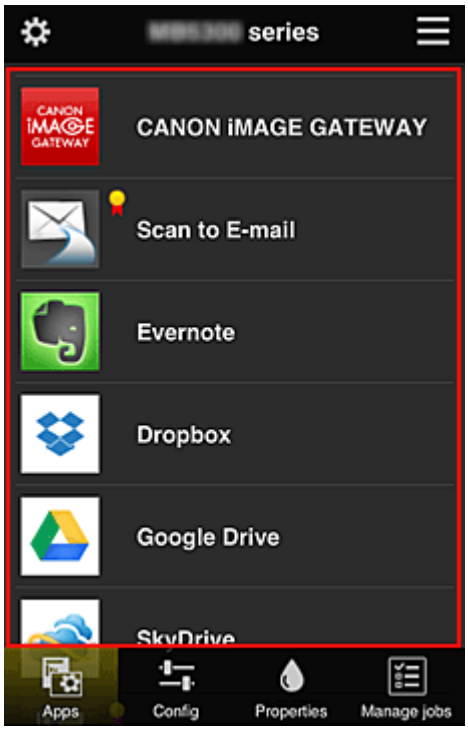
  The description of the Canon Inkjet Cloud Printing Center screen and various reminders are displayed.

- Log out **Log out***

  This opens the Log out screen of the Canon Inkjet Cloud Printing Center.

(4) Display area

The display changes based on the menu you select.



(5) Menu area

The following 4 menu buttons are displayed:

-

Apps*

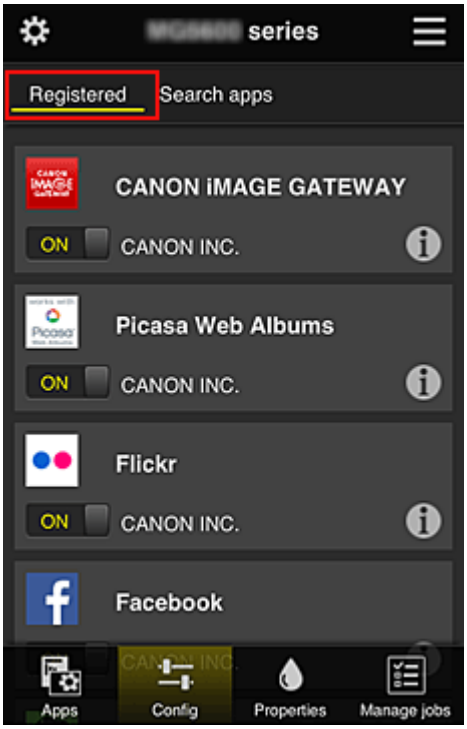
  This displays the list of registered apps in the Display area.

-

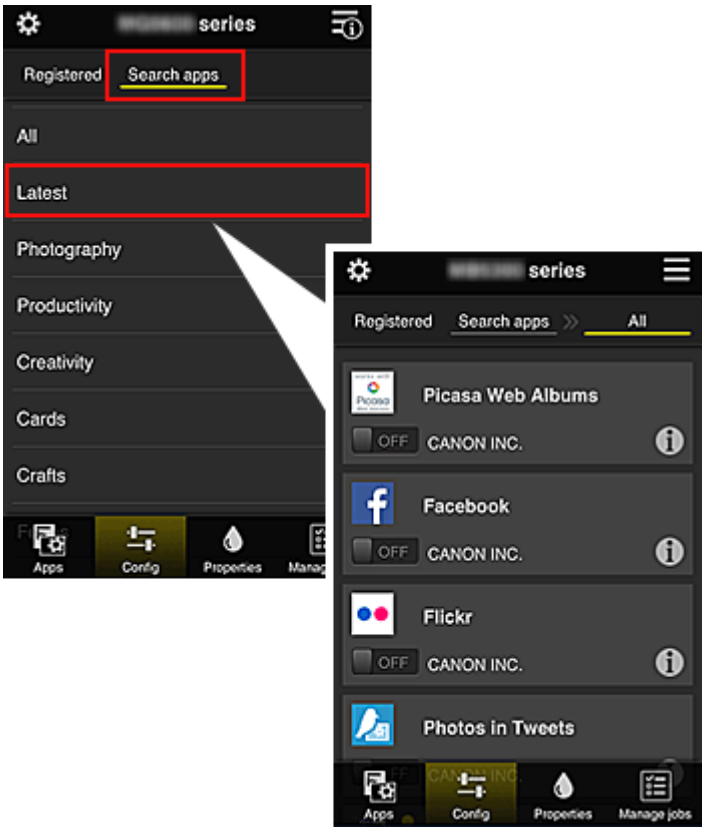
Config

  This displays the Register apps screen in the Display area.
  The display can be toggled between **Registered** and **Search apps**.

  The **Registered** screen lists registered apps.
  You can check the information of these apps or deregister them.



On the **Search apps** screen, the apps that you can register by using the Canon Inkjet Cloud Printing Center are displayed by category.



- When you select , the details of the app are displayed.
  When you select ON / OFF, you can choose to register or unregister the app.

Note

- Description of displayed icons
  : Cannot be used because it is not yet released, not available in your region, or does

not support your model.

: Can be used with genuine Canon ink.

- **Properties***

This screen displays the status of the printer that is currently selected.
You can check how much ink is remaining or details about an error that occurred. You can also access the ink purchasing site and the *Online Manual*.

Important

- The Properties displayed may differ from the actual status at the display time, depending on the printer status.

- **Manage jobs***

This screen displays the print status and the print history.
You can check the print status by looking at **Status list**, and the print history by looking at **History**.
You can also cancel print jobs and delete history information.
To cancel or delete a job, select that job and then select **Cancel** or **Delete**.

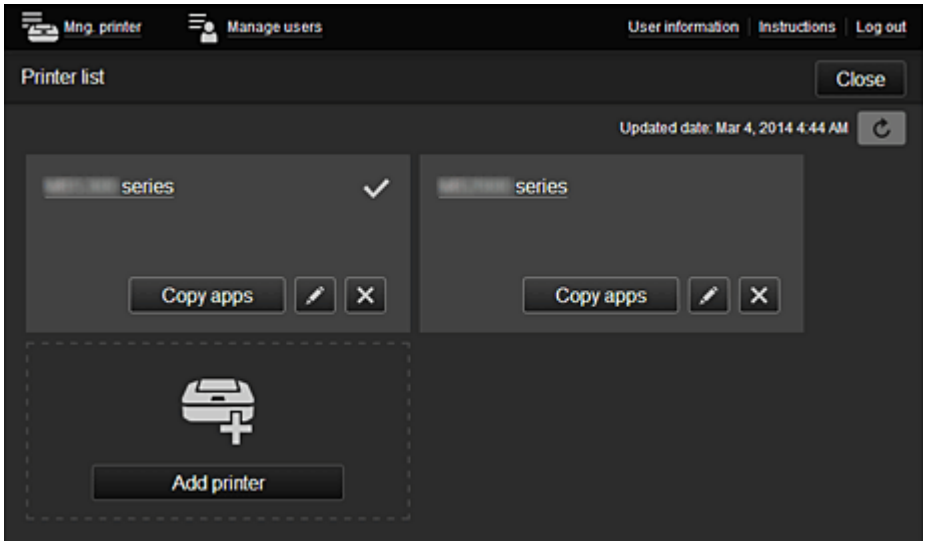
If you are using a PC

(1) **Mng. printer** (**Select printer**) button
(2) **Manage users** button
(3) Printer name area
(4) Menu area

(5) Notices area
(6) Information area
(7) Global navigation area
(8) Display area

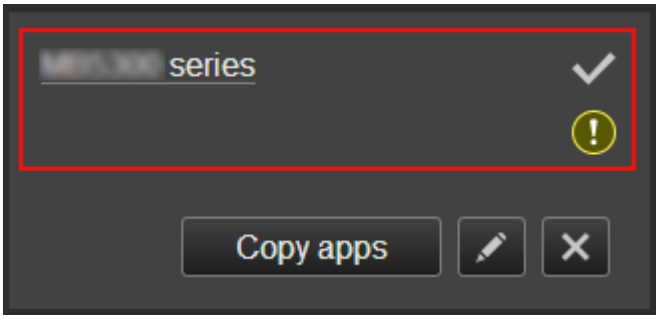
(1) Mng. printer (Select printer) button

When you select the **Mng. printer** (**Select printer**) button, the **Mng. printer** (**Select printer**) screen appears.



From the **Mng. printer** screen (**Select printer** screen), you can check*and update* printer information registered to the Canon Inkjet Cloud Printing Center, change printer names, delete printers, add printers, and copy apps.

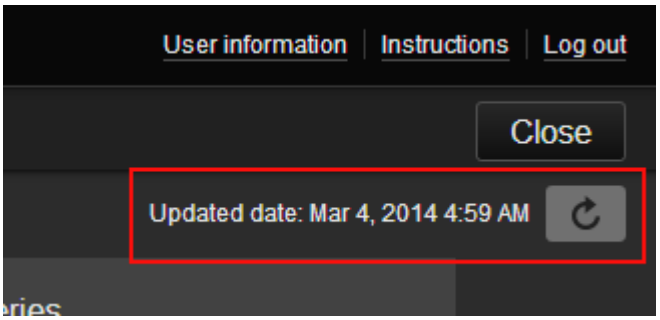
- **Check the printer information***



The registered printer name is displayed.

indicates the currently selected printer.
indicates that an error occurred on the printer.

- **Display update date/time of the printer information***



This displays the date and time the printer information was last updated.
refreshes the information.

- **Change the printer name**

When you select , a screen to change the printer name appears.
Follow the instructions on the screen to change the name.

Note

- The printer name entry has the following character limitation:
  - Up to 128 characters

- **Delete printers**

When you select , the printer is deleted from the Canon Inkjet Cloud Printing Center.
When transferring the ownership of the printer, select **Clear the information saved on the printer**.

- **Add printers**

Select this to add printers to be used in the Canon Inkjet Cloud Printing Center.
You need a **Printer registration ID** to add a printer.

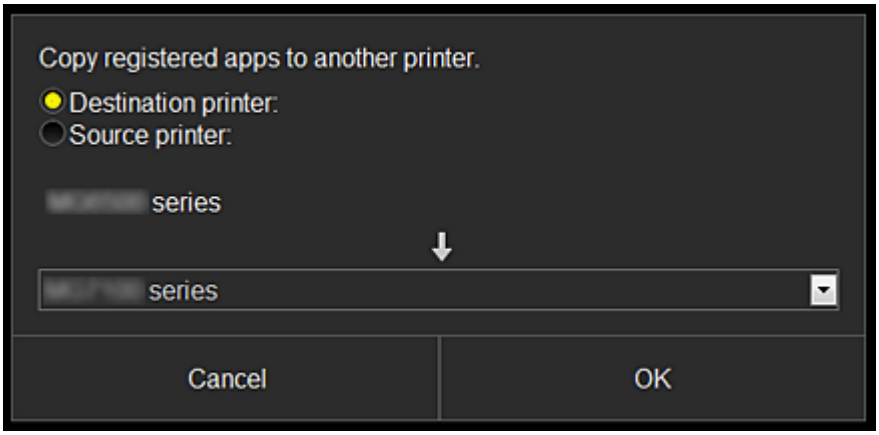
Note

- Up to 16 printers are guaranteed to operate for each e-mail address.

- **Copy apps**

Select this to copy apps added in the selected printer to another printer.

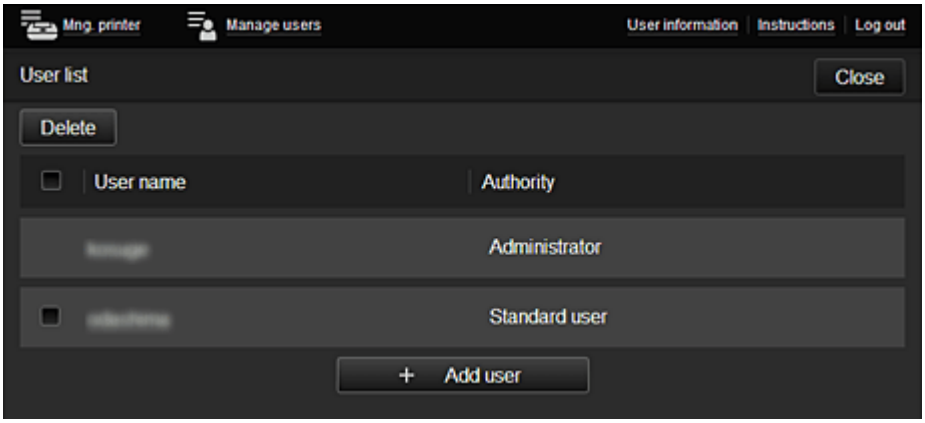
When you select , the screen shown below appears.



Set the **Destination printer** and the **Source printer**. Then select **OK**.

(2) Manage users button

When you select the **Manage users** button, the Manage users screen appears.



From the **Manage users** screen, you can check user information registered to the Canon Inkjet Cloud Printing Center, delete users, add users, and change the **Administrator** and **Standard user** settings.

- **User deletion**

  Select the check box of the user to be deleted, and select **Delete**.
  However, you cannot delete yourself. To delete yourself, cancel your membership from the user information screen.

- **Adding a user**

  Select **Add user**. The user registration screen appears.

- **Changing Administrator and Standard user settings**

  You can change the privileges of the **Administrator** and **Standard user**s.

(3) Printer name area

The registered name of the printer selected is displayed.

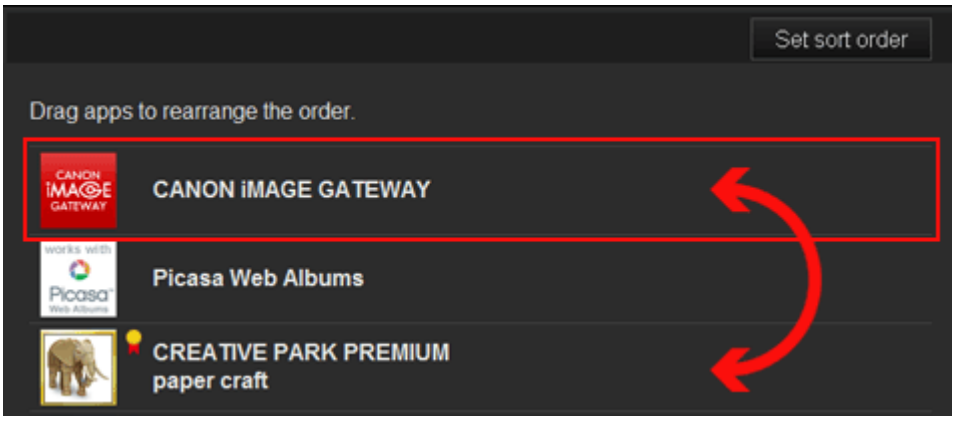
The **Administrator** can use the **Mng. printer** functions to change the printer name.

(4) Menu area

The following 4 menu buttons are displayed:

- **Sort (Apps)**

  This displays the list of registered apps in the Display area.
  Drag the app to change the order.

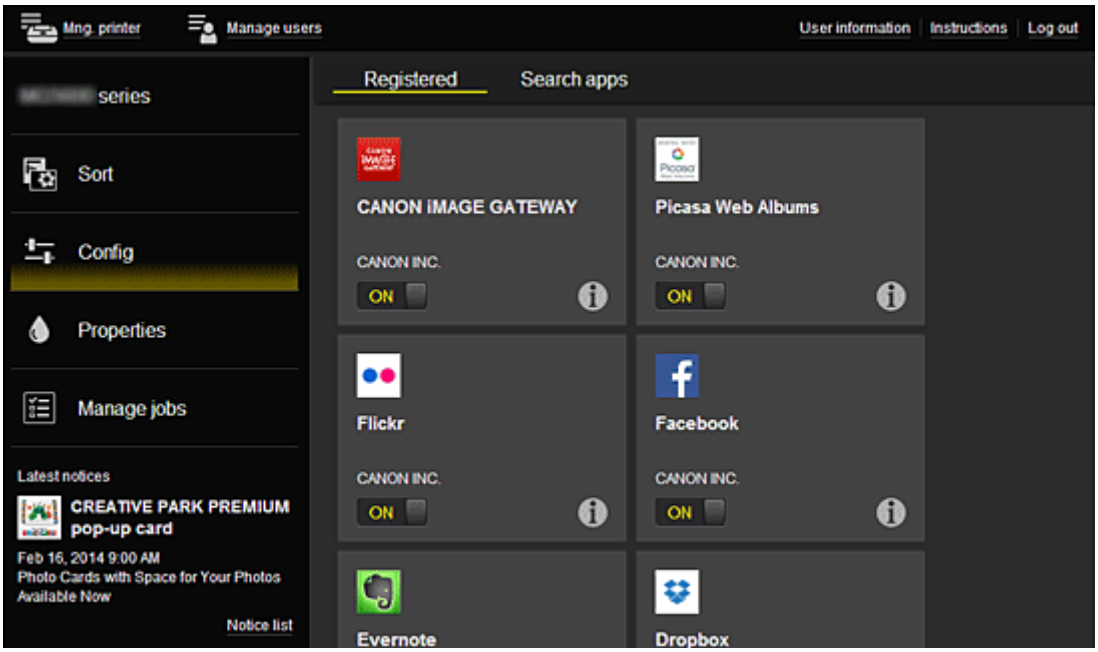


  When you finish sorting, press the **Set sort order** button and confirm the order.

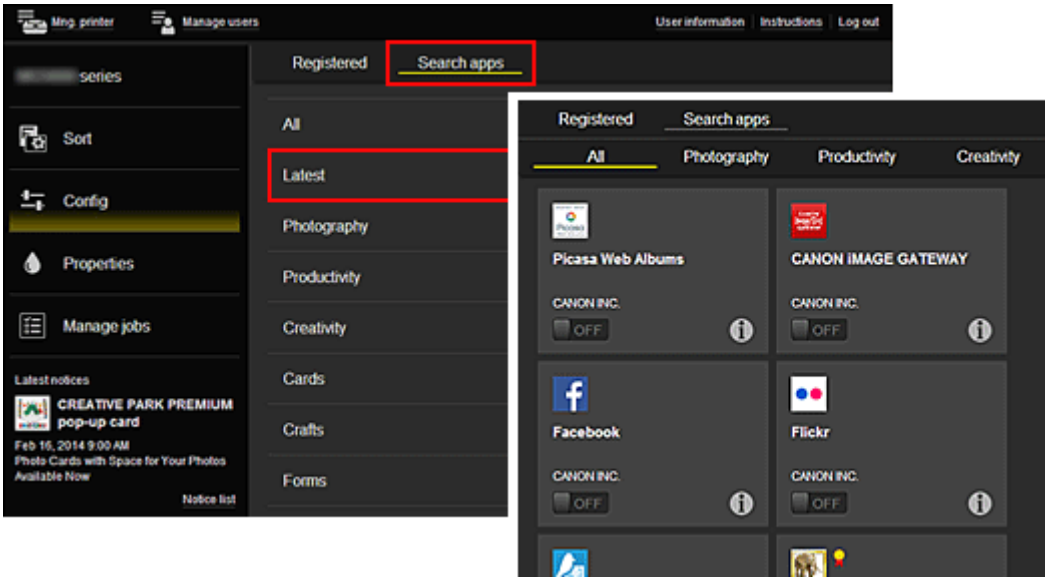
- **Config**

  This displays the Register apps screen in the Display area.
  The display can be toggled between **Registered** and **Search apps**.

  The **Registered** screen lists registered apps.
  You can check the information of these apps or deregister them.



  On the **Search apps** screen, the apps that you can register by using the Canon Inkjet Cloud Printing Center are displayed by category.



◦ When you select , the details of the app are displayed.

When you select ON / OFF, you can choose to register or unregister the app.

Note

- Description of displayed icons

  : Cannot be used because it is not yet released, not available in your region, or does not support your model.

  : Can be used with genuine Canon ink.

- **Properties***

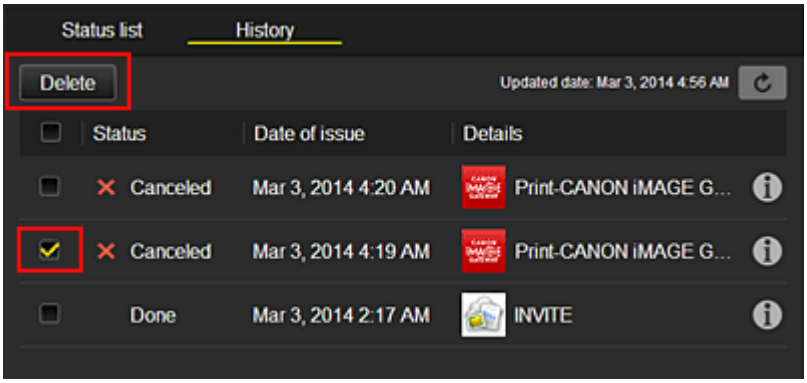
This screen displays the status of the printer that is currently selected.
You can check how much ink is remaining or details about an error that occurred. You can also access the ink purchasing site and the *Online Manual*.

Important

- The Properties displayed may differ from the actual status at the display time, depending on the printer status.

- **Manage jobs***

This screen displays the print status and the print history.
You can check the print status by looking at **Status list**, and the print history by looking at **History**.
You can also cancel print jobs and delete history information.
To cancel or delete a job, select that job and then select **Cancel** or **Delete**.



(5) Notices area

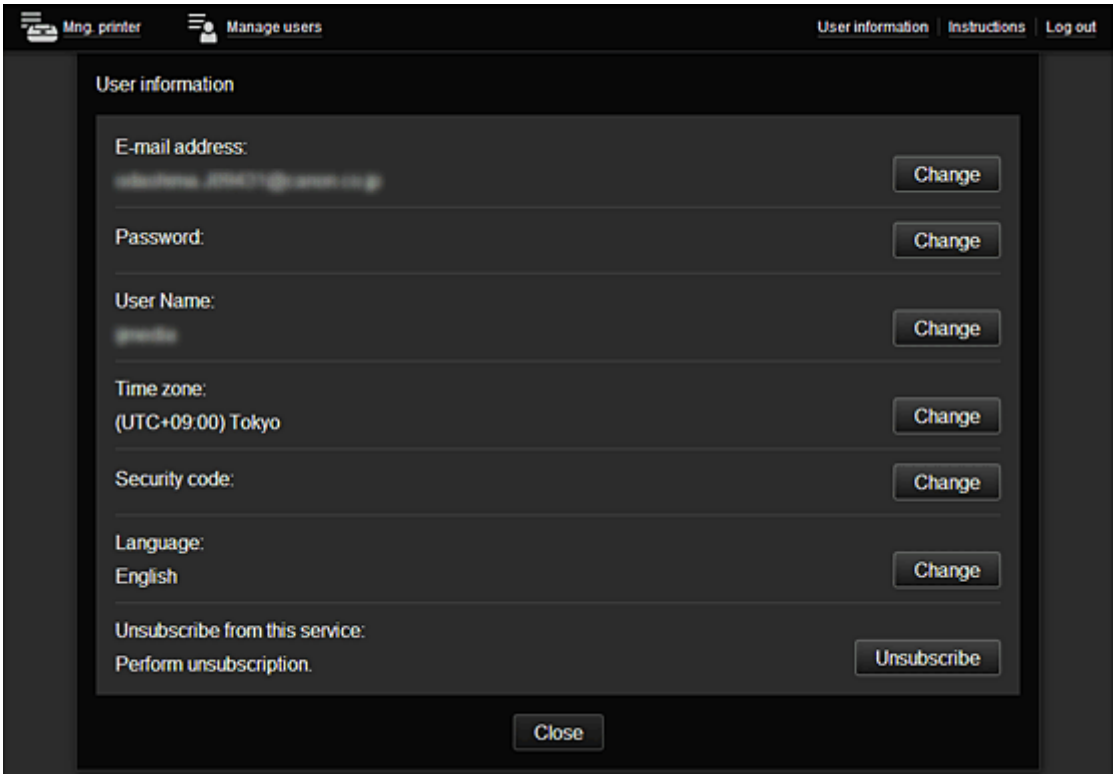
This displays the latest notice. Nothing is displayed in this area if there is no notice.
When you select **Notice list**, you can display up to 40 items.

(6) Information area

This display other information, including the privacy statement and other companies' licensing information.

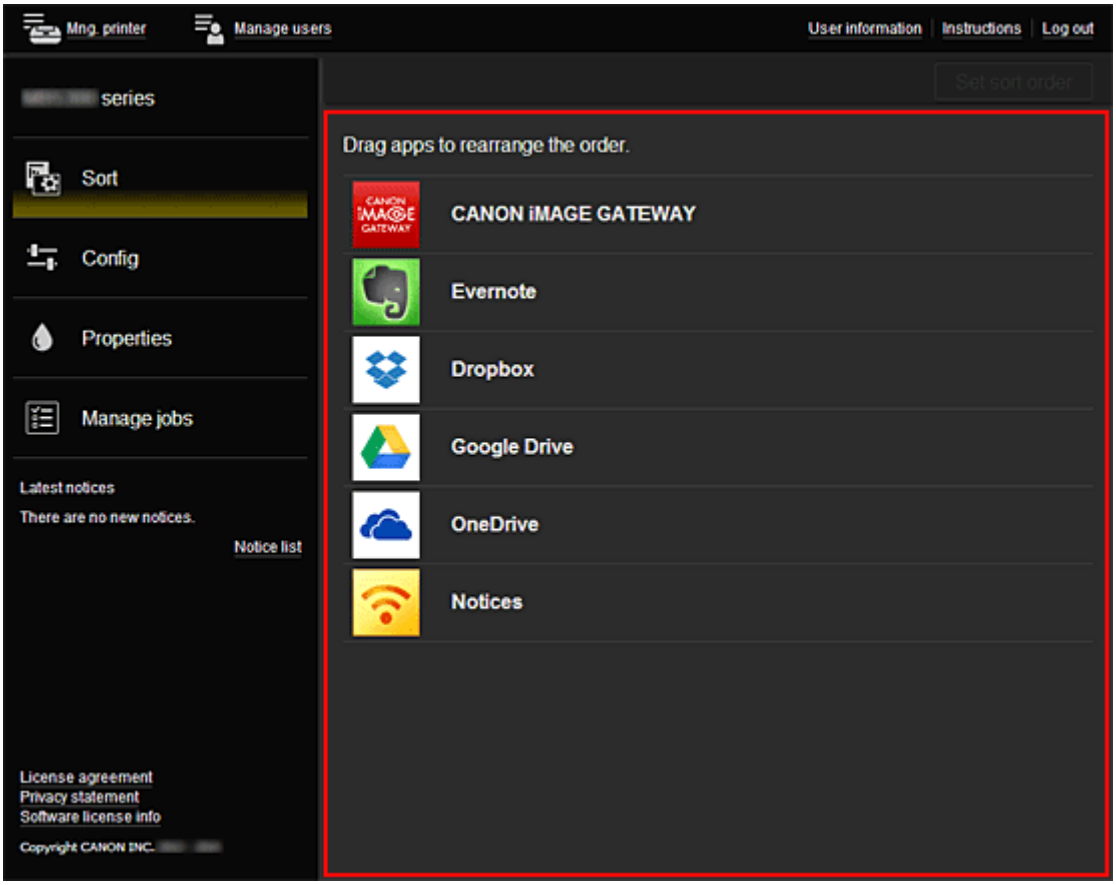
(7) Global navigation area

The **User information***, **Instructions***, and **Log out*** buttons are displayed.
Press the **User information** to change the settings.



(8) Display area

The display changes based on the menu you select.


Mng. printer
Manage users
User information
Instructions
Log out
series
Sort
Config
Properties
Manage jobs
Latest notices
There are no new notices.
Notice list
License agreement
Privacy statement
Software license info
Copyright CANON INC.
Set sort order
Drag apps to rearrange the order.
CANON iMAGE GATEWAY
Evernote
Dropbox
Google Drive
OneDrive
Notices

Using Canon Inkjet Cloud Printing Center

When the user registration is completed, you can log in to the Canon Inkjet Cloud Printing Center and use the service.

1. From your PC, smartphone, or tablet, access the service login URL (http://cs.c-ij.com/)

2. On the Login screen, enter the **E-mail address** and **Password**, and then select **Log in**

Important

- The e-mail address and password are case-sensitive. Make sure the case is correct.

E-mail address

Enter the e-mail address that you entered in the user registration.

Password

Enter the password that you entered in the user registration.

Keep login info

When you select the check box, the login screen is skipped for 14 days since the last day that the service screen was accessed.

Important

- If you fail to log in five straight times, you will not be able to login again for an hour.
- You remain logged in for an hour after the last access.
- The service may not function properly if you log in from multiple devices at the same time.

After logging in, you can use useful services such as adding/managing apps that work in conjunction with this product's cloud functionality and checking the ink status.

For screen descriptions and operation instructions, see "Canon Inkjet Cloud Printing Center window".

Printing procedure

This section introduces the photo printing procedure by using CANON iMAGE GATEWAY as an example.

Important

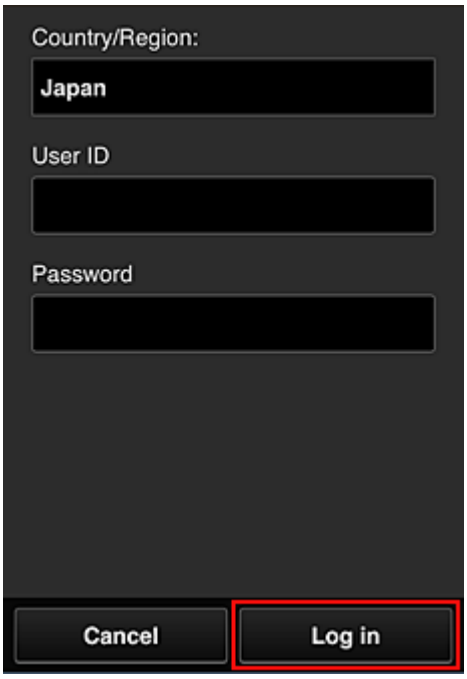
- The available functions differ depending on the app.
- The printing procedure differs depending on the app.
- You need to get the account and register photo and other data beforehand.
- The following file formats can be printed: jpg, jpeg, pdf, docx, doc, xlsx, xls, pptx, ppt, and rtf.
  The file formats that can be printed differ depending on the app.
- Before you print, check that printer is on and is connected to the network. Then start.
- This is available if you are using a smartphone or tablet.

Note

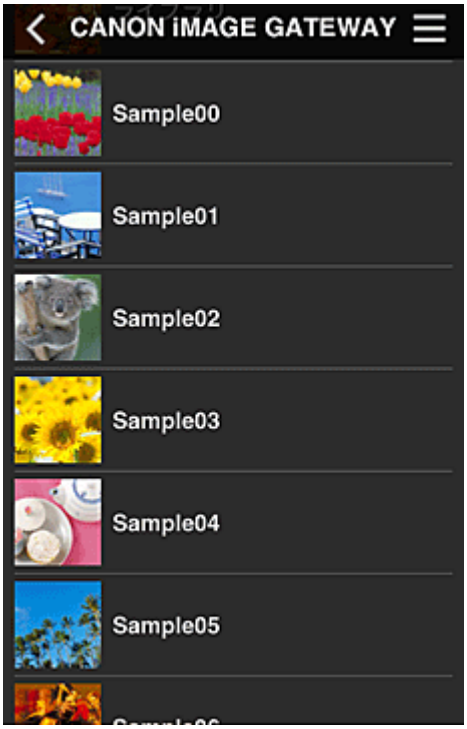
- You can use CANON iMAGE GATEWAY to print jpg and jpeg file formats.

1. On the Main screen, select the app to be used

2. Enter the information according to the instructions on the authentication screen, and then select **Log in**

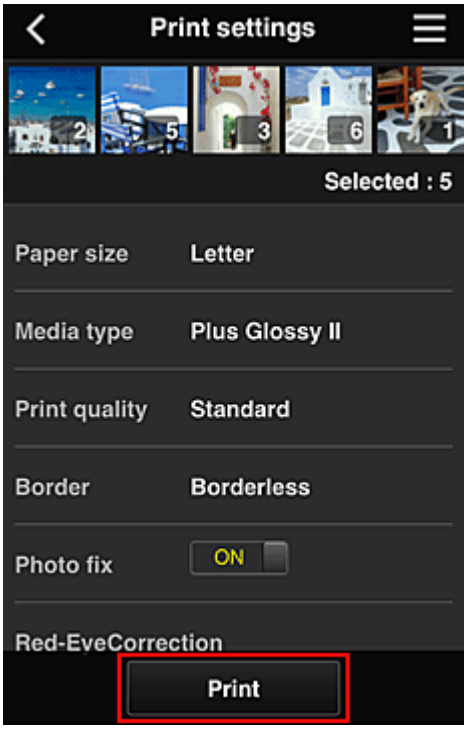


3. In the displayed album list, select the album of your choice

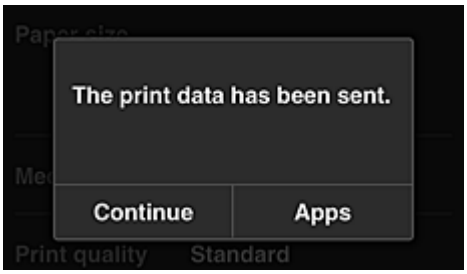


4. In the displayed image list, select the image that you want to print, and then select **Next**

5. Make the necessary print settings, and then select **Print**



6. A print job completion message appears, and printing starts



To continue printing, select **Continue**, and perform the operation from Step 3.
To end the printing, select **Apps**. The screen returns to the apps list screen.

Important

- If a print job is not printed within 24 hours after the print job is issued, the print job will expire and cannot be printed.
- With premium apps that limit the number of print jobs, print jobs that expire and cannot be printed are also included in the print count.

Adding a Printer

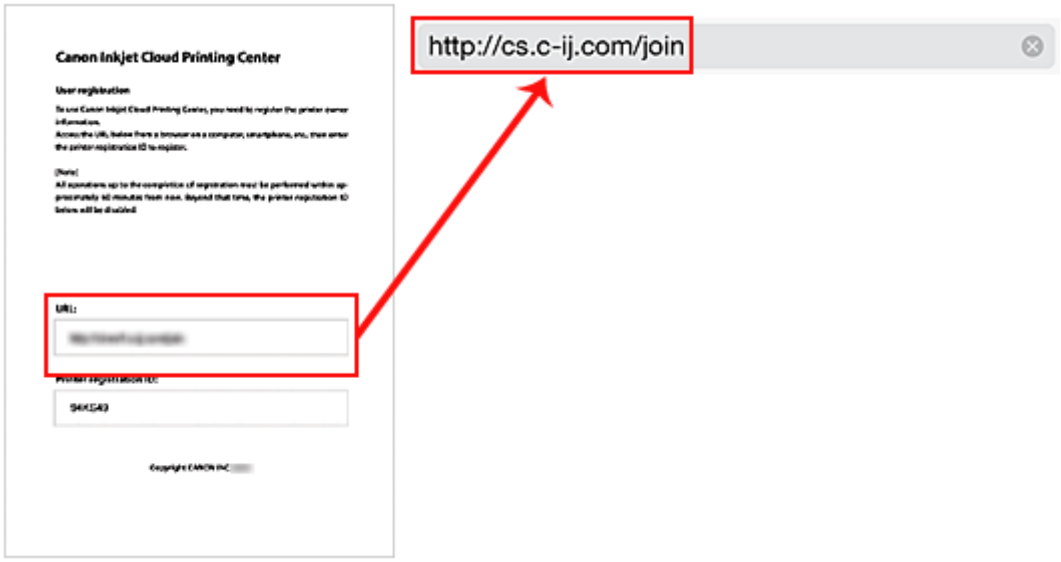
Adding a Printer

With one account, you can use the Canon Inkjet Cloud Printing Center services on multiple printers.

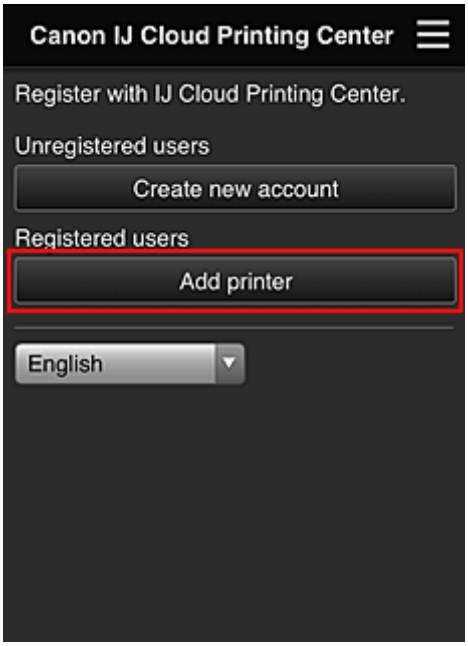
The procedure for adding a printer is as follows:

1. Print the registration information from the printer to be added

2. From the browser on your smartphone, tablet, or computer, access the authentication site URL



3. Select **Add printer**



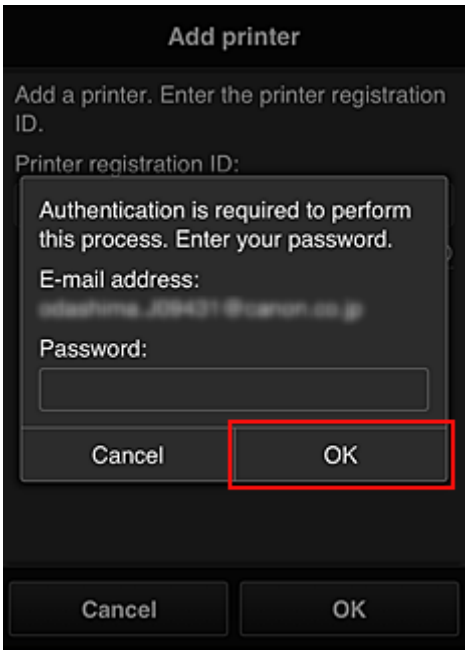
4. When the confirmation message is displayed, select **OK**

5. Enter your **Printer registration ID**, and select **OK**

Note

- When you access the service from **Remote UI**, the **Printer registration ID** is entered automatically.

6. Enter the **Password** for the account you obtained beforehand, and select **OK**



Printer addition is completed.
If a printer added message is not displayed, follow the instructions on the displayed screen.

Troubleshooting Canon Inkjet Cloud Printing Center

Troubleshooting Canon Inkjet Cloud Printing Center

- If an app cannot be installed
- If the registered app is not in the Apps list
- If the information is not updated when you press the **Update** button
- If you do not receive the registration e-mail
- Printing starts on its own even if you do not do anything
- If you are unable to log in correctly even after entering the correct password in iOS or Mac

If an app cannot be installed

Check the country or region where the printer was purchased.
If the printer is taken outside the country or region where it was purchased, apps cannot be installed.

If the registered app is not in the Apps list

Check the display language of Canon Inkjet Cloud Printing Center.
If the display language is switched to a language that does not support an app, the app will not be displayed in the apps list but will continue to be registered.
If you switch back to the target language of the app, it will be displayed in the apps list and you will be able to start, register, or unregister the app.

If the information is not updated when you press the Update button

Because the Properties screen requires network connection with this product, the information may not be reflected immediately. Please wait awhile, and then try updating the information again.
If the information is still not updated, then check that the product is connected to the Internet.

If you do not receive the registration e-mail

You may have entered a different e-mail address during the user registration of Canon Inkjet Cloud Printing Center.

On the printer's Home screen, select **Setup** -> **Web service setup** -> **Web service connection setup** -> **IJ Cloud Printing Center setup** -> **Delete from this service** to delete the service registration.
After resetting the printer, repeat the user registration of Canon Inkjet Cloud Printing Center from the beginning.

Printing starts on its own even if you do not do anything

A third party may be able to illegally use the Canon Inkjet Cloud Printing Center services.

On the printer's Home screen, select **Setup** -> **Web service setup** -> **Web service connection setup** -> **IJ Cloud Printing Center setup** -> **Delete from this service** to delete the service registration.
After resetting the printer, repeat the user registration of Canon Inkjet Cloud Printing Center from the beginning.

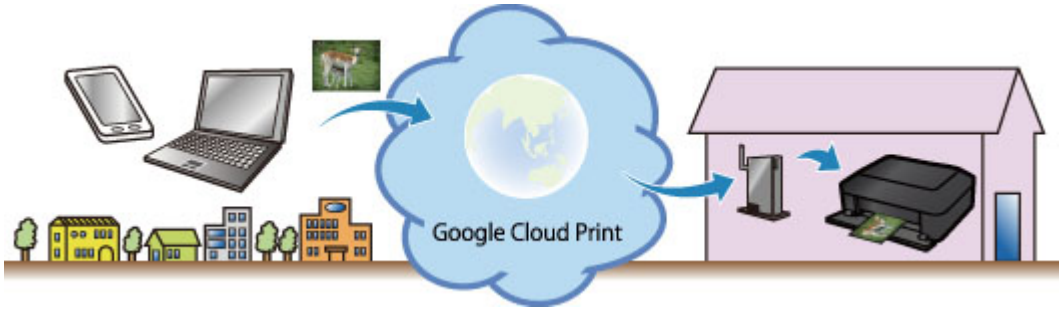
If you are unable to log in correctly even after entering the correct password in iOS or Mac

If you are using iOS or Mac, and the password contains the ¥ symbol, enter a backslash instead. For instructions on entering a backslash, see the OS help.

Printing with Google Cloud Print

The printer is compatible with Google Cloud Print™ (Google Cloud Print is a service provided by Google Inc.).

By using Google Cloud Print, you can print from anywhere with applications or services supporting Google Cloud Print.



1. Preparations for Printing with Google Cloud Print

2. Printing from Computer or Smartphone with Google Cloud Print

Important

- LAN connection with the printer and Internet connection are required to register the printer and to print with Google Cloud Print. Internet connection fees apply.
- This function may not be available depending on the country or region you live in.

Preparations for Printing with Google Cloud Print

To print with Google Cloud Print, you need to get Google account and register the printer with Google Cloud Print in advance.

- Getting Google Account

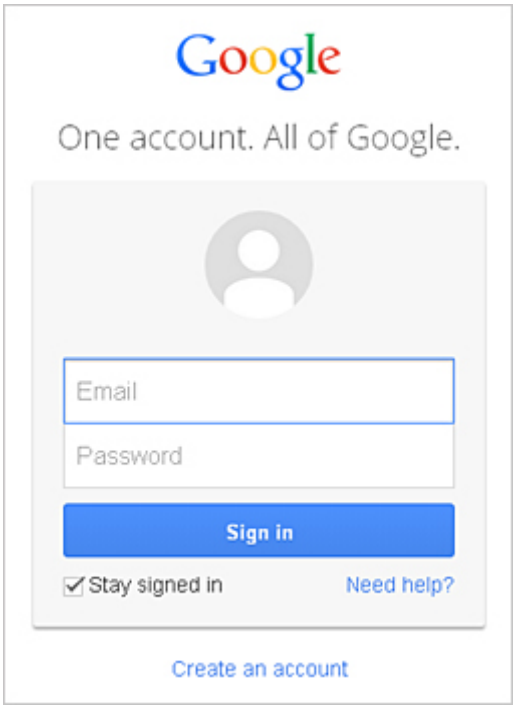
If you already have Google account, register the printer.

- Registering the Printer with Google Cloud Print

Getting Google Account

First, get your Google account in order to register the printer with Google Cloud Print.

Access to Google Cloud Print with the web browser on the computer or the mobile device, then register the required information.



* The screen above may change without prior notice.

Registering the Printer with Google Cloud Print

Register the printer with Google Cloud Print.

The authentication procedure using the web browser on the computer or the mobile device is required in the process of registering. Because the authentication URL is printed from printer when the authentication process is performed, prepare A4 or Letter-sized plain paper.

Important

- LAN connection with the printer and Internet connection are required to register the printer and to print with Google Cloud Print. Internet connection fees apply.
- If the printer's owner changes, delete the printer from Google Cloud Print.

1. Make sure that the printer is turned on

2. From the Home screen, select **Setup**

3. Select **Web service setup** -> **Connection setup** -> **Google Cloud Print setup** -> **Register with Google Cloud Print**

   Note

   - If you have already registered the printer with Google Cloud Print, the confirmation message to re-register the printer is displayed.

4. When the confirmation screen to register the printer is displayed, select **Yes**

5. Select a display language on the print setting screen of Google Cloud Print

   The confirmation message to print the authentication URL is displayed.

6. Load A4 or Letter-sized plain paper, then select OK

   The authentication URL is printed.

7. Ensure that the authentication URL is printed, select **Yes**

8. Perform the authentication process using the web browser on the computer or the mobile device

   Access to the URL using the web browser on the computer or the mobile device and perform the authentication process following the on-screen instructions.

   Note

   - Perform the authentication process with your Google account which you have gotten in advance.

9. When the message that the registration is complete is displayed on the LCD of the printer, select OK

   When authentication process is complete properly, the registration items are displayed. When authentication process is complete, you can print the data with Google Cloud Print.
   When authentication process is not complete properly and the error message is displayed, select OK. When the confirmation message to print the authentication URL is displayed, print the authentication URL, then perform the authentication process on the computer again.

Deleting the Printer from Google Cloud Print

If the printer's owner changes or if you want to re-register the printer, delete the printer from Google Cloud Print by following the steps below.

1. Make sure that the printer is turned on

2. From the Home screen, select **Setup**

3. Select **Web service setup** -> **Connection setup** -> **Google Cloud Print setup** -> **Delete from Google Cloud Print**

4. When the confirmation screen to delete the printer is displayed, select **Yes**

Printing from Computer or Smartphone with Google Cloud Print

When you send print data with Google Cloud Print, the printer receives the print data and prints it automatically if the printer is turned on.

When printing from a smartphone, tablet, computer, or other external device by using Google Cloud Print, load paper into the printer in advance.

Sending the Print Data with Google Cloud Print

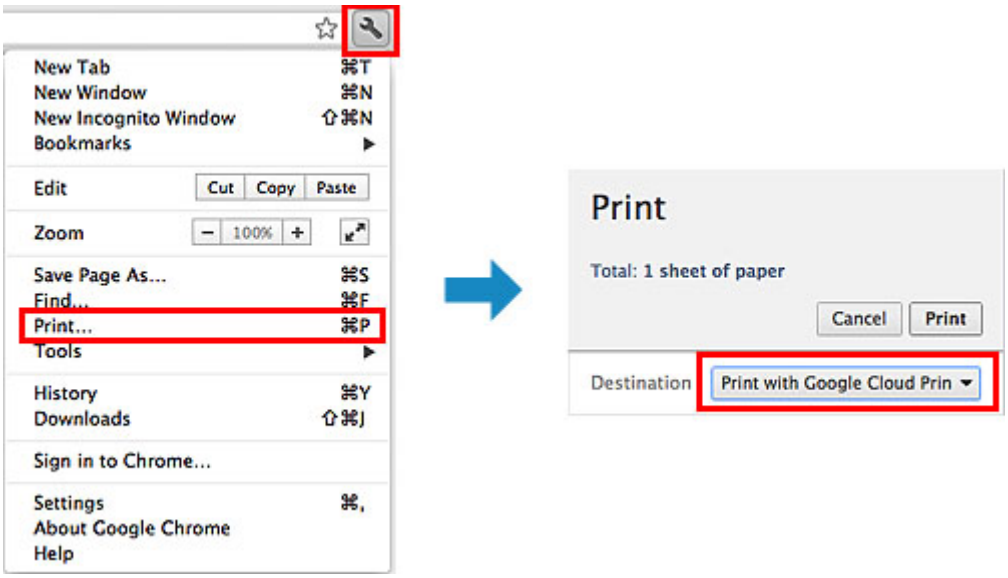
1. Make sure that the printer is turned on

   Note

   - If you want to send the print data from an outside location, turn on the printer in advance.

2. Send print data from your smartphone, tablet, or computer

   The figure below is an example of when printing from the web browser corresponding with Google Cloud Print. The screen differs depending on the applications or services supporting Google Cloud Print.



   When the preparation for printing with Google Cloud Print is complete and when the printer is turned on, the printer receives the print data and prints it automatically.

Note

- Depending on the communication status, it may take a while to print the print data or the printer may not receive the print data.
- While printing with Google Cloud Print, the printing may be canceled depending on the printer's status, such as when the printer is being operated or an error has occurred. To resume printing, check the printer's status, then print with Google Cloud Print again.
- For print settings:
  - If you select the media type other than plain paper or if you select the paper size other than A4/Letter/B5/A5-size, the print data is printed in single-sided even when you select the duplex print setting. (* The paper size differs depending on the model of your printer. For information about the supported paper sizes, go to the *Online Manual* home page, and refer to the "Cannot Print Properly with Automatic Duplex Printing" for your model.)

- If you select plain paper as media type or if you select B5/A5-size as paper size, the print data is printed with border even when you select the borderless print setting.
- The print results may differ from the print image depending on the print data.
- Depending on the device sending the print data, you may not select the print settings when sending the print data with Google Cloud Print.

When you want to print from Google Cloud Print immediately

When the printer cannot receive the print data, or you want to start printing immediately, you can check whether there is a print job on the Google Cloud Print and start printing manually.

Follow the steps below.

Important

- Depending on your printer model, this function may not be available.

1. Make sure that the printer is turned on
2. From the Home screen, select **Setup**
3. Select **Web service inquiry**

   ### Note

   - If you have not registered the printer with Google Cloud Print, **Web service inquiry** is not displayed.
     Register the printer with Google Cloud Print.
4. Select **Print from Google Cloud Print**

   The confirmation screen to check is displayed.
5. Select **Yes**

   If there is the print data, the printer receives the print data and prints it.

Printing from AirPrint Compliant Device

This document explains how to use AirPrint to print wirelessly from your iPad, iPhone and iPod touch to a Canon printer.

AirPrint enables you to print photos, email, Web pages and documents from your Apple device directly to your printer without installing a driver.

Checking Your Environment

First, check your environment.

- **AirPrint Operation Environment**

  To use AirPrint, you will need one of the following Apple devices running the latest version of iOS:

  - iPad (all models)
  - iPhone (3GS or later)
  - iPod touch (3rd generation or later)

- **Network Environment**

  The Apple device (iPad, iPhone, or iPod touch) and this printer must be connected to the same Wi-Fi network or connected in AP mode.

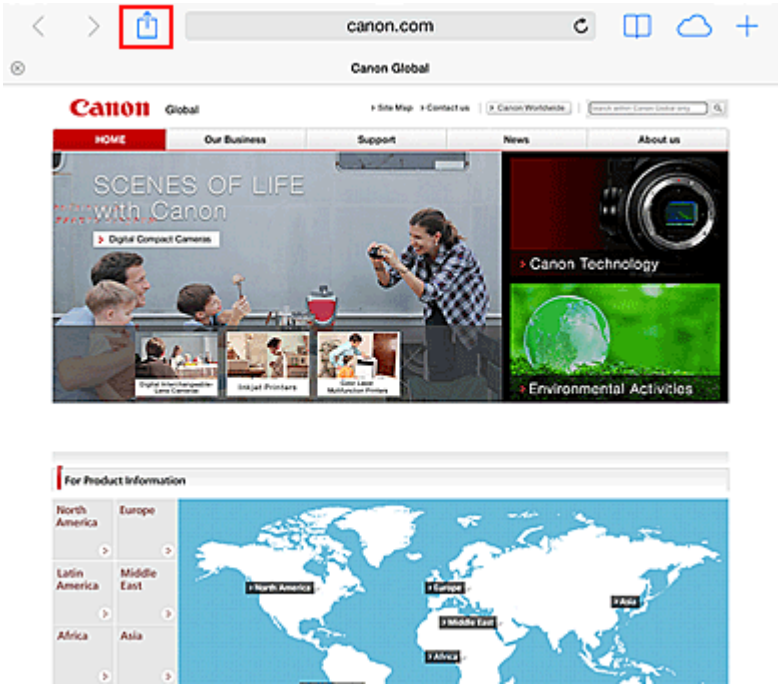
Note

- If your iPad, iPhone or iPod touch is running the latest version of iOS, you do not need to download and install any drivers or additional software.

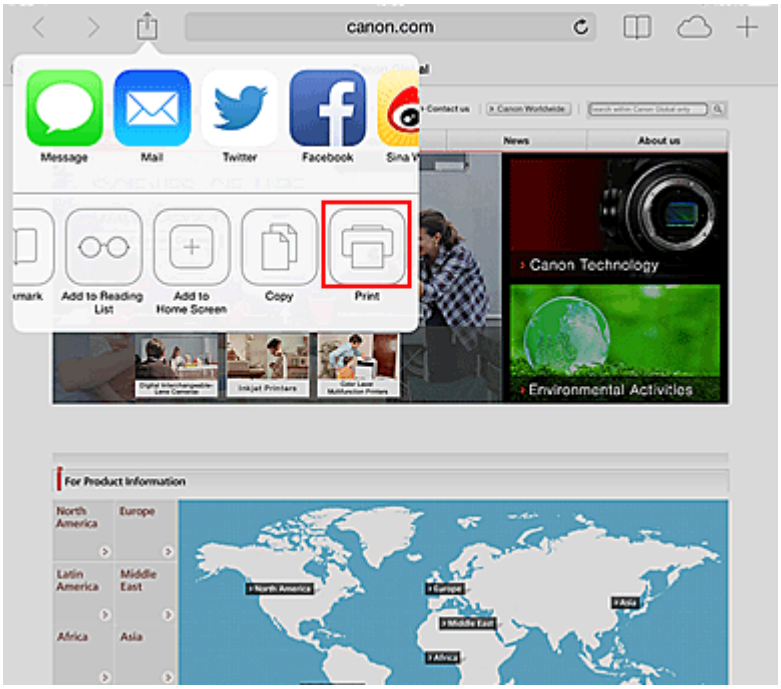
Printing with AirPrint

1. Check that this printer is turned on and the Apple device and this printer is connected to the LAN or connected in AP mode.

2. From the app of your Apple device, tap the operation icon to display the menu options.



3. From the menu options, tap **Print**.



4. From **Printer Options**, select the model that you are using.

Important

- Because some app does not support AirPrint, **Printer Options** may not be displayed. If an app does not let you use printer options, you cannot print from that app.

Note

- The **Printer Options** differ depending on the app and model you are using.

5. When printing a file type that has multiple pages, such as a PDF file, click **Range** and then click **All Pages** or select the range of pages to be printed.

6. For **1 Copy**, click **+** or **-** to set the number of required copies.

7. For **Duplex Printing**, click **On** to enable duplex printing or click **Off** to disable the function.

8. Tap the **Print**.

   When you execute printing, the printer prints according to the specified settings.

Paper Size

With AirPrint, the paper size is selected automatically according to the app being used on the Apple device and the region in which AirPrint is used.

When Apple's photo app is used, the default paper size is L size in Japan, and 4"x6" or KG in other countries and regions.

When documents are printed from Apple's Safari app, the default paper size is letter size in the U.S. region, and A4 in Japan and Europe.

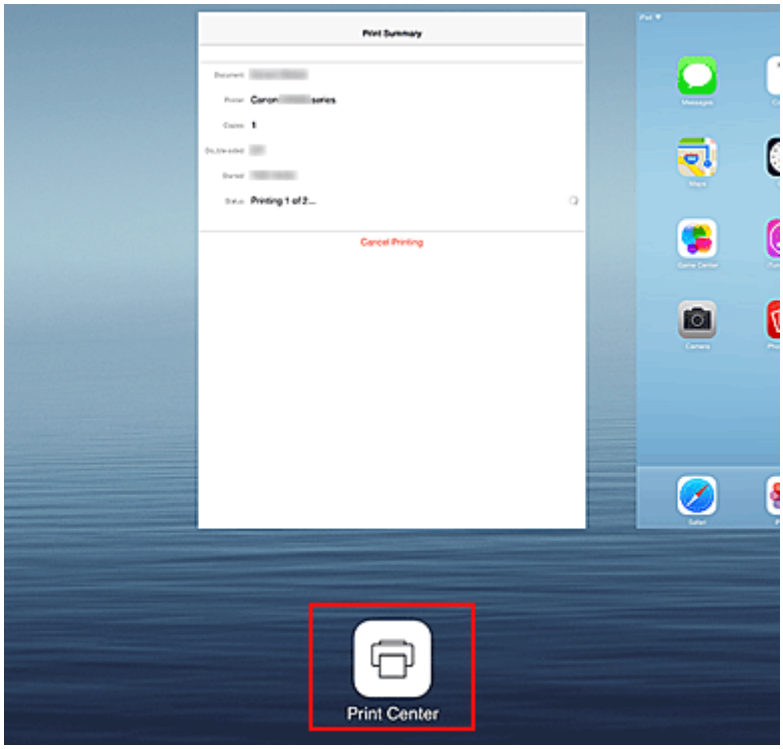
Important

- Your app may support different paper sizes.

Checking the Print Status

During printing, a **Print Center** icon is displayed in the list of recently used apps, and you can use it to check the print progress.

Press the Home button on the Apple device twice to set the **Multitasking** mode. Then swipe to the right to display the **Print Center** icon and a **Print Summary**.



Deleting a Print Job

To delete a print job with AirPrint, use one of the following two methods:

- From the printer: If your printer has a LCD monitor, use the operation panel to cancel the print job. If you printer does not have a LCD monitor, press the **Stop** button on the printer to cancel the print job.
- From an Apple device: Press the Home button on the Apple device twice to set the **Multitasking** mode, and then swipe to the right. Tap the **Print Center** icon to display a **Print Summary**. Tap the print job to be canceled, and then tap **Cancel Printing**.

AirPrint Troubleshooting

If the document does not print, check the following:

1. Check that the printer power is on. If the printer power is on, turn it off and then back on again, and check whether the issue is resolved.

2. Check that the printer is connected by LAN to the same network subnet as the device on which iOS is installed.

3. Check that the printer has enough paper and ink.

4. If your printer has a LCD monitor, check that no error message is displayed on the LCD monitor.

   If the problem persists, use the printer driver on your computer to execute printing and check whether the document can be printed normally on the printer.

   If the document cannot be printed, refer to the *Online Manual* for your model.

Note

- After you turn on the printer, it may take few minutes before the printer can communicate through a wireless LAN connection. Confirm that the printer is connected to the wireless LAN, and then try printing.
- If Bonjour on the printer is disabled, AirPrint cannot be used. Check the LAN settings on the printer, and enable Bonjour.

Note

- The windows used in the explanations may differ from those displayed by your Apple product or app.

Checking Printer Information

You can use your smartphone, tablet, or computer to check the **Printer status** and execute utility functions from apps such as Canon Inkjet Print Utility and PIXMA Printing Solutions.

You can also use the convenient web services presented by Canon.

1. Selecting Printer Information in an Apps Screen

Note

- You can also enter IPv4 address directly in the web browser to display printer information.
  1. From the home window, select **Setup** -> **Device settings** -> **LAN settings** -> **Confirm LAN settings** -> **WLAN setting list**. Then from the displayed window, check the IP address.
  2. From your computer, smartphone, or tablet device, open the Web browser, and enter the following URL:

     http:// <Printer IP address>

     For <Printer IP address>, enter the IP address that you checked in the previous procedure.

2. Entering **Username** and Administrator's Password

From the authentication screen, enter the **Username** and **Password**.

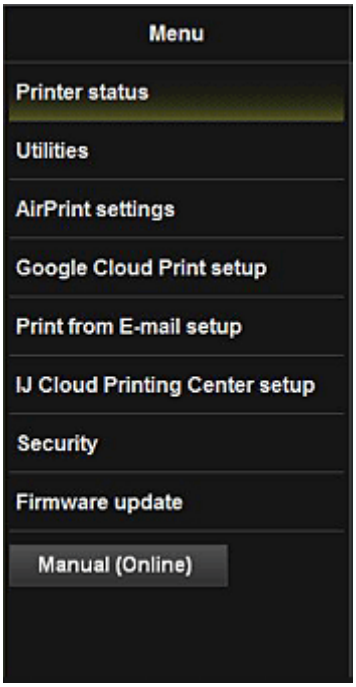
Username: ADMIN
Password: See "About the Administrator Password."

Note

- The **Username** display may differ depending on your browser.

3. Displaying Printer Information

The top screen for printer information is displayed.



Printer status

This function displays printer information such as the remaining ink amount, the status, and detailed error information.

You can also connect to the ink purchase site or support page, and use Web Services.

Utilities

This function allows you to set and execute the printer utility functions such as cleaning.

AirPrint settings

This function allows you to specify the Apple AirPrint settings, such as position information.

Google Cloud Print setup

This function allows you to register this printer to Google Cloud Print or delete the printer.

Print from E-mail setup

Allows you to register printers, check print addresses, and delete registered printers.

IJ Cloud Printing Center setup

Allows you to register to IJ Cloud Printing Center or to delete a registration.

Security

Allows you to set the **Administrator**'s password and **Operation restrictions** for the machine.

Important

- For the initial **Password**, see "About the Administrator Password."
  For Security reasons, we recommend that you change the **Password** to an individual password.
- The following character restrictions apply to the password that you enter:
  - Set the password by using 0 to 32 characters.
  - The allowed characters are single-byte alphanumeric characters.

Firmware update

This function allows you to update the firmware and check version information.

Manual (Online)

This function displays the *Online Manual*.

Online Storage Integration Function

The printer can integrate with online storage services such as Evernote.

Integration with Online Notetaking Service "Evernote"

If an Evernote client application is installed on your computer, you can import scanned images into the application and upload them to the Evernote server.

The uploaded images can be browsed from other computers, smartphones, etc.

To use Evernote, you need to create an account. See the "CREATE ACCOUNT" page of Evernote for account creation.

- **Settings**

  In the Settings Dialog of IJ Scan Utility, select the item you want to set, then select Evernote for **Send to an application** in **Application Settings**.
  Refer to "Settings Dialog" for your model from Home of the *Online Manual* for details.

Important

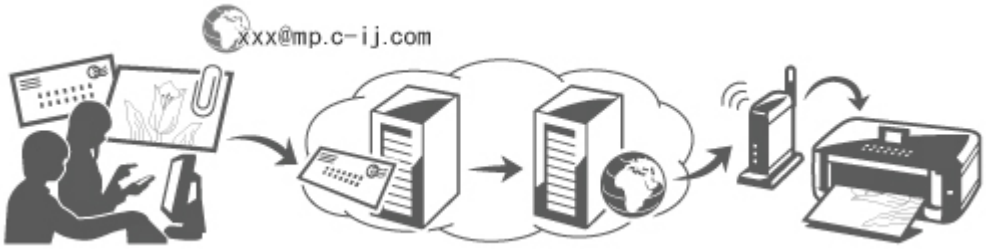
- The Evernote service features are subject to change or termination without prior notice.

How to Use Print from E-mail

By using **Print from E-mail**, you can easily print a photo or document saved on your smartphone, tablet, or computer just by attaching it to an e-mail.

You can print simply from outside like a travel destination. Also, your family or friends can print by registering beforehand.

You can use **Print from E-mail** on any Canon printer that supports the service.



Checking Your Environment

First, check your environment.

- **Network environment**

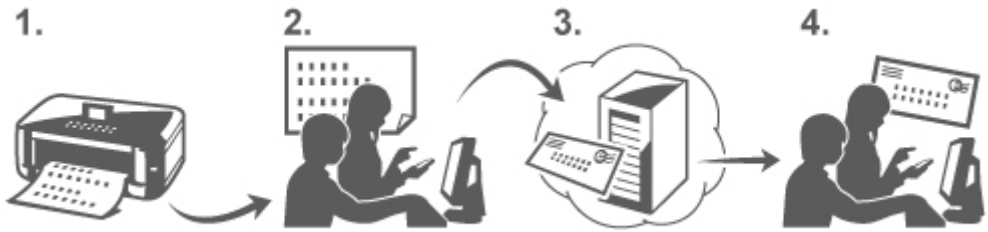
  This product needs to be connected to a LAN with an Internet connection.

Important

- The user will bear the cost of Internet access.
- This function may not be available in some countries/regions.
- Depending on your printer model, this function may not be available.

Preparing to use Print from E-mail

To use **Print from E-mail**, you need to register the printer by entering information about the printer's owner.



1. Print the printer registration page's URL and the PIN code
2. Access the URL and enter the owner's e-mail address and other required information
3. Check if an e-mail has been sent to the e-mail address you entered

4. Access the URL provided in the e-mail and complete the printer registration process

Note

- The e-mail address that appears on the screen when you have finished registering is the e-mail address that will be used just for the **Print from E-mail** function.

For details about the registration procedure, see here

Printing from Your Smartphone, Tablet, or Computer

1. Prepare a file that you want to print

   The file format, number of files, and file size that this printing function supports are provided below.

   Supported File Formats

   - Adobe PDF files
   - JPEG files
   - .doc/.docx/.xls/.xlsx/.ppt/.pptx files

   Important

   - Only files that are attached to e-mail can be printed. E-mail messages cannot be printed.
   - Adobe PDF files and .doc/.docx/.xls/.xlsx/.ppt/.pptx files that are encrypted, password-protected, or set to print disabled cannot be printed.
   - Files that are attached as compressed files cannot be printed.
   - Files other than Adobe PDF files, JPEG files and .doc/.docx/.xls/.xlsx/.ppt/.pptx files cannot be printed.

   Supported Number of Files and File Sizes

   - Up to 10 attachment files can be printed.
   - The maximum size of an e-mail with attachment files is 10 MB.

   Note

   - The size of an e-mail is determined based on the size of the entire transmission file, including the e-mail message and the header. Therefore sometimes an attachment file cannot be printed even if the size of the attachment file is less than 10 MB.
   - If the size of an attached JPEG file is less than 10 KB, the file cannot be printed.

2. Attach the file that you want to print from your smartphone, tablet, or computer to the e-mail and send it to the e-mail address for printing

   To check the print address, from the operation panel of this printer, display the home window and select **Setup** -> **Web service setup** -> **Web service connection setup** -> **Print from E-mail setup** -> **Check address for printing**.

   Important

   - You will not be able to use the service during periods when the service is undergoing maintenance.

Use the Service With More Than One Person

To allow multiple users to use this function, register users (other than the printer's owner) as members.

1. The printer's owner uses his/her smartphone, tablet, or computer to access the service's login URL (https://pr.mp.c-ij.com/po) and logs in

2. Select the printer name that you want to add the member. Click **Member Settings** -> **Add** to enter the member's e-mail address, and click **Add**

   A URL of the member registration page is sent to the e-mail address of the newly registered member.

3. Registered member accesses to the URL that is included in the e-mail, and complete the registration

   You can use this service from registered e-mail address.

Note

- You can register up to 500 members.

Print from E-mail Troubleshooting

- The Document Does Not Print
- If You Cannot Register to the Service or Delete the Service
- If You Cannot Print after the Printer Is Repaired

The Document Does Not Print

If the document does not print, check the following:

- Check that the printer power is on.
  If the printer power is on, turn it off and then back on again, and check whether the issue is resolved.
- Check that the printer is connected to the network.
- Check that the printer is connected to a LAN and the LAN has an Internet connection.
- Look at the printer LCD monitor and check that no error message is displayed.
  If the problem persists, use the printer driver on your computer to execute printing and check whether the document can be printed normally on the printer.
  If the document cannot be printed, refer to the *Online Manual* for your printer.
- Check that the file attached to the e-mail is an Adobe PDF file, a JPEG file, or a .doc/.docx/.xls/.xlsx/.ppt/.pptx file.
- Check whether the e-mail address of the send destination is correct.
  To check the print address, from the operation panel of this printer, display the home window and select **Setup** -> **Web service setup** -> **Web service connection setup** -> **Print from E-mail setup** -> **Check address for printing**.
- Check that the user's e-mail address for using this service is registered.
  If you want to check the error details, the printer owner have to access the login URL (https://pr.mp.c-ij.com/po).
- In the **Print Status** screen, click **Go to Print History Screen** and check the history of jobs that were sent. You can check the error details.

If you want to check the error details, the printer owner have to access the login URL (https://pr.mp.c-ij.com/po).

Note

- For a wireless LAN connection, after the printer is turned on, it may take a few minutes before communication becomes possible. Confirm that your printer is connected to the wireless LAN, and then try printing.

If You Cannot Register to the Service or Delete the Service

If You Cannot Register to the Service

- If the printer operation panel display the message "**Failed to register with "Print from E-mail".**", the registration to **Print from E-mail** may not have been completed in time. Select **OK** to release the error, and start over again from the beginning.
- Check that the firmware version of the printer has been updated.

If You Do Not Receive the URL to Complete the Registration by E-mail

- An incorrect e-mail address may have been entered. Wait about 30 minutes, and operate the printer operation panel to print the printer registration URL and PIN code. Then re-register from the beginning.

If You Cannot Delete the Service

- If the printer operation panel display the message "**Failed to connect to "Print from E-mail". Only the information on the printer was deleted.**" is displayed, it could be that the registration information on the service could not be deleted even though the **Print from E-mail** information stored on this printer was deleted.
  Select **OK** to release the error, and then access the service's login URL (https://pr.mp.c-ij.com/po) to delete the registration information.
- If the **Print from E-mail** information stored on this printer could not be deleted even though the registration information on the service was deleted, from the operation panel of this printer, display the home window and select **Setup** -> **Web service setup** -> **Web service connection setup** -> **Print from E-mail setup** -> **Delete registered printer**, and delete the registration information.

If You Cannot Print after the Printer Is Repaired

Re-registering the printer and the printer owner

- When the printer is repaired, all of the registered information is deleted and **Print from E-mail** can no longer be used.
  If you want to use this service again, you must re-register the printer and the printer owner.
  For information about the re-registration procedure, see "Preparing to Use Print from E-mail".
  Even if users other than the owner were registered as members, repeat the registration starting from here.

Preparing to Use Print from E-mail

To use this service to print a photo or document, you need to follow the procedure provided below and register the printer.

Print the Printer Registration Page's URL and the PIN Code

First, print the printer registration page's URL and the PIN code.
Check that there is sufficient amount of ink in the printer, and then print using the printer's operation panel.

1. Check that the printer is connected to the network

   Important

   - This product needs to be connected to a LAN with an Internet connection.

2. From the operation panel of this printer, display the home window and select **Setup** -> **Web service setup** -> **Web service connection setup** -> **Print from E-mail setup** -> **Register printer**.

3. Follow the instructions on the screen and print the printer registration URL and PIN code

   Important

   - Do not turn off the power on the printer until the registration process is completed.
     Access the printed URL and log in within 25 minutes.
   - If you canceled the registration before it is completed, repeat the procedure from printing the registration information.

Access the Printed URL and Enter the Owner's E-mail Address and Other Required Information

Next, enter the owner's e-mail address and other required information.

1. Access the printed URL by using the browser on your smartphone, tablet, or computer, and select **Log In**

2. In the use agreement window, select **Agree**

   Important

   - If you do not select **Agree** in the use agreement window, you will not able to register as the printer owner.

3. Enter the printer owner's e-mail address, and select **Next**

Important

- An e-mail is sent with the required information for completing the registration to the e-mail address entered for the printer's owner.
- If domain-specific reception is set, change the setting so that mail can be received from "info@mp.c-ij.com"

Note

- The e-mail address of the printer owner cannot be changed once the printer owner is registered.
  To change the e-mail address, delete the registration of the registered printer, and re-register the printer owner by using the new e-mail address. In this case, all previously registered information will be deleted.
- The notification is sent automatically to the registered e-mail address when the printing or service maintenance starts.

4. In the **Printer Owner Registration** window, enter the information shown below, and click **Next**

User Name

Enter any name.
The name that you enter is displayed at login.

Important

- The maximum number of characters that can be entered is 30.

Language

Select the language that you are using.
The language that you select is used in notification e-mails such as print start notices.

Time Zone

Refer to this section, and select the standard time of the city that is nearest to the region where you live.

Date/Time Display Format

Select the format of your choice.
The format that you select is applied to the date/time information in the screens and notification e-mails of this service.

Daylight Saving Time

This setting is combined with the **Time Zone** setting, and applied to the date/time information in the screens and notification e-mails of this service.
When you select **ON**, 1 hour is added to the **Time Zone** setting when the date/time information is displayed.

5. In the **Printer Registration** window, enter the **Printer Name**, and select **Confirm**

Enter any name that will allow you to identify the printer.

Important

- The maximum number of characters that can be entered is 30.

6. In the **Confirm Owner Registration** window, check the registration information, and select **Register**

   A temporary password will be displayed.

   Important

   - The temporary password that appears is not included in the notification e-mail. Be sure to write down the temporary password before closing the screen.

Check if an E-mail Has Been Sent to the E-mail Address You Entered

A URL is notified to complete the registration to the e-mail address that for the registered printer's owner.

Access the URL in the E-mail and Complete the Printer Registration

1. Access the URL provided in the e-mail

   Important

   - You have to complete the registration within 30 minutes.

2. Enter the registered e-mail address of the printer's owner, the temporary password, and select **Log In**

3. Set a password of your choice, and select **Register**

   When the password setting process is completed, the printer's e-mail address and the service's URL are displayed, and the printer's registration process is completed.

   Important

   - When you enter the password, the following character restrictions apply.
     - Set a password that has 8 or more characters.
     - The characters that you can use are single-byte uppercase letters, single-byte lowercase letters, and single-byte numbers.
     - In the password, combine all of the different types of characters that can be used.
   - The displayed printer's e-mail address and the URL of the login page are not sent. Be sure to write down the printer's e-mail address and the URL of the login page before closing the screen.

Timezone List

(UTC-12:00)	International Date Line West
(UTC-11:00)	Midway Island
(UTC-10:00)	Hawaii
(UTC-09:00)	Alaska
(UTC-08:00)	Tijuana, Baja California, Pacific Time (US & Canada)
(UTC-07:00)	Arizona, Chihuahua, La Paz, Mazatlan, Mountain Time (US & Canada)
(UTC-06:00)	Guadalajara, Mexico City, Monterrey, Saskatchewan, Central America, Central Time (US & Canada)
(UTC-05:00)	Indiana (East), Bogota, Lima, Quito, Eastern Time (US & Canada), Caracas
(UTC-04:00)	Asuncion, Santiago, Georgetown, La Paz, San Juan, Manaus, Atlantic Time (Canada), Newfoundland
(UTC-03:00)	Cayenne, Greenland, Buenos Aires, Brasilia, Montevideo
(UTC-02:00)	Mid-Atlantic
(UTC-01:00)	Azores, Cape Verde Is.
(UTC+00:00)	Casablanca, Dublin, Edinburgh, Lisbon, London, Monrovia, Reykjavik, Coordinated Universal Time
(UTC+01:00)	Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna, Sarajevo, Skopje, Warsaw, Zagreb, Brussels, Copenhagen, Madrid, Paris, Belgrade, Bratislava, Budapest, Ljubljana, Prague, West Central Africa
(UTC+02:00)	Athens, Bucharest, Istanbul, Amman, Windhoek, Jerusalem, Cairo, Harare, Pretoria, Beirut, Helsinki, Kyiv, Riga, Sofia, Tallinn, Vilnius, Minsk
(UTC+03:00)	Kuwait, Riyadh, Tbilisi, Nairobi, Baghdad, Moscow, St. Petersburg, Volgograd, Tehran
(UTC+04:00)	Abu Dhabi, Muscat, Yerevan, Baku, Port Louis, Kabul
(UTC+05:00)	Islamabad, Karachi, Ekaterinburg, Tashkent, Sri Jayawardenepura, Chennai, Kolkata, Mumbai, New Delhi, Kathmandu
(UTC+06:00)	Astana, Dhaka, Almaty, Novosibirsk, Yangon (Rangoon)
(UTC+07:00)	Krasnoyarsk, Bangkok, Hanoi, Jakarta
(UTC+08:00)	Irkutsk, Ulaan Bataar, Kuala Lumpur, Singapore, Perth, Taipei, Beijing, Chongqing, Hong Kong, Urumqi
(UTC+09:00)	Seoul, Yakutsk, Osaka, Sapporo, Tokyo, Adelaide, Darwin
(UTC+10:00)	Vladivostok, Canberra, Melbourne, Sydney, Guam, Port Moresby, Brisbane, Hobart
(UTC+11:00)	Magadan, Solomon Is., New Caledonia
(UTC+12:00)	Auckland, Wellington, Fiji, Marshall Is., Petropavlovsk-Kamchatsky
(UTC+13:00)	Samoa, Nuku'alofa

Print Easily from a Smartphone or Tablet with PIXMA Printing Solutions

Use PIXMA Printing Solutions to easily print photos saved on a smartphone or tablet wirelessly.
You can also receive scanned data (PDF or JPEG) directly on a smartphone or tablet without using a computer.

PIXMA Printing Solutions can be downloaded from App Store and Google Play.

Printing with Windows RT

When you use Windows RT, printing is easy because you simply connect this printer to the network.

For information about connecting to the network, see the setup URL (http://www.canon.com/ijsetup) for using this product from your computer, smartphone, or tablet device.

When the connection is complete, the Canon Inkjet Print Utility software, which allows you to specify detailed print settings, is downloaded automatically.
By using Canon Inkjet Print Utility, you can check the **Printer status** and specify detailed print settings. (The available functions will differ depending on your usage environment and connection method.)

Overview of the Machine

- **Safety Guide**
  - Safety Precautions
  - Regulatory and Safety Information
- **Main Components and Basic Operations**
  - Main Components
  - About the Power Supply of the Machine
  - LCD and Operation Panel
- **Loading Paper / Originals**
  - Loading Paper
  - Loading Originals
- **Replacing an Ink Tank**
  - Replacing an Ink Tank
  - Checking the Ink Status from Your Computer
  - Checking the Ink Status
- **Maintenance**
  - When Printing Becomes Faint or Colors Are Incorrect
  - Performing Maintenance from a Computer
  - Cleaning the Machine
- **Changing the Machine Settings**
  - Changing Machine Settings from Your Computer
  - Changing the Machine Settings on the LCD
- **Information about Network Connection**
  - Useful Information about Network Connection
- **About Network Communication**
  - Changing and Confirming Network Settings
  - Appendix for Network Communication
- **Tips for Ensuring Optimal Printing Quality**
  - Useful Information about Ink
  - Key Points to Successful Printing
  - Be Sure to Check Paper Settings before Printing
  - Be Sure to Set Cassette Paper Information after Loading Paper
  - Canceling a Print Job
  - Key to Enjoying Consistent Printing Quality
  - Precautions for Safe Transport of the Machine
- **Legal Limitations on Use of Your Product and Use of Images**
- **Specifications**

Safety Guide

- Safety Precautions
- Regulatory and Safety Information

Safety Precautions

Choosing a location

- Do not install the machine in a location that is unstable or subject to excessive vibration.
- Do not install the machine in locations that are very humid or dusty, in direct sunlight, outdoors, or close to a heating source.
  To avoid the risk of fire or electric shocks, use the machine under the operating environment specified in the On-screen Manual.
- Do not place the machine on a thick rug or carpet.
- Do not place the machine with its back attached to the wall.

Power supply

- Ensure that the area around the power outlet is kept clear at all times so you can easily unplug the power cord if necessary.
- Never remove the plug by pulling on the cord.
  Pulling the cord may damage the power cord, leading to possible fire or electrical shock.
- Do not use an extension lead/cord.

Working around the machine

- Never put your hands or fingers in the machine while it is printing.
- When moving the machine, carry the machine at both ends. In case the machine weighs more than 14 kg, it is recommended to have two people lifting the machine. Accidental dropping of the machine causes injury. For the machine's weight, refer to the On-screen Manual.
- Do not place any object on the machine. Especially do not place metal objects (paper clips, staples, etc.) or containers of flammable solvents (alcohol, thinners, etc.) on top of the machine.
- Do not transport or use the machine on a slant, vertically or upside-down, as the ink may leak and damage the machine.

Working around the machine (For the multifunction printer)

- When loading a thick book on the Platen Glass, do not press hard on the Document Cover. The Platen Glass may break and cause injury.

Print Heads/ink tanks and FINE Cartridges

- Keep ink tanks out of the reach of children. In case ink* is accidentally licked or swallowed, rinse out mouth or give one or two glasses of water to drink. If irritation or discomfort occurs, obtain medical advice immediately.
  * Clear Ink contains nitrate salts (For models containing Clear Ink).
- In case ink gets in contact with eyes, rinse with water immediately. In case ink gets in contact with skin, wash with soap and water immediately. If irritation to eyes or skin persists, obtain medical advice immediately.
- Never touch the electrical contacts on a Print Head or FINE Cartridges after printing.
  The metal parts may be very hot and could cause burns.
- Do not throw ink tanks and FINE Cartridges into fire.
- Do not attempt to disassemble or modify the Print Head, ink tanks, and FINE Cartridges.

Regulatory and Safety Information

For models containing lithium battery

- Dispose of used batteries according to the local regulations.
- Risk of explosion if battery is replaced by an incorrect type.

Users in the U.S.A.

FCC Notice (U.S.A. Only)
For 120V, 60Hz model
Model Number: K10412 (Contains FCC ID: AZDK30357)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Use of a shielded cable is required to comply with Class B limits in Subpart B of Part 15 of the FCC Rules.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual. If such changes or modifications should be made, you could be required to stop operation of the equipment.

FCC ID:AZDK30357

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The equipment complies with FCC radiation exposure limits for at uncontrolled equipment. This equipment should be installed and operated with minimum distance at least 20cm between the radiator and persons body (excluding extremities: hands, wrists, feet and ankles) and must not be colocated or operated with any other antenna or transmitter.

Canon U.S.A., Inc.
One Canon Park
Melville, New York 11747
1-800-652-2666

Users in Canada

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

Pour les usagers résidant au Canada

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'IC. Cet équipement doit être installé et utilisé en gardant une distance de 20 cm ou plus entre le dispositif rayonnant et le corps (à l'exception des extrémités : mains, poignets, pieds et chevilles).

Users in Jordan

This printer contains WLAN Module approved by TRC/LPD/2013/130

Name of WLAN Module : K30357

Only for European Union and EEA (Norway, Iceland and Liechtenstein)

This symbol indicates that this product is not to be disposed of with your household waste, according to the WEEE Directive (2012/19/EU) and national legislation. This product should be handed over to a designated collection point, e.g., on an authorized one-for-one basis when you buy a new similar product or to an authorized collection site for recycling waste electrical and electronic equipment (EEE). Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, approved WEEE scheme or your household waste disposal service. For more information regarding return and recycling of WEEE products, please visit www.canon-europe.com/weee.

Korisnici u Srbiji

Ovaj simbol označava da ovaj proizvod ne sme da se odlaže sa ostalim kućnim otpadom, u skladu sa WEEE Direktivom (2012/19/EU) i nacionalnim zakonima. Ovaj proizvod treba predati određenom centru za prikupljanje, npr. na osnovi "jedan-za-jedan" kada kupujete sličan novi proizvod, ili ovlašćenom centru za prikupljanje za reciklažu istrošene električne i elektronske opreme (EEE). Nepravilno rukovanje ovom vrstom otpada može da ima moguće negativne posledice po životnu sredinu i ljudsko zdravlje usled potencijalno opasnih materijala koji se uglavnom vezuju za EEE. U isto vreme, vaša saradnja na ispravnom odlaganju ovog proizvoda će doprineti efikasnom korišćenju prirodnih resursa. Za više informacija o tome gde možete da predate vašu staru opremu radi recikliranje, vas molimo, da kontaktirate lokalne gradske vlasti, komunalne službe, odobreni plan reciklaže ili Gradsku čistoću. Za više informacija o vraćanju i recikliranju WEEE proizvoda, posetite stranicu www.canon-europe.com/weee.

India only.

This product is not to be disposed of with your household waste, according to the e-waste (Management and Handling) Rules, 2011.

This product should be handed over to a designated collection point, e.g., to an authorized collection site for recycling waste electrical and electronic equipment (EEE). Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information regarding return and recycling of WEEE products, please visit http://www.canon.co.in/environment/.

Also, this product complies with the "India E-waste Rule 2011" and prohibits use of lead, mercury, hexavalent chromium, polybrominated biphenyls or polybrominated diphenyl ethers in concentrations exceeding 0.1 % by weight and 0.01 % by weight for Cadmium, except for the exemptions set in Schedule II of the Rule.

Environmental Information

Reducing your environmental impact while saving money

Power Consumption and Activation Time

The amount of electricity a device consumes depends on the way the device is used. This product is designed and set in a way to allow you to reduce your electricity costs. After the last print it switches to Ready Mode. In this mode it can print again immediately if required. If the product is not used for a time, the device switches to its Power Save Mode. The devices consume less power (Watt) in these modes. If you wish to set a longer Activation Time or would like to completely deactivate the Power Save Mode, please consider that this device may then only switch to a lower energy level after a longer period of time or not at all.
Canon does not recommend extending the Activation Times from the optimum ones set as default.

Energy Star®

The Energy Star® programme is a voluntary scheme to promote the development and purchase of energy efficient models, which help to minimise environmental impact.
Products which meet the stringent requirements of the Energy Star® programme for both environmental benefits and the amount of energy consumption will carry the Energy Star® logo accordingly.

Paper types

This product can be used to print on both recycled and virgin paper (certified to an environmental stewardship scheme), which complies with EN12281 or a similar quality standard. In addition it can support printing on media down to a weight of 64g/m^2, lighter paper means less resources used and a lower environmental footprint for your printing needs.

Regulatory Model Code (RMC) is for identification and proof that the product complies with the regulations. Please note that RMC is different from the marketing model number of the product.

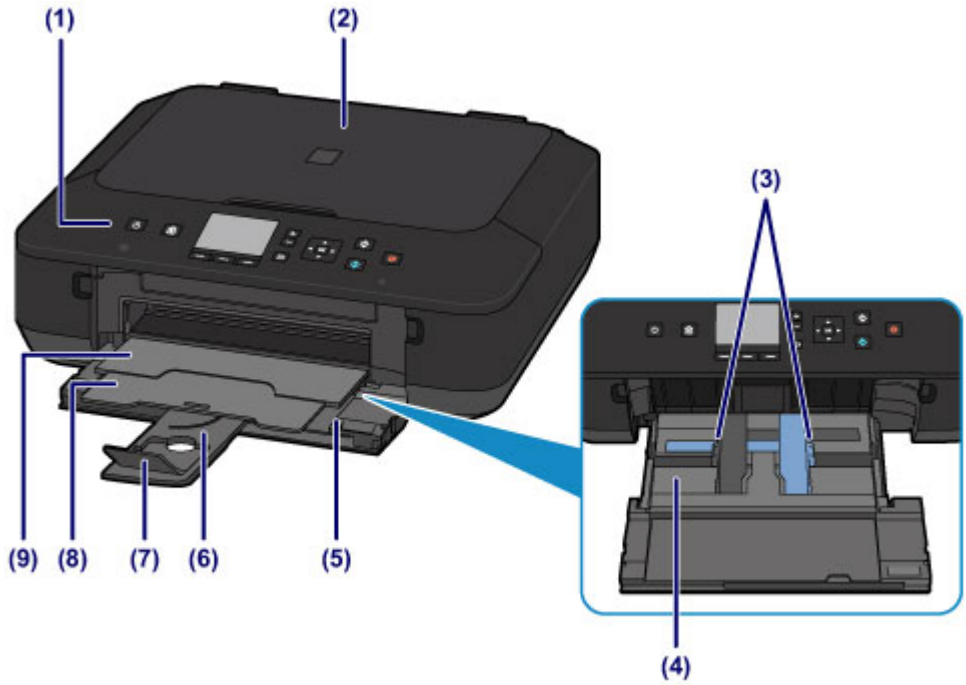
Main Components and Basic Operations

- Main Components
- About the Power Supply of the Machine
- LCD and Operation Panel

Main Components

- **Front View**
- **Rear View**
- **Inside View**
- **Operation Panel**

Front View



(1) operation panel

Use to change the settings of the machine or to operate it. Also, lift and open it to replace an ink tank, to check the ink lamp, or to remove jammed paper inside the machine.

- Operation Panel

(2) document cover

Open to load an original on the platen glass.

(3) paper guides

Align with both sides of the paper stack.

(4) cassette

Load paper here. Two or more sheets of the same size and type of paper can be loaded at the same time, and fed automatically one sheet at a time.

- Loading Plain Paper / Photo Paper
- Loading Envelopes

(5) front cover

Open to load paper or perform the print operation.

(6) paper support

Extend to load paper in the cassette.

(7) output tray extension

Open to support ejected paper.

(8) paper output support

Extend to support ejected paper.

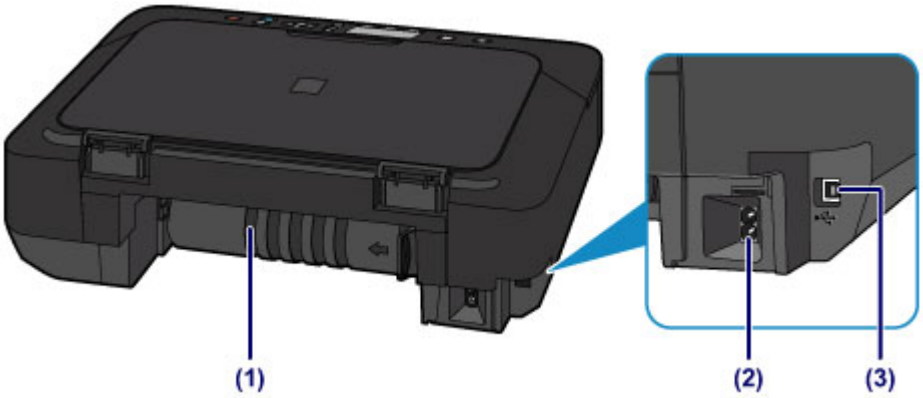
(9) paper output tray

Printed paper is ejected. Open it before printing.

(10) platen glass

Load an original here.

Rear View



(1) transport unit

Open to remove jammed paper.

(2) power cord connector

Plug in the supplied power cord.

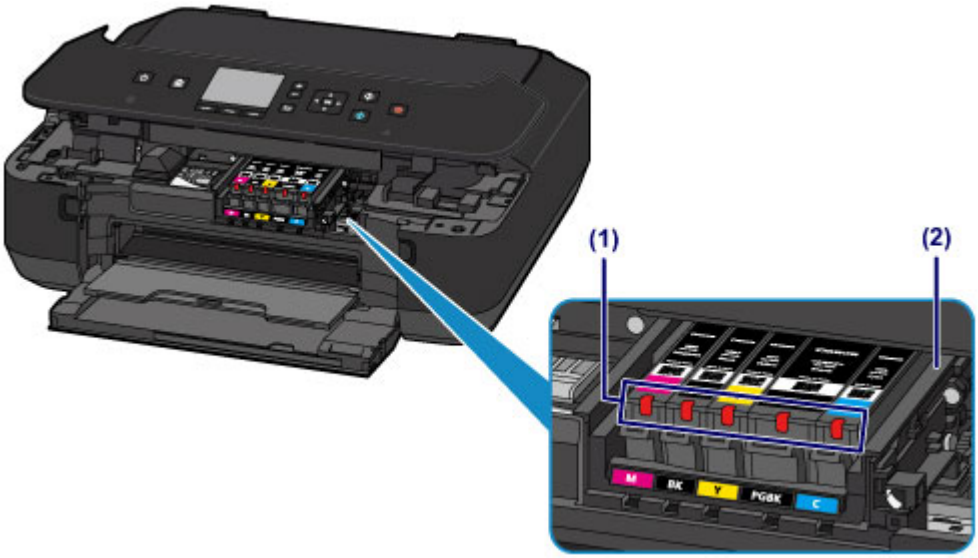
(3) USB port

Plug in the USB cable to connect the machine with a computer.

Important

- Do not touch the metal casing.
- Do not plug in or unplug the USB cable while the machine is printing or scanning originals with the computer.

Inside View



(1) ink lamps

Lights or flashes to indicate the ink tank status.

Checking the Ink Status with the Ink Lamps

(2) print head holder

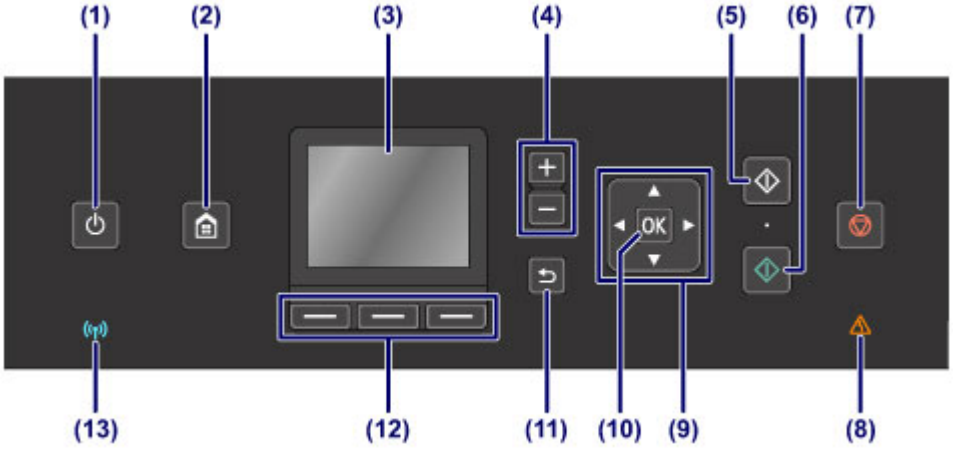
The print head is pre-installed.

Note

- For details on replacing an ink tank, see Replacing an Ink Tank.

Operation Panel

* All lamps on the operation panel are shown lit in the figure below for explanatory purposes.



(1) ON button/POWER lamp

Turns the power on or off. Lights after flashing when the power is turned on. Before turning on the power, make sure that the document cover is closed.

Turning the Machine On and Off

(2) HOME button

Used to display the **HOME** screen.

LCD and Operation Panel

(3) LCD (Liquid Crystal Display)

Displays messages, menu items, and the operational status.

(4) + - buttons

Specifies the number of copies to copy or print.

(5) Black button

Starts black & white copying, scanning, etc.

(6) Color button

Starts color copying, scanning, etc.

(7) Stop button

Cancels operation when print, copy, or scan job is in progress.

(8) Alarm lamp

Lights or flashes when an error occurs.

(9) ▲, ▼, ◄, and ► buttons

Used to select a menu or setting item.

LCD and Operation Panel

(10) OK button

Finalizes the selection of a menu or setting item. This button is also used to resolve an error.

(11) Back button

Returns the LCD to the previous screen.

(12) Function buttons

Used to select menus on the **HOME** screen or select a function menu displayed at the bottom of the LCD.

Using the Function Buttons

(13) Wi-Fi lamp

Lights or flashes to indicate the wireless LAN status.

Lights:

Wireless LAN connection is enabled.

Flashes:

Printing or scanning over wireless LAN. Also flashes while configuring the wireless LAN connection.

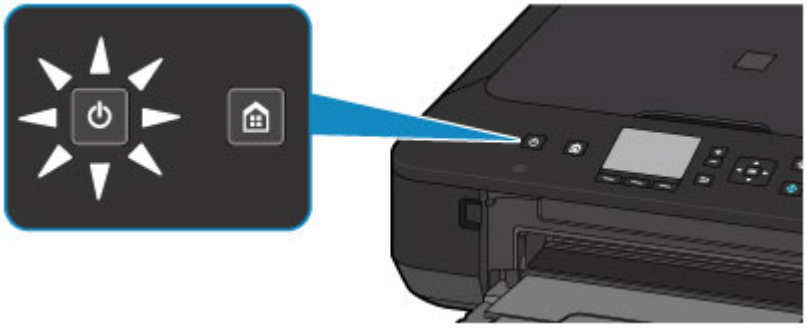
About the Power Supply of the Machine

- Confirming that the Power Is On
- Turning the Machine On and Off
- Notice for the Power Plug/Power Cord
- Notice for Unplugging the Power Cord

Confirming that the Power Is On

The **POWER** lamp is lit when the machine is turned on.

Even if the LCD is off, if the **POWER** lamp is lit, the machine is on.



Note

- It may take a while for the machine to start printing immediately after you turn on the machine.
- The LCD will turn off if the machine is not operated for about 5 minutes. To restore the display, press any button except the **ON** button or perform the print operation. You cannot change the wait time before the LCD turns off.

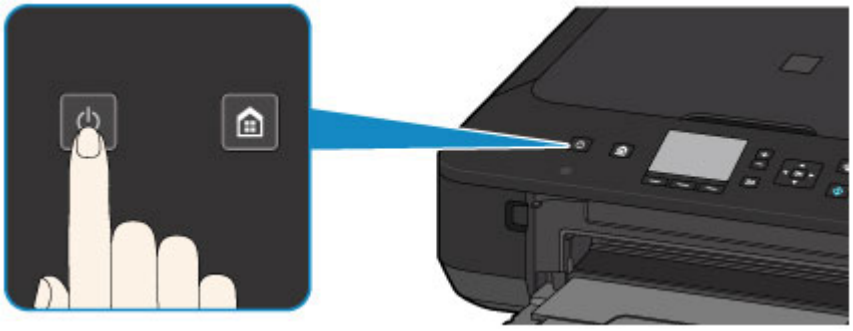
Turning the Machine On and Off

Turning on the machine

1. Press the **ON** button to turn on the machine.

   The **POWER** lamp flashes and then remains lit.

   Confirming that the Power Is On



Note

- It may take a while for the machine to start printing immediately after you turn on the machine.
- If the **Alarm** lamp lights up or flashes and an error message is displayed on the LCD, see A Message Is Displayed.
- You can set the machine to automatically turn on when a print or scan operation is performed from a computer connected by USB cable or wireless network. This feature is set to off by default. For details on the auto power on feature, see below.

  From the machine

  About ECO settings

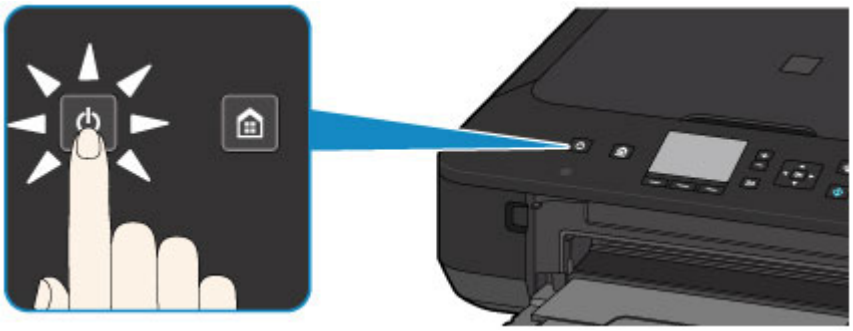
  From the computer

  Managing the Printer Power

Turning off the machine

1. Press the **ON** button to turn off the machine.

   When the **POWER** lamp stops flashing, the machine is turned off.



Important

- When you unplug the power cord after turning off the machine, be sure to confirm that the **POWER** lamp is off.

Note

- You can set the machine to automatically turn off when no operations are performed or no print jobs are sent to the machine for a certain interval. This is the default setting. For details on the auto power off feature, see below.

  From the machine

  About ECO settings

  From the computer

  Managing the Printer Power

Notice for the Power Plug/Power Cord

Unplug the power cord once a month to confirm that the power plug/power cord does not have anything unusual described below.

- The power plug/power cord is hot.
- The power plug/power cord is rusty.
- The power plug/power cord is bent.
- The power plug/power cord is worn.
- The power plug/power cord is split.

⚠ Caution

- If you find anything unusual with the power plug/power cord described above, unplug the power cord and call for service. Using the machine with one of the unusual conditions above may cause a fire or an electric shock.

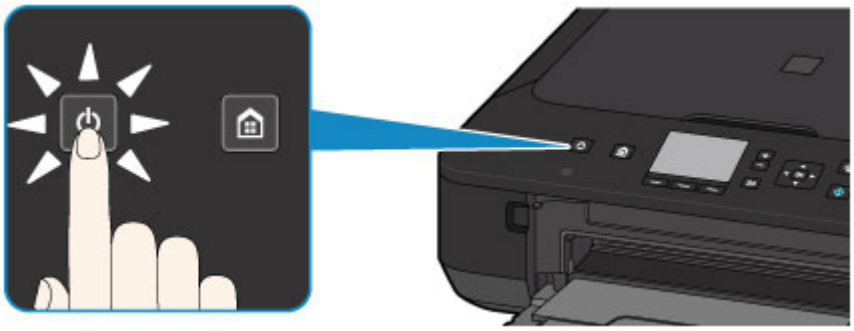
Notice for Unplugging the Power Cord

To unplug the power cord, follow the procedure below.

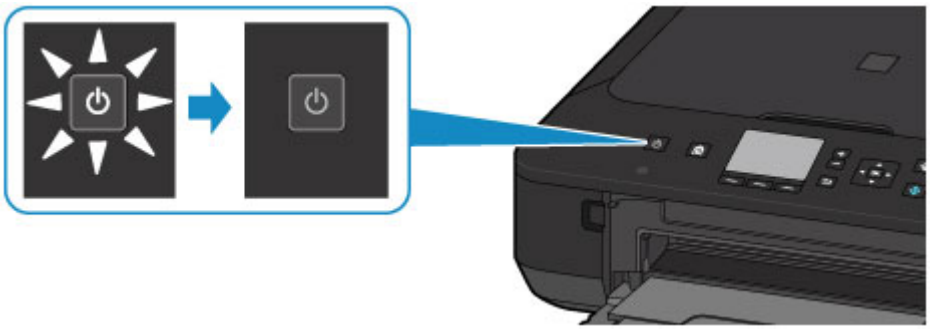
Important

- When you unplug the power cord, press the **ON** button, then confirm that the **POWER** lamp is off. Unplugging the power cord while the **POWER** lamp is lit or flashing may cause drying or clogging of the print head and print quality may be reduced.

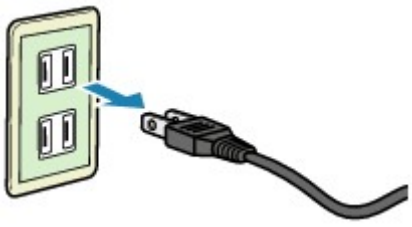
1. Press the **ON** button to turn the machine off.



2. Confirm that the **POWER** lamp is off.



3. Unplug the power cord.



The specification of the power cord differs depending on the country or region of use.

LCD and Operation Panel

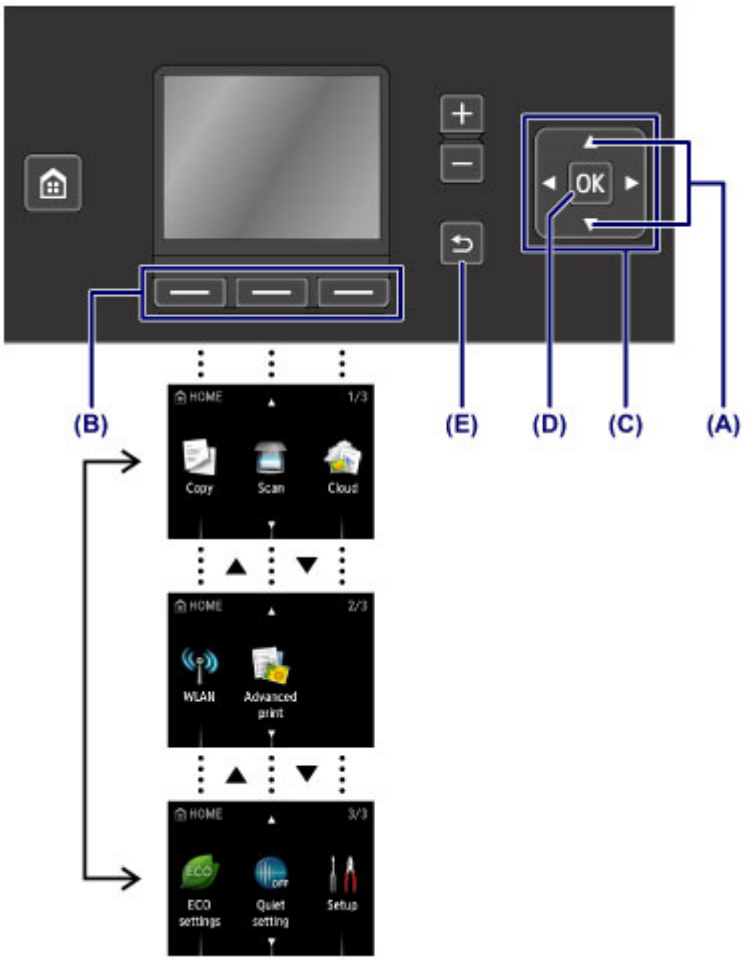
You can select the function such as copy or scan from the **HOME** screen on the LCD.

The **HOME** screen consists of three screens. You can use the ▲ or ▼ button (A) to switch between them.

To select a menu, press the left, center, or right **Function** button (B).

On the menu screen or settings screen, use the ▲, ▼, ◄, or ► button (C) to select an item or option, then press the **OK** button (D) to proceed with the procedure.

To return to the previous screen, press the **Back** button (E).

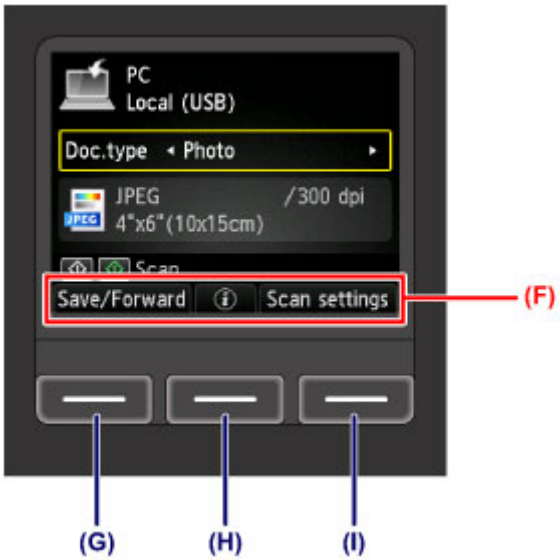


Using the Function Buttons

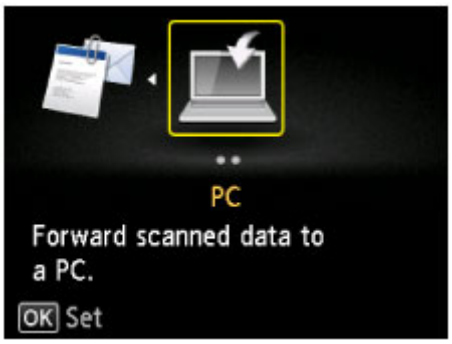
Function menu (F) will appear when required at the bottom of the LCD screen. To use a function in a function menu, press the corresponding **Function** button (G), (H), or (I).

The number of function menus and their options vary depending on the screen. Check the function menus displayed at the bottom of the screen, then select the one desired.

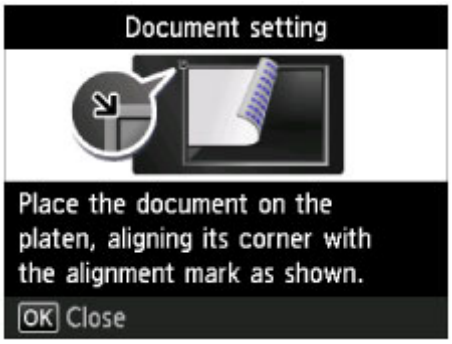
Example: The screen in **Scan**



(G) Press the left **Function** button to select **Save/Forward**. The screen for selecting destinations to save or forward the scanned photo data will appear.



(H) Press the center **Function** button. The **Document setting** screen will appear.



(I) Press the right **Function** button to select **Scan settings**. The scan settings screen will appear.

Loading Paper / Originals

- Loading Paper
- Loading Originals

Loading Paper

- Loading Plain Paper / Photo Paper
- Loading Envelopes
- Media Types You Can Use
- Media Types You Cannot Use
- Printing Area

Loading Plain Paper / Photo Paper

You can load plain paper or photo paper.

Important

- If you cut plain paper into small size such as 4" x 6" (10 x 15 cm) or 5" x 7" (13 x 18 cm) to perform trial print, it can cause paper jams.

Note

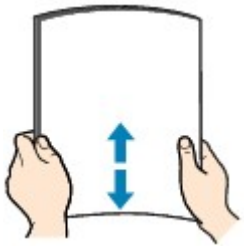
- We recommend Canon genuine photo paper for printing photos.

  For details on the Canon genuine paper, see Media Types You Can Use.
- You can use general copy paper.

  For the page size and paper weight you can use for this machine, see Media Types You Can Use.

1. Prepare paper.

   Align the edges of paper. If paper is curled, flatten it.

   ### Note

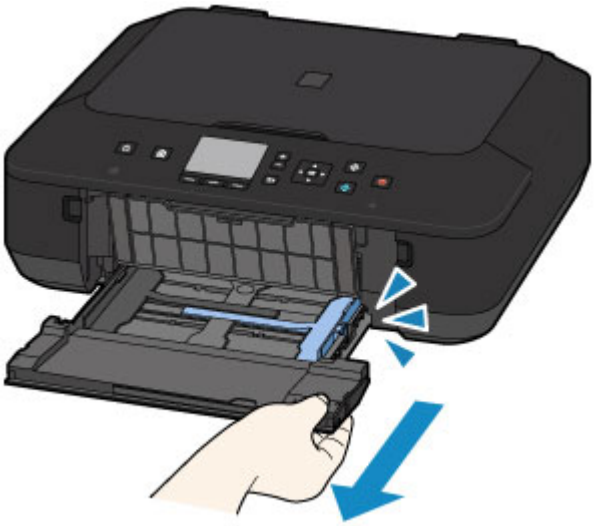
   - Align the edges of paper neatly before loading. Loading paper without aligning the edges may cause paper jams.
   - If paper is curled, hold the curled corners and gently bend them in the opposite direction until the paper becomes completely flat.

     For details on how to flatten curled paper, see "Load the paper after correcting its curl." in Paper Is Smudged/Printed Surface Is Scratched.
   - When using Photo Paper Plus Semi-gloss SG-201, even if the sheet is curled, load one sheet at a time as it is. If you roll up this paper to flatten, this may cause cracks on the surface of the paper and reduce the print quality.

2. Load paper.

   1. Open the front cover gently.

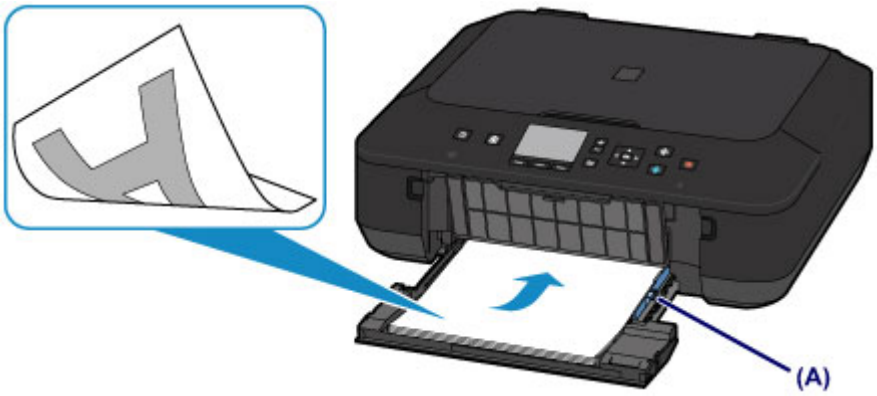
2. Holding the right tab on the front cover, pull out the cassette until it stops.



3. Use the right paper guide (A) to slide both paper guides all the way out.

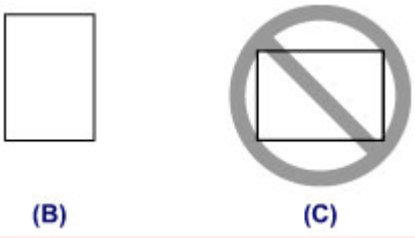
4. Load the paper in the center of the cassette WITH THE PRINT SIDE FACING DOWN.

   Push the paper stack all the way to the back of the cassette.



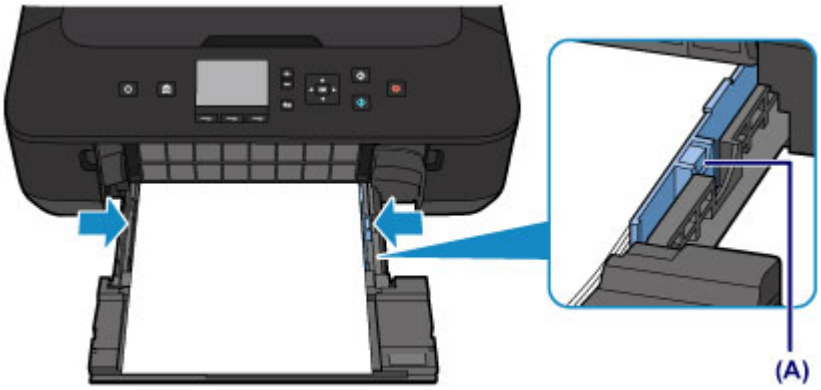
Important

- Always load paper in the portrait orientation (B). Loading paper in the landscape orientation (C) can cause paper jams.



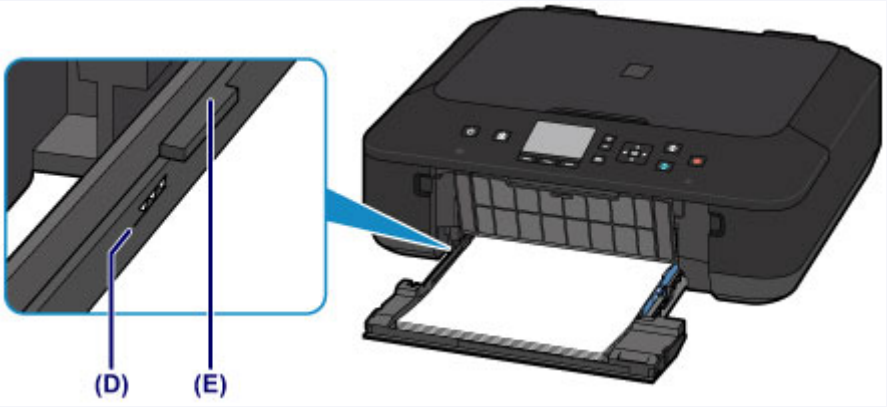
5. Slide the right paper guide (A) to align the paper guides with both sides of the paper stack.

   Do not slide the paper guides too hard against the paper. The paper may not be fed properly.



Note

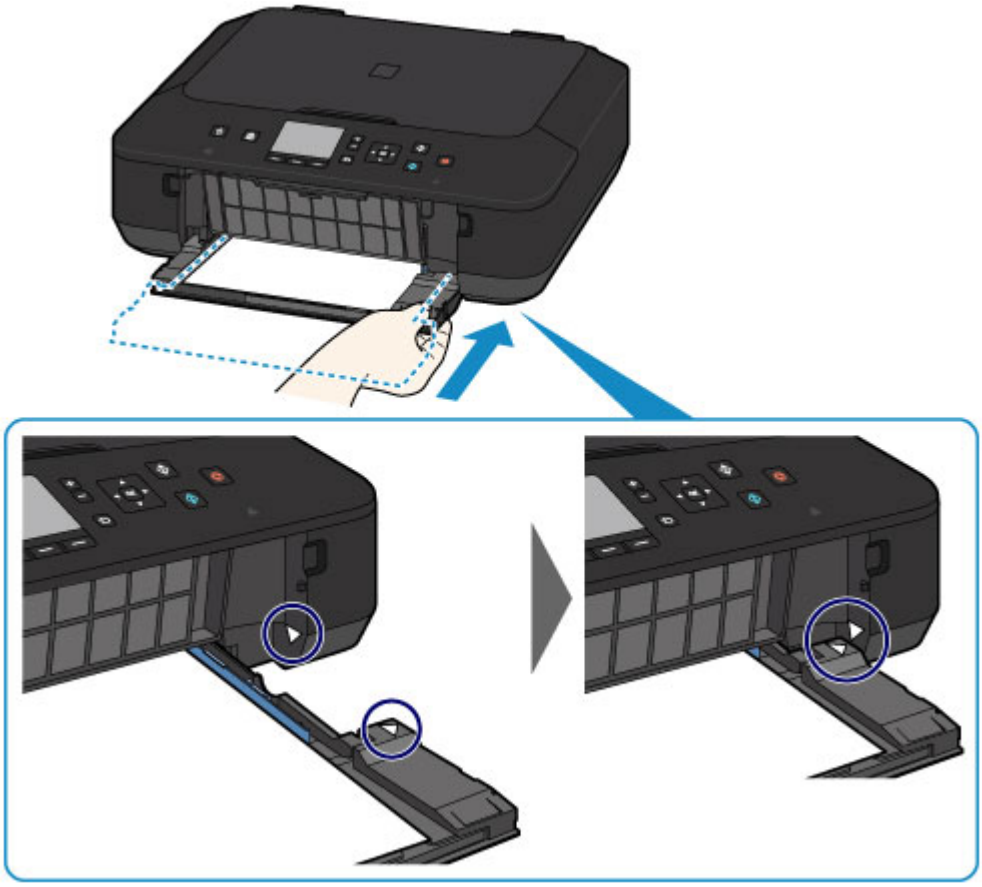
- Do not load sheets of paper higher than the load limit mark (D).
- Keep the paper stack height below the tabs (E) of the paper guides.



- Load small size paper, such as 4" x 6" (10 x 15 cm), by pushing it in all the way to the back of the cassette.

6. Holding the right tab on the front cover, push the cassette back until the arrow (▷) on the front cover is aligned with the arrow (◁) on the machine.

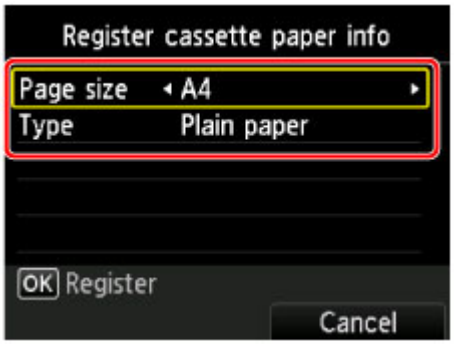
   After pushing the cassette back, the paper information registration screen is displayed on the LCD.



7. Select the size and type of the loaded paper in the cassette at **Page size** and **Type**, then press the **OK** button.

   If a message is displayed on the screen, follow the directions in the message to complete registration.

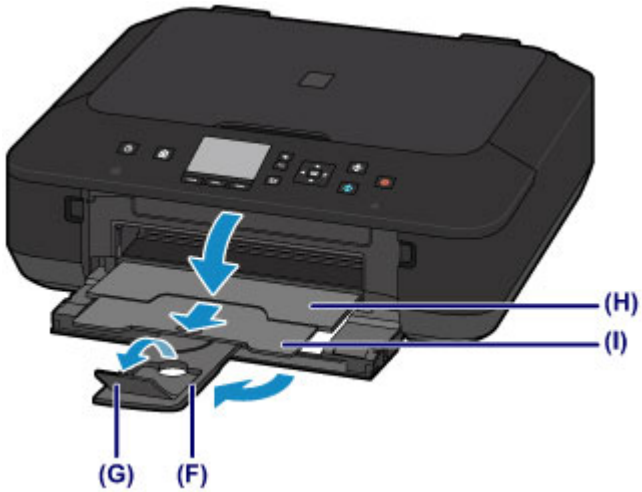
   Paper setting for Printing



3. Open the paper output tray.

   1. Extend the paper support (F), then open the output tray extension (G).

   2. Open the paper output tray (H) gently, then extend the paper output support (I).



Important

- Be sure to open the paper output tray when printing. If not open, the machine cannot start printing.

Note

- When printing, select the size and type of the loaded paper on the print settings screen of the operation panel or printer driver.

Loading Envelopes

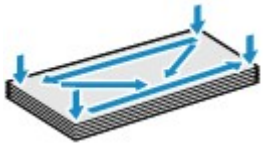
You can load Envelope DL and Envelope Com 10.

The address is automatically rotated and printed according to the envelope's direction by specifying with the printer driver properly.

Important

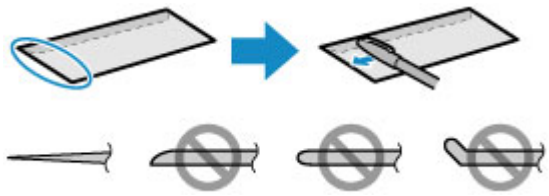
- Printing of envelopes from the operation panel or from a digital camera is not supported.
- Do not use the following envelopes. They could jam in the machine or cause the machine to malfunction.
  - Envelopes with an embossed or treated surface
  - Envelopes with a double flap
  - Envelopes whose gummed flaps are already moistened and adhesive

1. Prepare envelopes.
   - Press down on all four corners and edges of the envelopes to flatten them.



   - If the envelopes are curled, hold the opposite corners and gently twist them in the opposite direction.

   - If the corner of the envelope flap is folded, flatten it.
   - Use a pen to press the leading edge in the inserting direction flat and sharpen the crease.



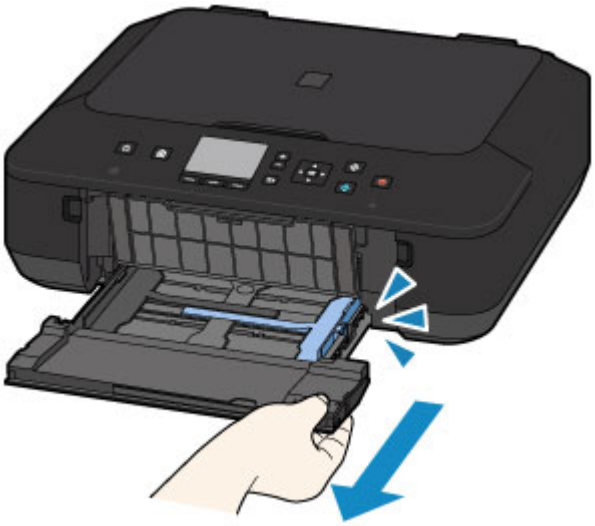
   The figures above show a side view of the leading edge of the envelope.

   Important

   - The envelopes may jam in the machine if they are not flat or the edges are not aligned. Make sure that no curl or puff exceeds 0.1 inch (3 mm).

2. Load envelopes.
   1. Open the front cover gently.

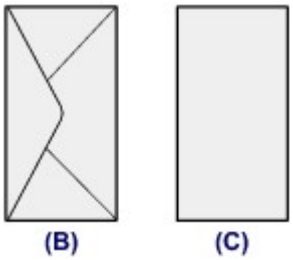
2. Holding the right tab on the front cover, pull out the cassette until it stops.



3. Use the right paper guide (A) to slide both paper guides all the way out.

4. Load the envelopes in the center of the cassette WITH THE ADDRESS SIDE FACING DOWN.

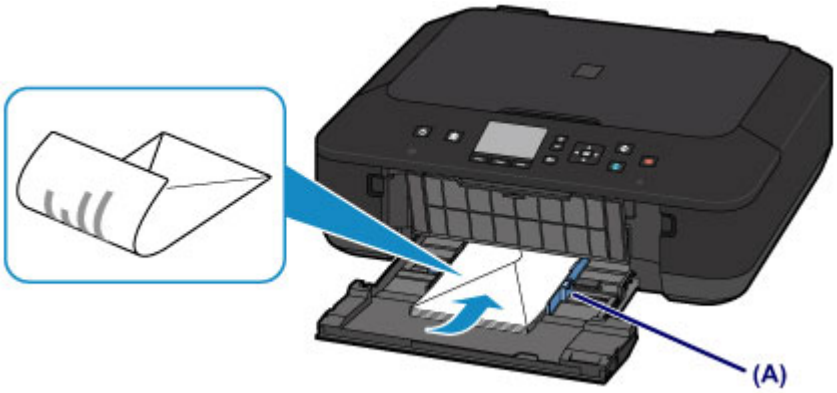
   The folded flap of the envelope will be faced up on the left side.



   (B) Rear side
   (C) Address side

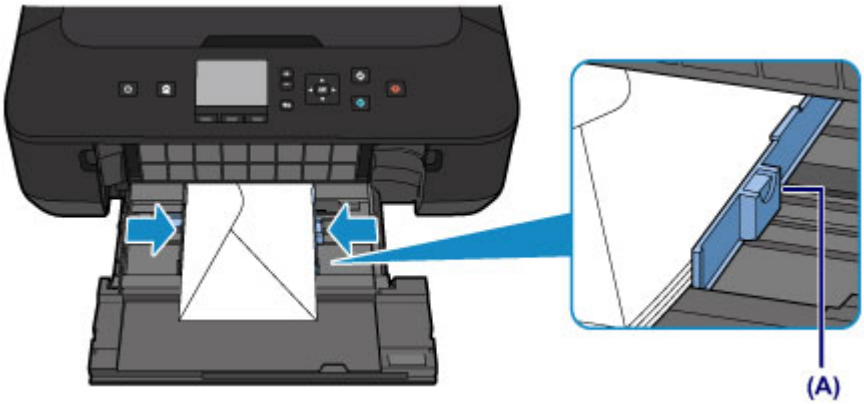
   Push the envelopes all the way to the back of the cassette.

   Up to 5 envelopes can be loaded at once.



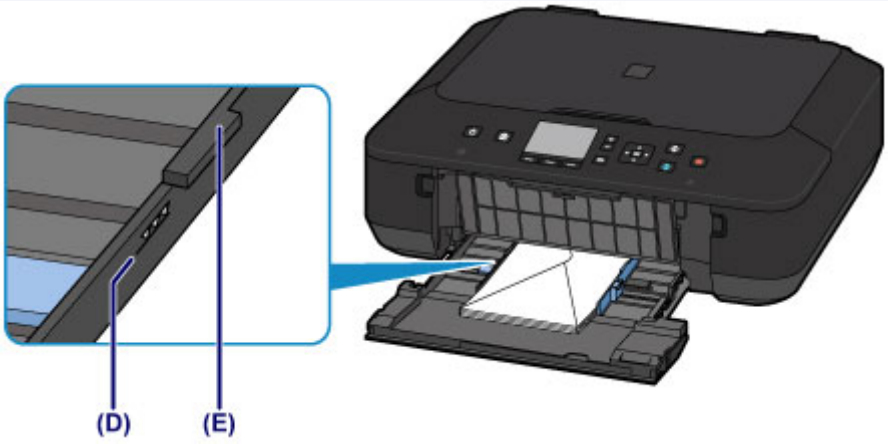
5. Slide the right paper guide (A) to align the paper guides with both sides of the envelopes.

   Do not slide the paper guides too hard against the envelopes. The envelopes may not be fed properly.



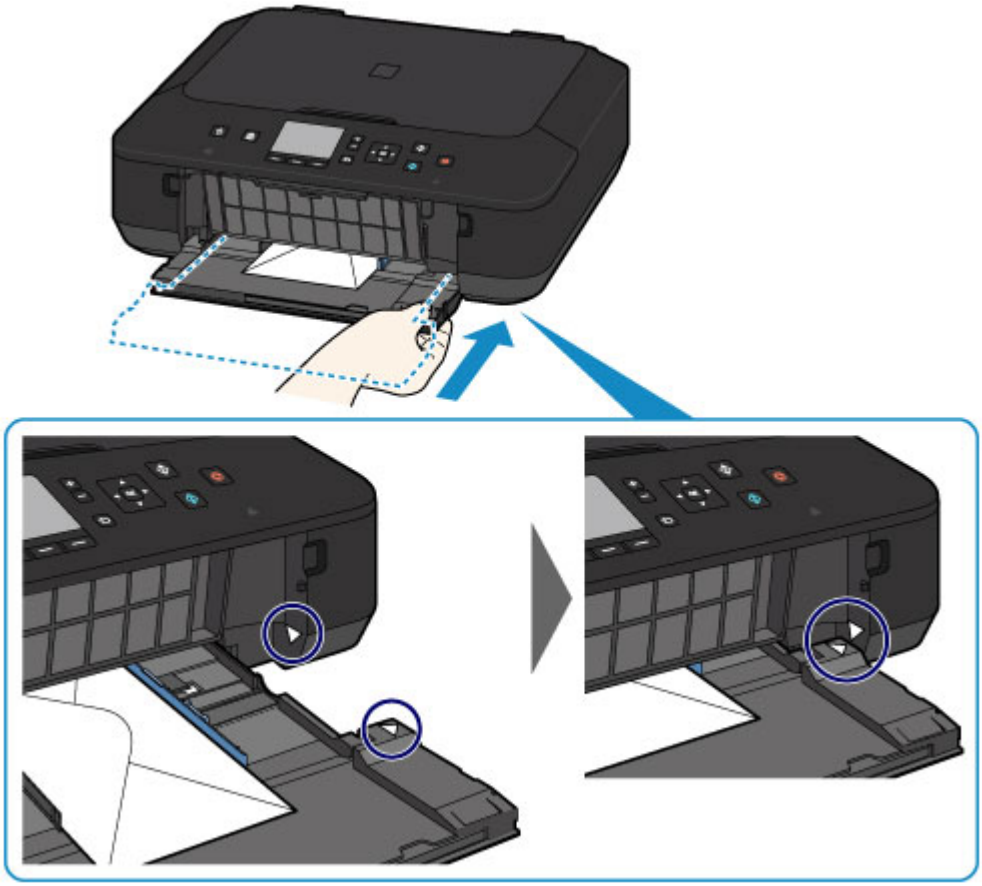
Note

- Do not load envelopes higher than the load limit mark (D).
- Keep the envelope stack height below the tabs (E) of the paper guides.



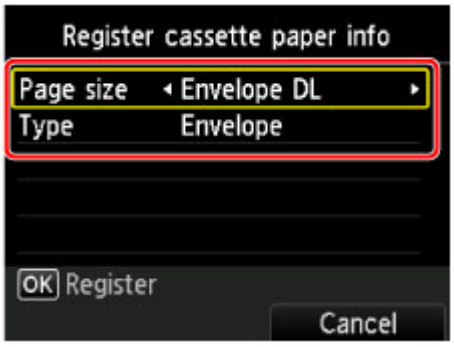
6. Holding the right tab on the front cover, push the cassette back until the arrow (▷) on the front cover is aligned with the arrow (◁) on the machine.

   After pushing the cassette back, the paper information registration screen is displayed on the LCD.



7. Select the size and type of the loaded envelopes in the cassette at **Page size** and **Type**, then press the **OK** button.

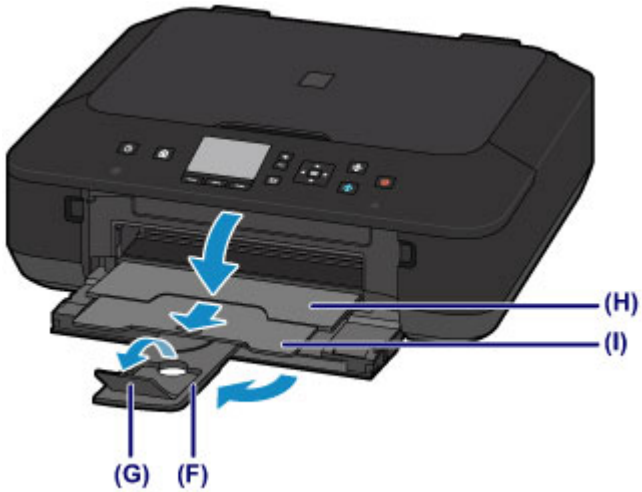
   Paper setting for Printing



3. Open the paper output tray.

   1. Extend the paper support (F), then open the output tray extension (G).

   2. Open the paper output tray (H) gently, then extend the paper output support (I).



Important

- Be sure to open the paper output tray when printing. If not open, the machine cannot start printing.

Note

- When printing, select the size and type of the loaded envelopes on the print settings screen of the printer driver.

Media Types You Can Use

Choose paper suitable for printing, for the best print results. Canon provides you various types of paper to enhance the fun of printing, such as stickers as well as papers for photo or document. We recommend the use of Canon genuine paper for printing your important photos.

Media Types

Commercially available papers

- Plain Paper (including recycled paper)
- Envelopes*1

Canon genuine papers

The Model Number of Canon genuine paper is shown in brackets. Refer to the instruction manual supplied with the paper for detailed information on the printable side and notes on handling paper. For information on the page sizes available for each Canon genuine paper, access our website.

Note

- You may not be able to purchase some Canon genuine papers depending on the country or region of purchase. Paper is not sold in the US by Model Number. Purchase paper by name.

Paper for printing photos:

- Photo Paper Pro Platinum <PT-101>
- Glossy Photo Paper "Everyday Use" <GP-501/GP-601>
- Photo Paper Glossy <GP-601>
- Photo Paper Plus Glossy II <PP-201>
- Photo Paper Pro Luster <LU-101>
- Photo Paper Plus Semi-gloss <SG-201>
- Matte Photo Paper <MP-101>

Paper for printing business documents:

- High Resolution Paper <HR-101N>*1

Paper for creating your own prints:

- T-Shirt Transfers <TR-301>*1
- Photo Stickers <PS-101>

*1 Printing to this paper from the operation panel or from a digital camera is not supported.

- Paper Load Limit
- Paper Settings on the Printer Driver and the Printer (Media Type)

Note

- When printing photos saved on a PictBridge compliant device, you must specify the page size and media type.

  - Printing from a Digital Camera

Page Sizes

You can use the following page sizes.

Note

- Printing on the following page sizes from the operation panel or from a digital camera is not supported.
  - Legal and Envelopes

Standard sizes:

- Letter
- Legal
- A5
- A4
- B5
- 4" x 6" (10 x 15 cm)
- 5" x 7" (13 x 18 cm)
- 8" x 10" (20 x 25 cm)
- Envelope DL
- Envelope Com 10

Non-standard sizes:

You can print on non-standard size paper within the following ranges.

- Minimum size: 3.50 x 5.00 inches (89.0 x 127.0 mm)
- Maximum size: 8.50 x 14.00 inches (215.9 x 355.6 mm)

Paper Weight

You can use paper in the following weight range.

- 17 to 28 lb (64 to 105 g /m^2) (plain paper except for Canon genuine paper)

Do not use heavier or lighter paper (except for Canon genuine paper), as it could jam in the machine.

Notes on Storing Paper

- Take out only the necessary number of paper from the package, just before printing.
- To avoid curling, when you do not print, put unused paper back into the package and keep it on a level surface. And also, store it avoiding heat, humidity, and direct sunlight.

Paper Load Limit

Commercially Available Papers

Media Name	Cassette	Paper Output Tray
Plain Paper (including recycled paper)*1	Approx. 100 sheets (10 sheets: Legal)	Approx. 50 sheets (10 sheets: Legal)
Envelopes	5 envelopes	*2

Canon Genuine Papers

Note

- We recommend that you remove the previously printed sheet from the paper output tray before continuously printing to avoid blurs and discoloration (except for High Resolution Paper <HR-101N>).

Paper for printing photos:

Media Name <Model No.>	Cassette
Photo Paper Pro Platinum <PT-101>*3	10 sheets: A4, Letter, and 8" x 10" (20 x 25 cm) 20 sheets: 4" x 6" (10 x 15 cm)
Glossy Photo Paper "Everyday Use" <GP-501/GP-601>*3	10 sheets: A4 and Letter 20 sheets: 4" x 6" (10 x 15 cm)
Photo Paper Glossy <GP-601>*3	10 sheets: A4 and Letter 20 sheets: 4" x 6" (10 x 15 cm)
Photo Paper Plus Glossy II <PP-201>*3	10 sheets: A4, Letter, 5" x 7" (13 x 18 cm), and 8" x 10" (20 x 25 cm) 20 sheets: 4" x 6" (10 x 15 cm)
Photo Paper Pro Luster <LU-101>*3	10 sheets: A4 and Letter
Photo Paper Plus Semi-gloss <SG-201>*3	10 sheets: A4, Letter, 5" x 7" (13 x 18 cm), and 8" x 10" (20 x 25 cm) 20 sheets: 4" x 6" (10 x 15 cm)
Matte Photo Paper <MP-101>	10 sheets: A4 and Letter 20 sheets: 4" x 6" (10 x 15 cm)

Paper for printing business documents:

Media Name <Model No.>	Cassette	Paper Output Tray
High Resolution Paper <HR-101N>	65 sheets	50 sheets

Paper for creating your own prints:

Media Name <Model No.>	Cassette
T-Shirt Transfers <TR-301>	1 sheet
Photo Stickers <PS-101>	1 sheet

*1 Proper feeding of paper may not be possible at the maximum capacity depending on the type of paper or environmental conditions (either very high or low temperature or humidity). In such cases, reduce the number of paper you load at a time to less than half.
*2 We recommend that you remove the previously printed envelope from the paper output tray before continuously printing to avoid blurs and discoloration.
*3 When loading paper in stacks, the print side may become marked as it is fed or paper may not feed properly. In this case, load one sheet at a time.

Media Types You Cannot Use

Do not use the following types of paper. Using such paper will cause not only unsatisfactory results, but also the machine to jam or malfunction.

- Folded, curled, or wrinkled paper
- Damp paper
- Paper that is too thin (weighing less than 17 lb (64 g /m^2))
- Paper that is too thick (plain paper weighing more than 28 lb (105 g /m^2), except for Canon genuine paper)
- Paper thinner than a postcard, including plain paper or notepad paper cut to a small size (when printing on paper smaller than A5)
- Picture postcards
- Postcards affixed with photos or stickers
- Envelopes with a double flap
- Envelopes with an embossed or treated surface
- Envelopes whose gummed flaps are already moistened and adhesive
- Any type of paper with holes
- Paper that is not rectangular
- Paper bound with staples or glue
- Paper with adhesives
- Paper decorated with glitter, etc.

Printing Area

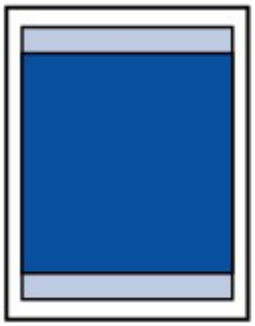
- Printing Area
- Other Sizes than Letter, Legal, Envelopes
- Letter, Legal
- Envelopes

Printing Area

To ensure the best print quality, the machine allows a margin along each edge of media. The actual printable area will be the area inside these margins.

Recommended printing area : Canon recommends that you print within this area.

Printable area : The area where it is possible to print. However, printing in this area can affect the print quality or the paper feed precision.



Note

- With performing Automatic Duplex Printing and Duplex (Two-sided) Copying, the printable area will be 0.08 inch (2 mm) smaller at the top margin.
- When performing borderless copying or borderless printing from a printed photo, select **Extended copy amount** in **Print settings** of **Device settings** to specify the amount of images that extends off the paper.

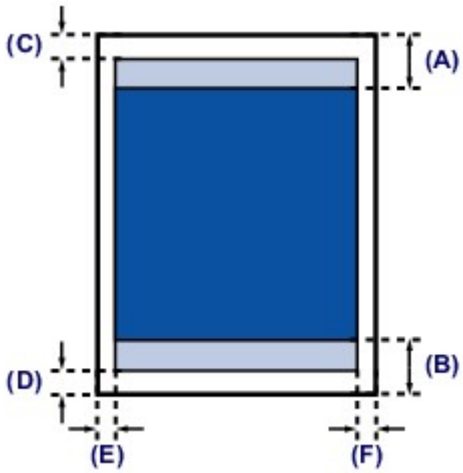
  Print settings
- By selecting Borderless Printing option, you can make prints with no margins.
- When performing Borderless Printing, slight cropping may occur at the edges since the printed image is enlarged to fill the whole page.
- For Borderless Printing, use the following paper:
  - Photo Paper Pro Platinum <PT-101>
  - Glossy Photo Paper "Everyday Use" <GP-501/GP-601>
  - Photo Paper Glossy <GP-601>
  - Photo Paper Plus Glossy II <PP-201>
  - Photo Paper Pro Luster <LU-101>
  - Photo Paper Plus Semi-gloss <SG-201>
  - Matte Photo Paper <MP-101>

  Performing Borderless Printing on any other type of paper may substantially reduce printing quality and/or result in printouts with altered color hues.

  Borderless Printing on plain paper may result in printouts with reduced quality. Use them only for test printing. Borderless Printing onto plain paper from the operation panel or from a digital camera is not supported.
- Borderless Printing is not available for legal, A5, or B5 sized paper, or envelopes.
- Depending on the type of paper, Borderless Printing may reduce the print quality at the top and bottom edges of the paper or cause these parts to become smudged.

Other Sizes than Letter, Legal, Envelopes

Size	Printable Area (width x height)
A5	5.56 x 7.95 inches (141.2 x 202.0 mm)
A4	8.00 x 11.38 inches (203.2 x 289.0 mm)
B5	6.90 x 9.80 inches (175.2 x 249.0 mm)
4" x 6" (10 x 15 cm)	3.73 x 5.69 inches (94.8 x 144.4 mm)
5" x 7" (13 x 18 cm)	4.73 x 6.69 inches (120.2 x 169.8 mm)
8" x 10" (20 x 25 cm)	7.73 x 9.69 inches (196.4 x 246.0 mm)



Recommended printing area

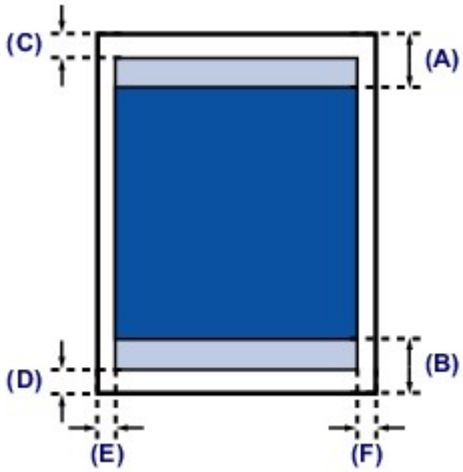
(A) 1.70 inches (43.3 mm)
(B) 1.47 inches (37.4 mm)

Printable area

(C) 0.12 inch (3.0 mm)
(D) 0.20 inch (5.0 mm)
(E) 0.13 inch (3.4 mm)
(F) 0.13 inch (3.4 mm)

Letter, Legal

Size	Printable Area (width x height)
Letter	8.00 x 10.69 inches (203.2 x 271.4 mm)
Legal	8.00 x 13.69 inches (203.2 x 347.6 mm)



Recommended printing area

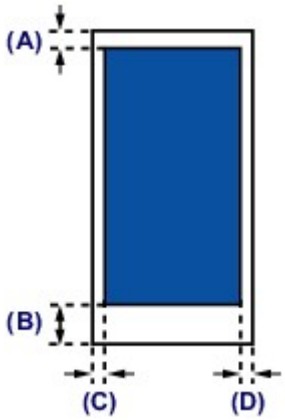
(A) 1.70 inches (43.3 mm)
(B) 1.47 inches (37.4 mm)

Printable area

(C) 0.12 inch (3.0 mm)
(D) 0.20 inch (5.0 mm)
(E) 0.25 inch (6.4 mm)
(F) 0.25 inch (6.3 mm)

Envelopes

Size	Recommended Printing Area (width x height)
Envelope DL	3.88 x 7.06 inches (98.8 x 179.5 mm)
Envelope Com 10	3.68 x 7.90 inches (93.5 x 200.8 mm)



Recommended printing area

(A) 0.31 inch (8.0 mm)
(B) 1.28 inches (32.5 mm)
(C) 0.22 inch (5.6 mm)
(D) 0.22 inch (5.6 mm)

Loading Originals

- Loading Originals on the Platen Glass
- How to Load Originals for Each Function
- Originals You Can Load
- How to Detach / Attach the Document Cover

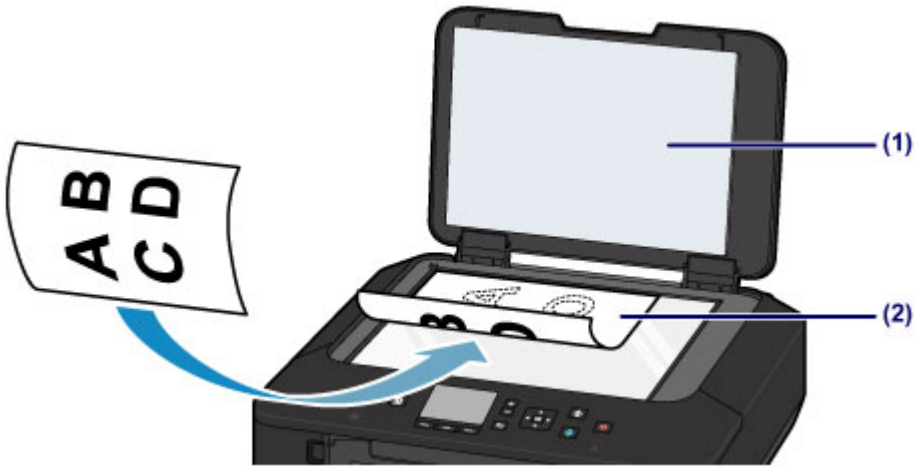
Loading Originals on the Platen Glass

1. Load an original on the platen glass.

    1. Open the document cover.

    2. Load the original WITH THE SIDE TO SCAN FACING DOWN on the platen glass.

        - Originals You Can Load
        - How to Load Originals for Each Function



Important

- Be sure to observe the following when loading the original on the platen glass.
    - Do not place any objects weighing 4.4 lb (2.0 kg) or more on the platen glass.
    - Do not put any pressure of 4.4 lb (2.0 kg) or more on the platen glass, such as pressing down the original.

  Failure to observe the above may cause the scanner to malfunction or the platen glass to break.

2. Close the document cover gently.

Important

- After loading the original on the platen glass, be sure to close the document cover before starting to copy or scan.

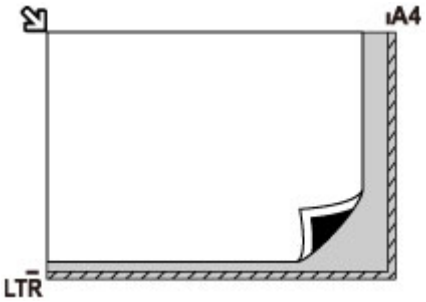
How to Load Originals for Each Function

Load the original in the correct position according to the function to use. If you do not load the original correctly, it may not be scanned properly.

Loading the Original to Be Aligned with the alignment mark

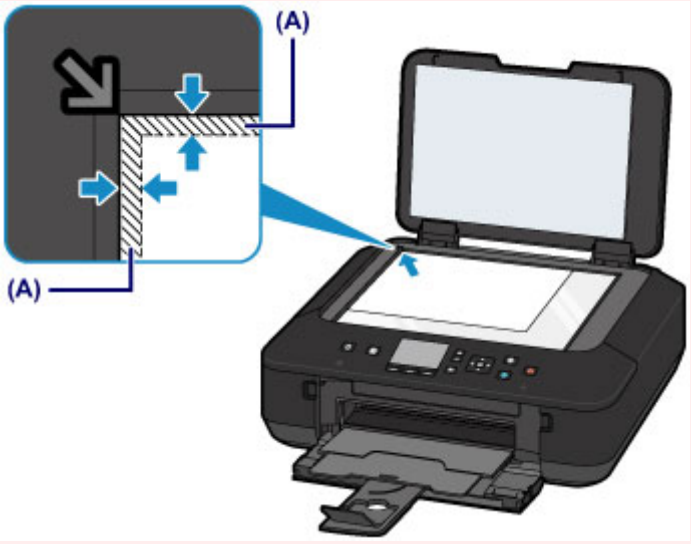
- Load originals to copy
- In **Scan**,
  - select **Auto scan** for **Doc.type** to scan text documents, magazines, or newspapers
  - select **Document** or **Photo** for **Doc.type** and specify a standard size (A4, Letter, etc.) for **Scan size** to scan originals
- With a software application on a computer,
  - scan text documents, magazines, or newspapers
  - select a standard size (A4, Letter, etc.) to scan originals

Place the original WITH THE SIDE TO SCAN FACING DOWN on the platen glass and align it with the alignment mark . Portions placed on the diagonally striped area cannot be scanned.



Important

- The machine cannot scan the striped area (A) (0.04 inch (1 mm) from the edges of the platen glass).



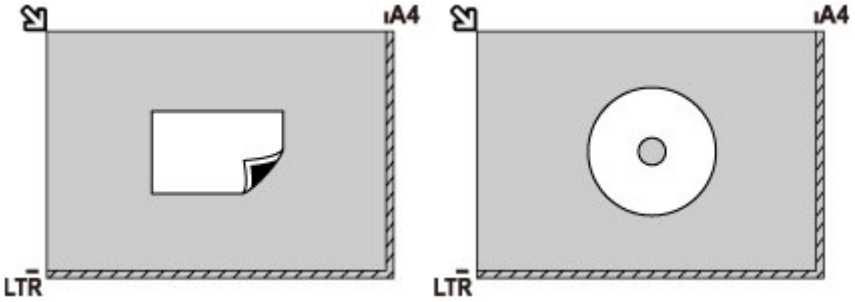
Loading Only One Original in the Center of the platen glass

- Scan only one printed photo in **Photo copy**
- In **Scan**,
  - select **Auto scan** for **Doc.type** to scan one printed photo, postcard, business card, or disc

- select **Photo** for **Doc.type** and specify **Auto scan** for **Scan size** to scan one original

- Scan one printed photo, postcard, business card, or disc with a software application on a computer

Place the original WITH THE SIDE TO SCAN FACING DOWN, with 0.4 inch (1 cm) or more space between the edges (diagonally striped area) of the platen glass. Portions placed on the diagonally striped area cannot be scanned.

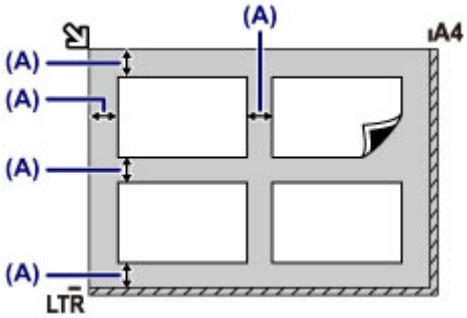


Loading Two or More Originals on the platen glass

- Scan two or more printed photos in **Photo copy**
- In **Scan**,
  - select **Auto scan** for **Doc.type** to scan two or more printed photos, postcards, or business cards
  - select **Photo** for **Doc.type** and specify **Auto multi scan** for **Scan size** to scan two or more originals
- Scan two or more printed photos, postcards, or business cards with a software application on a computer

Place the originals WITH THE SIDE TO SCAN FACING DOWN. Allow 0.4 inch (1 cm) or more space between the edges (diagonally striped area) of the platen glass and the originals, and between the originals. Portions placed on the diagonally striped area cannot be scanned.

You can place up to 12 items.



(A) More than 0.4 inch (1 cm)

Note

- The Skew Correction function automatically compensates for the originals placed at an angle of up to approximately 10 degrees. Slanted photos with a long edge of 7.1 inches (180 mm) or more cannot be corrected.
- Non-rectangular or irregular shaped photos (such as cut out photos) may not be scanned properly.

Originals You Can Load

Item	Details
Types of originals	- Text document, magazine, or newspaper - Printed photo, postcard, business card, or disc (BD/DVD/CD, etc.)
Size (width x height)	Max. 8.5 x 11.7 inches (216 x 297 mm)

Note

- When loading a thick original such as a book on the platen glass, you can load it by removing the document cover from the machine.

  How to Detach / Attach the Document Cover

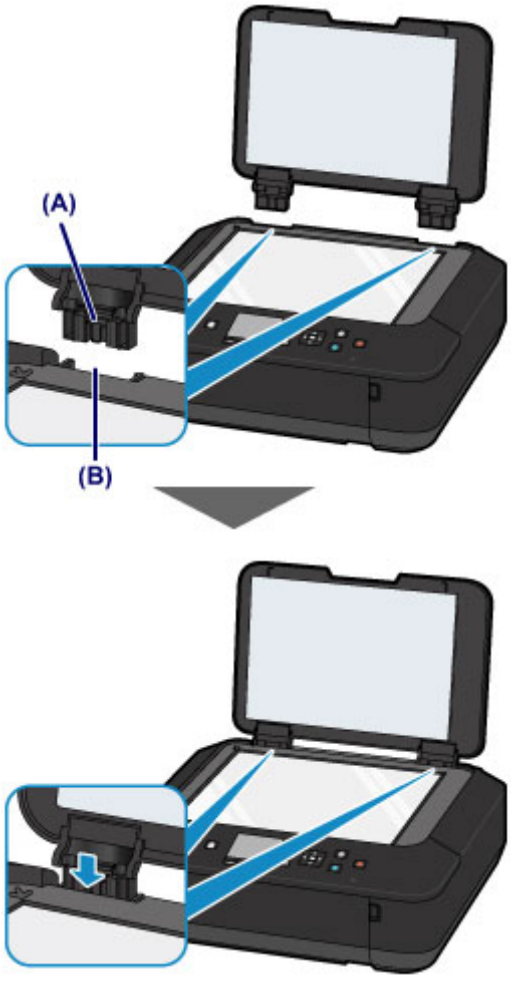
How to Detach / Attach the Document Cover

Detaching the document cover:

Hold up the document cover vertically and then tip it back.

Attaching the document cover:

Fit both hinges (A) of the document cover into the holder (B) and insert both hinges of the document cover vertically as illustrated below.



Replacing an Ink Tank

- Replacing an Ink Tank
- Checking the Ink Status

Replacing an Ink Tank

When remaining ink cautions or errors occur, the message will appear on the LCD to inform you of the error. Take appropriate action according to the message.

A Message Is Displayed

Note

- If print results become faint or white streaks appear despite sufficient ink levels, see Maintenance Procedure.

Replacing Procedure

When you need to replace an ink tank, follow the procedure below.

Important

- If you remove an ink tank, replace it immediately. Do not leave the machine with the ink tank removed.
- Use a new ink tank for replacement. Installing a used ink tank may cause the nozzles to clog. Furthermore, with such an ink tank, the machine will not be able to inform you when to replace the ink tank properly.
- Once an ink tank has been installed, do not remove it from the machine and leave it out in the open. This will cause the ink tank to dry out, and the machine may not operate properly when it is reinstalled. To maintain optimal printing quality, use an ink tank within six months of first use.

Note

- Color ink may be consumed even when printing a black-and-white document or when black-and-white printing is specified.

  Every ink is also consumed in the standard cleaning and deep cleaning of the print head, which may be necessary to maintain the performance of the machine. When an ink tank is out of ink, replace it immediately with a new one.

  Useful Information about Ink

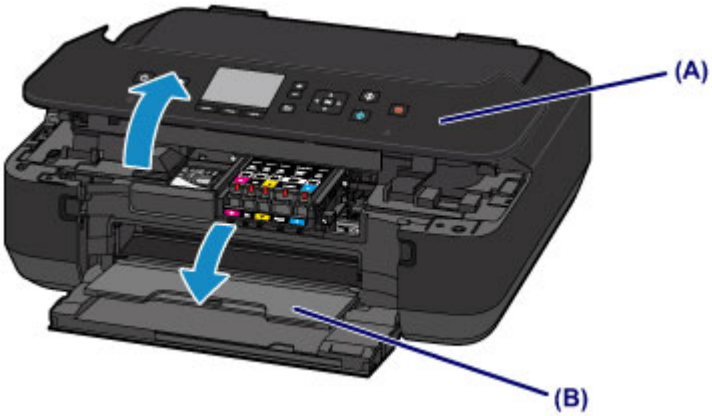
1. Make sure that the power is turned on.

2. Open the front cover.

3. Open the operation panel (A), then open the paper output tray (B).

Open the operation panel (A) until it stops.

The print head holder moves to the replacement position.



⚠ Caution

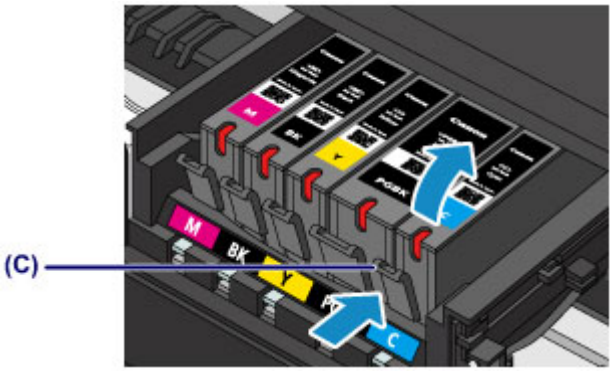
- Do not hold the print head holder to stop or move it forcibly. Do not touch the print head holder until it stops completely.

Important

- When opening or closing the operation panel, do not touch the buttons and LCD on the operation panel. Doing so may result in an unexpected operation.
- Do not touch the metallic parts or other parts inside the machine.
- If the operation panel is left open for more than 10 minutes, the print head holder moves to the right. In this case, close and reopen the operation panel.

4. Remove the ink tank with the lamp flashing fast.

Push the tab (C) and lift the ink tank to remove.



Important

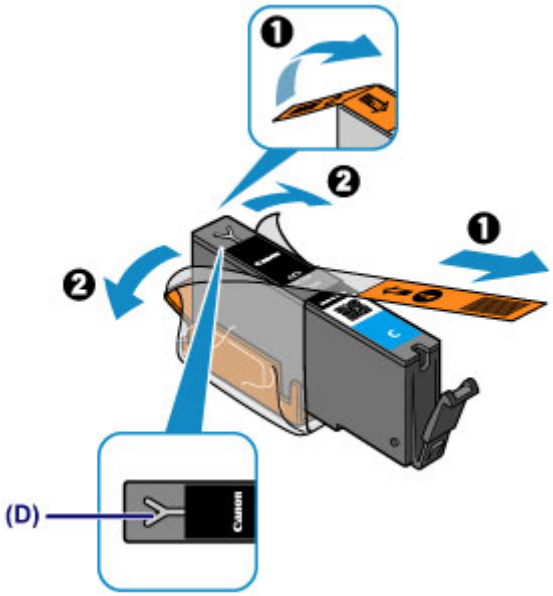
- Do not touch other parts besides the ink tanks.
- Handle the ink tank carefully to avoid staining of clothing or the surrounding area.
- Discard the empty ink tank according to the local laws and regulations regarding disposal of consumables.

Note

- Do not remove two or more ink tanks at the same time. Be sure to replace ink tanks one by one when replacing two or more ink tanks.
- For details on ink lamp flashing speed, see Checking the Ink Status with the Ink Lamps.

5. Prepare a new ink tank.

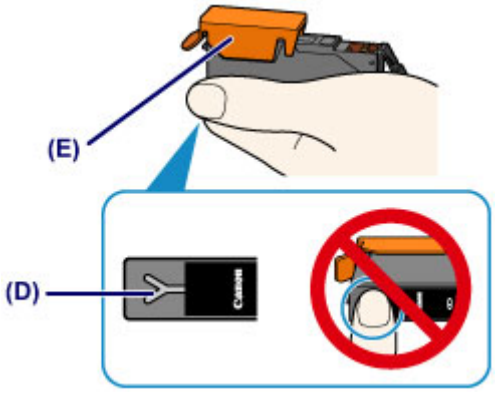
1. Take a new ink tank out of its package, remove the orange tape (❶) completely, then remove the protective film (❷) completely.



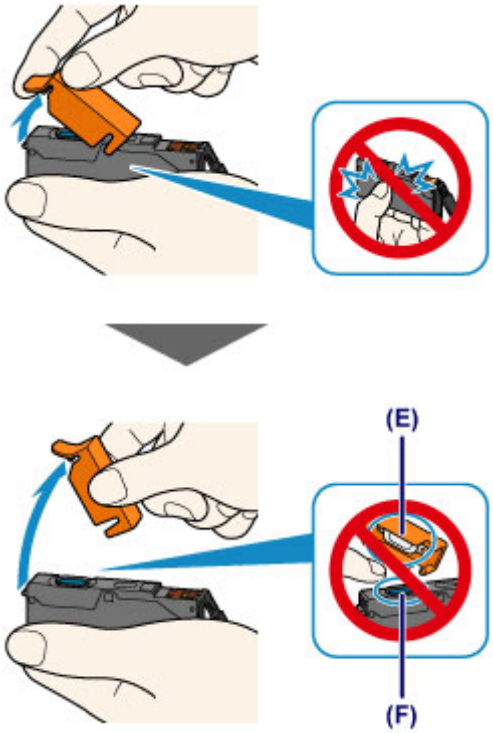
Important

- Handle an ink tank carefully. Do not drop or apply excessive pressure to it.
- If the orange tape remains on the Y-shape air hole (D), ink may splash or the machine may not print properly.

2. Hold the ink tank with the orange protective cap (E) pointing up while being careful not to block the Y-shape air hole (D).



3. Lift up the tab on the orange protective cap (E) to remove it off GENTLY.



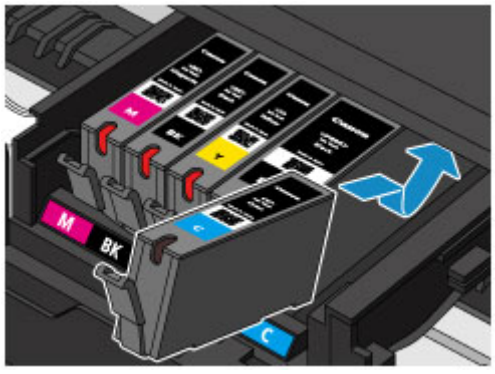
Important

- Do not push the sides of the ink tank. If you push the sides of the ink tank with the Y-shape air hole (D) blocked, ink may splash.
- Do not touch the inside of the orange protective cap (E) or the open ink port (F). The ink may stain your hands if you touch them.
- Do not reattach the protective cap (E) once you have removed it. Discard it according to the local laws and regulations regarding disposal of consumables.

6. Install the new ink tank.

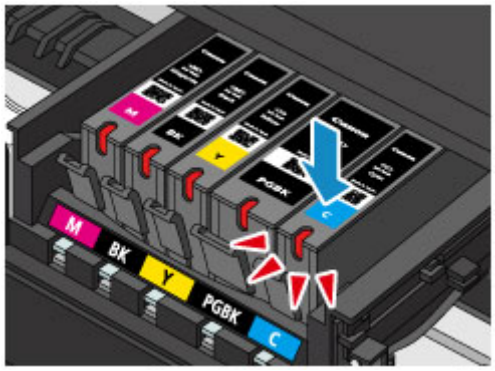
1. Insert the front end of the ink tank into the print head at a slant.

   Make sure that the position of the ink tank matches the label.



2. Press on the top of the ink tank until the ink tank snaps firmly into place.

   Make sure that the ink lamp lights up.



Important

- You cannot print if the ink tank is installed in the wrong position. Be sure to install the ink tank in the correct position according to the label on the print head holder.
- You cannot print unless all the ink tanks are installed. Be sure to install all the ink tanks.

7. Close the operation panel gently.

Caution

- When closing the operation panel, be careful not to get your fingers caught.

Important

- When opening or closing the operation panel, do not touch the buttons and LCD on the operation panel. Doing so may result in an unexpected operation.

Note

- If the error message appears after the operation panel is closed, take appropriate action.

  A Message Is Displayed

- When you start printing after replacing the ink tank, the machine starts cleaning the print head automatically. Do not perform any other operations until the machine completes the cleaning of the print head.
- If the print head is out of alignment, as indicated by misaligned printed ruled lines or similar symptoms, align the print head.

Checking the Ink Status from Your Computer

You can check the detailed information such as the remaining ink level and the ink tank types of your model.

1. Select **Ink Level Information** from the pop-up menu on the Canon IJ Printer Utility

   An illustration of the ink types and their status is displayed.
   If a warning or error related to the remaining ink level occurs, the printer driver displays an icon to let you know.

2. If necessary, click **Ink Details**

   You can check the ink-related information.

Note

- **Ink Details** is displayed when the ink level is low.
- Click ? to check which ink tank your model uses.
- Click **Update** to display the current remaining ink level.

Checking the Ink Status

- **Checking the Ink Status with the LCD on the Machine**
- **Checking the Ink Status with the Ink Lamps**

You can also check the ink status on the computer screen.

- **Checking the Ink Status from Your Computer**

Checking the Ink Status with the LCD on the Machine

1. Make sure that the power is turned on, and display the **HOME** screen.

   If the **HOME** screen is not displayed, press the **HOME** button to display it.

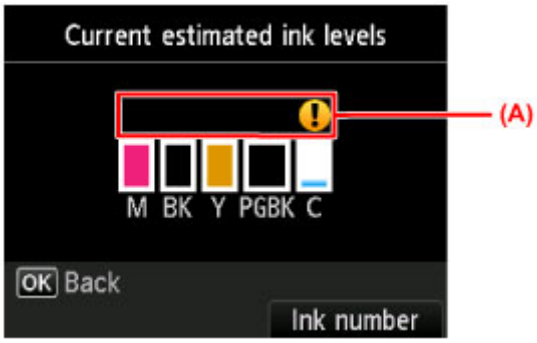
2. Select **Setup** on the **HOME** screen.

   LCD and Operation Panel

   The setup menu screen will appear.

3. Select **Estimated ink levels**, then press the **OK** button.

   A symbol appears in the area (A) if there is any information about the remaining ink level.



   Example:

   Ink tank is running low. Prepare a new ink tank.

Note

- The above screen shows estimated ink levels.
- To display and print the model number of the ink tank, select **Ink number** by pressing the right **Function** button.
- You can also check the ink status on a screen of the LCD displayed while printing.
- You can also check the ink status on the computer screen.

  Checking the Ink Status from Your Computer

Checking the Ink Status with the Ink Lamps

1. Make sure that the power is turned on.

2. Open the front cover, then open the paper output tray.

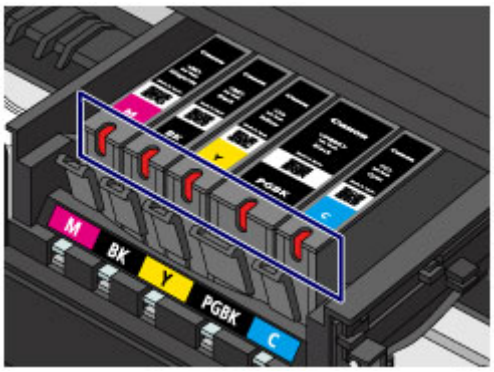
3. Lift the operation panel and open until it stops.

   Replacing Procedure

4. Check the ink lamp.

   Close the operation panel after checking the ink lamp status.

   Replacing Procedure



- The ink lamp is on.

  The ink tank is correctly installed.

- The ink lamp is flashing.

  Flashing slowly (at around 3-second intervals)

  ..... Repeats

  Ink tank is running low. Prepare a new ink tank.

  Flashing fast (at around 1-second intervals)

  ..... Repeats

  - The ink tank is installed in the wrong position.

  Or

  - The ink has run out.

  Make sure that the ink tank is installed in the correct position as indicated by the label on the print head holder. If the position is correct but the lamp flashes, there has been an error and the machine cannot print. Check the error message displayed on the LCD.

  A Message Is Displayed

- The ink lamp is off.

  The ink tank is not installed properly or the function for detecting the remaining ink level is disabled. If the ink tank is not firmly in place, make sure that the orange protective cap has been

removed from the bottom of the ink tank, then press on the top of the ink tank until the ink tank clicks into place.

If the ink lamp is still off after reinstalling the ink tank, there has been an error and the machine cannot print. Check the error message displayed on the LCD.

A Message Is Displayed

Note

- You can also check the ink status on the computer screen.

Checking the Ink Status from Your Computer

Maintenance

- When Printing Becomes Faint or Colors Are Incorrect
- Performing Maintenance from a Computer
- Cleaning the Machine

When Printing Becomes Faint or Colors Are Incorrect

- Maintenance Procedure
- Printing the Nozzle Check Pattern
- Examining the Nozzle Check Pattern
- Cleaning the Print Head
- Cleaning the Print Head Deeply
- Aligning the Print Head

Maintenance Procedure

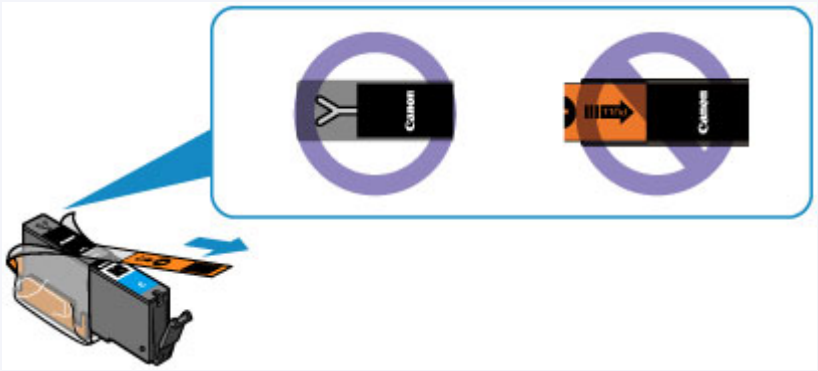
If print results are blurred, colors are not printed correctly, or print results are unsatisfactory (e.g. misaligned printed ruled lines), perform the maintenance procedure below.

Important

- Do not rinse or wipe the print head and ink tank. This can cause trouble with the print head and ink tank.

Note

- Make sure that the orange protective tape does not remain on the ink tank.



- Open the operation panel and make sure that the lamp on the ink tank is lit. If the lamp is flashing or off, take appropriate action.

  Checking the Ink Status with the Ink Lamps

- Increasing the print quality in the printer driver settings may improve the print result.

  Changing the Print Quality and Correcting Image Data

When the Print Results Are Blurred or Uneven:

Step1 Print the nozzle check pattern.

From the machine

Printing the Nozzle Check Pattern

From the computer

Use Your Computer to Print a Nozzle Check Pattern

Step2 Examine the nozzle check pattern.

If there are missing lines or horizontal white streaks in the pattern:

Step3 Clean the print head.

From the machine

Cleaning the Print Head

From the computer

- Cleaning the Print Heads from Your Computer

After cleaning the print head, print and examine the nozzle check pattern: ➡ Step1

If the problem is not resolved after performing from step 1 to step 3 twice:

Step4 Clean the print head deeply.

From the machine

- Cleaning the Print Head Deeply

From the computer

- Cleaning the Print Heads from Your Computer

Note

- When you have performed the procedure until step 4 and the problem has not been resolved, turn off the power and clean the print head deeply again after 24 hours.

  If the problem is still not resolved, the print head may be damaged. Contact the service center.

When the Print Results Are Not Even such as the Ruled Lines Are Misaligned:

Step Align the print head.

From the machine

- Aligning the Print Head

From the computer

- Aligning the Print Head Position from Your Computer

Printing the Nozzle Check Pattern

Print the nozzle check pattern to determine whether the ink ejects properly from the print head nozzle.

Note

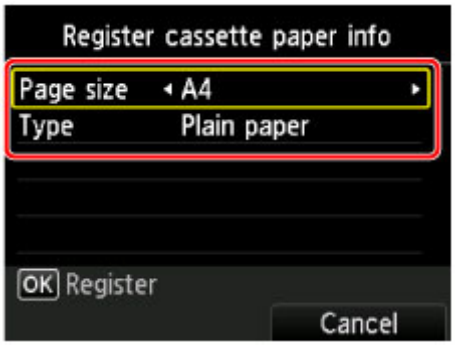
- If the remaining ink level is low, the nozzle check pattern will not be printed correctly. Replace the ink tank whose ink is low.

You need to prepare: a sheet of A4 or Letter-sized plain paper

1. Make sure that the power is turned on.

2. Load a sheet of A4 or Letter-sized plain paper in the cassette.

   After pushing the cassette back, the paper information registration screen is displayed on the LCD. Select **A4** or **Letter** for **Page size** and **Plain paper** for **Type**, then press the **OK** button.

   If a message is displayed on the screen, follow the directions in the message to complete registration.

3. Open the paper output tray gently.

4. Print the nozzle check pattern.

   1. Select **Setup** on the **HOME** screen.

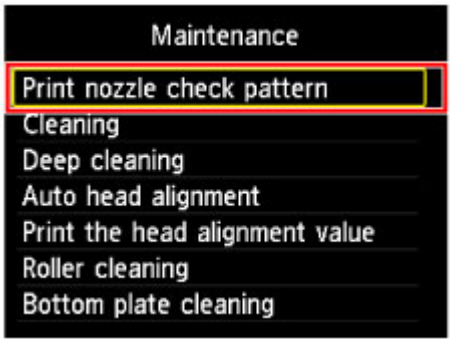
      LCD and Operation Panel

      The setup menu screen will appear.

   2. Select **Maintenance**, then press the **OK** button.

      The **Maintenance** screen will appear.

   3. Select **Print nozzle check pattern**, then press the **OK** button.



The confirmation screen will appear.

4. Select **Yes**, then press the **OK** button.

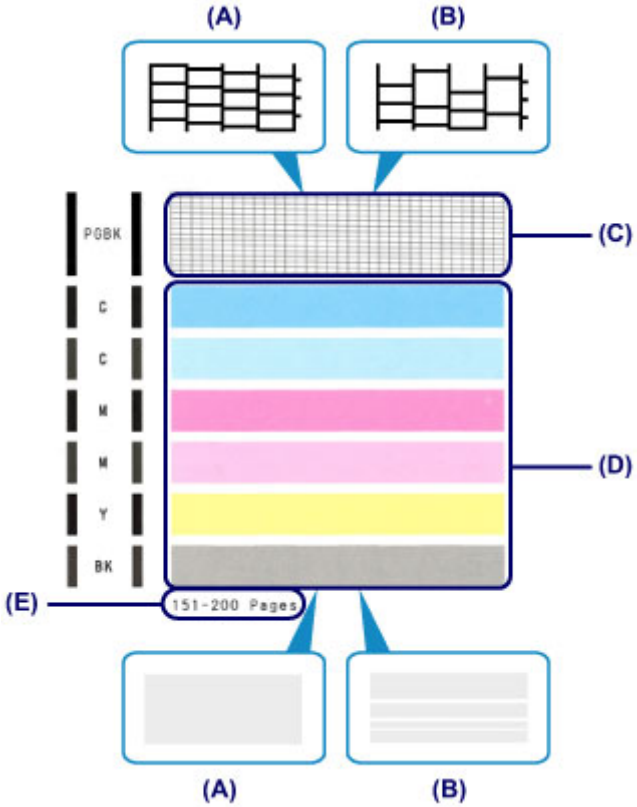
   The nozzle check pattern will be printed and two pattern confirmation screens will appear on the LCD.

5. Examine the nozzle check pattern.

Examining the Nozzle Check Pattern

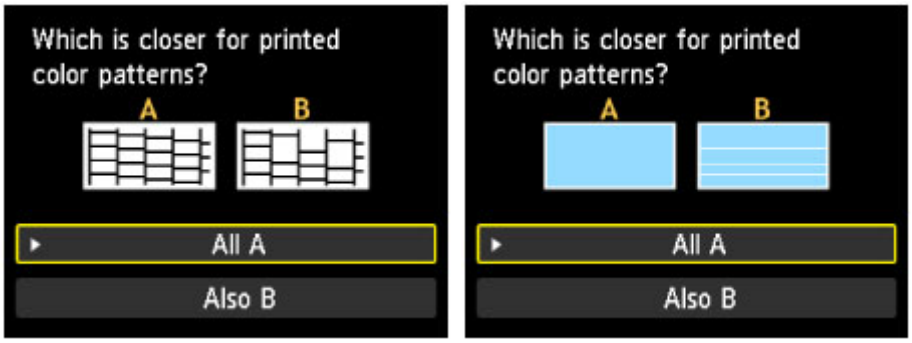
Examine the nozzle check pattern, and clean the print head if necessary.

1. Check if there are missing lines in the pattern (C) or horizontal white streaks in the pattern (D).



(A) No missing lines/No horizontal white streaks
(B) Lines are missing/Horizontal white streaks are present
(E) Number of sheets printed so far

2. Select the pattern that is closer to the printed nozzle check pattern on the confirmation screen.



For (A) (no missing lines or no horizontal white streaks) in both the pattern (C) and pattern (D):

1. The cleaning is not required. Select **All A**, then press the **OK** button.

2. Confirm the message, then press the **OK** button.

The screen will return to the **Maintenance** screen.

For (B) (lines are missing or horizontal white streaks are present) in the pattern (C) or pattern (D), or in both patterns:

1. The cleaning is required. Select **Also B**, then press the **OK** button.

   The cleaning confirmation screen will appear.

2. Select **Yes**, then press the **OK** button.

   The machine starts cleaning the print head.

   Cleaning the Print Head

Note

- The total number of sheets printed so far is shown in increments of 50 sheets on the printout of the nozzle check pattern.

Cleaning the Print Head

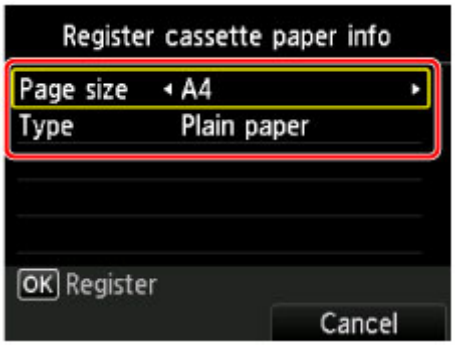
Clean the print head if lines are missing or if horizontal white streaks are present in the printed nozzle check pattern. Cleaning unclogs the nozzles and restores the print head condition. Cleaning the print head consumes ink, so clean the print head only when necessary.

You need to prepare: a sheet of A4 or Letter-sized plain paper

1. Make sure that the power is turned on.

2. Load a sheet of A4 or Letter-sized plain paper in the cassette.

   After pushing the cassette back, the paper information registration screen is displayed on the LCD. Select **A4** or **Letter** for **Page size** and **Plain paper** for **Type**, then press the **OK** button.

   If a message is displayed on the screen, follow the directions in the message to complete registration.

3. Open the paper output tray gently.

4. Clean the print head.

   1. Select **Setup** on the **HOME** screen.

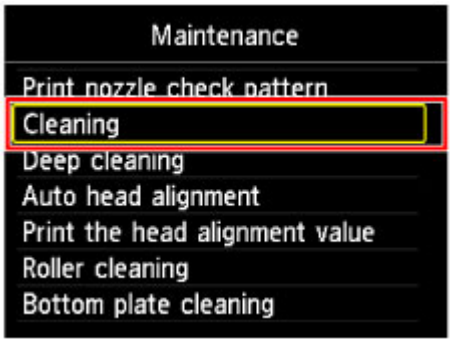
      LCD and Operation Panel

      The setup menu screen will appear.

   2. Select **Maintenance**, then press the **OK** button.

      The **Maintenance** screen will appear.

   3. Select **Cleaning**, then press the **OK** button.

The confirmation screen will appear.

4. Select **Yes**, then press the **OK** button.

   The machine starts cleaning the print head.

   Do not perform any other operations until the machine completes the cleaning of the print head. This takes about 1 minute.

   The pattern print confirmation screen will appear.

5. Select **Yes**, then press the **OK** button.

   The nozzle check pattern will be printed.

5. Examine the nozzle check pattern.

Note

- If the problem is not resolved after cleaning the print head twice, clean the print head deeply.

Cleaning the Print Head Deeply

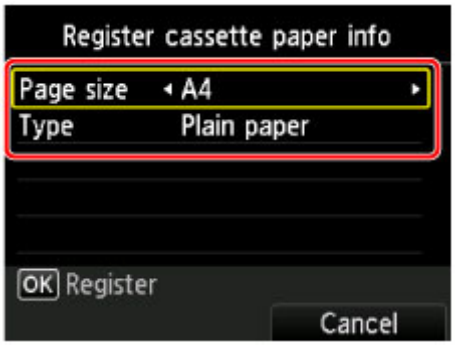
If print quality does not improve by the standard cleaning of the print head, clean the print head deeply. Cleaning the print head deeply consumes more ink than the standard cleaning of the print head, so clean the print head deeply only when necessary.

You need to prepare: a sheet of A4 or Letter-sized plain paper

1. Make sure that the power is turned on.

2. Load a sheet of A4 or Letter-sized plain paper in the cassette.

   After pushing the cassette back, the paper information registration screen is displayed on the LCD. Select **A4** or **Letter** for **Page size** and **Plain paper** for **Type**, then press the **OK** button.

   If a message is displayed on the screen, follow the directions in the message to complete registration.

3. Open the paper output tray gently.

4. Clean the print head deeply.

   1. Select **Setup** on the **HOME** screen.

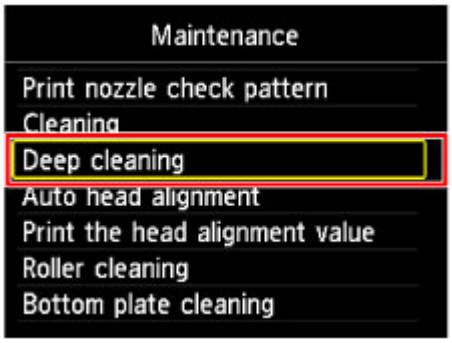
      LCD and Operation Panel

      The setup menu screen will appear.

   2. Select **Maintenance**, then press the **OK** button.

      The **Maintenance** screen will appear.

   3. Select **Deep cleaning**, then press the **OK** button.

The confirmation screen will appear.

4. Select **Yes**, then press the **OK** button.

   The machine starts cleaning the print head deeply.

   Do not perform any other operations until the machine completes the deep cleaning of the print head. This takes about 1 to 2 minutes.

   The pattern print confirmation screen will appear.

5. Select **Yes**, then press the **OK** button.

   The nozzle check pattern will be printed.

6. When the completion message appears, press the **OK** button.

5. Examine the nozzle check pattern.

If a particular color is not printed properly, replace the ink tank of that color.

If the problem is not resolved, turn off the power and clean the print head deeply again after 24 hours.

If the problem is still not resolved, the print head may be damaged. Contact the service center.

Aligning the Print Head

If printed ruled lines are misaligned or print results are otherwise unsatisfactory, adjust the print head position.

Note

- If the remaining ink level is low, the print head alignment sheet will not be printed correctly.

  Replace the ink tank whose ink is low.

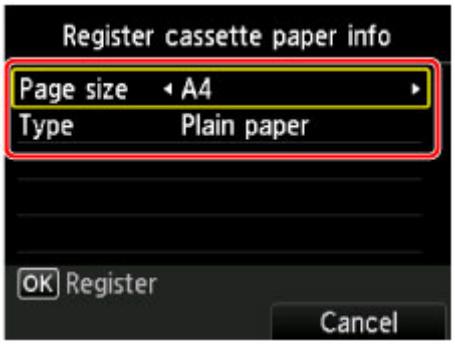
You need to prepare: a sheet of A4 or Letter-sized plain paper (including recycled paper)*

* Be sure to use paper that is white and clean on both sides.

1. Make sure that the power is turned on.

2. Load a sheet of A4 or Letter-sized plain paper in the cassette.

   After pushing the cassette back, the paper information registration screen is displayed on the LCD. Select **A4** or **Letter** for **Page size** and **Plain paper** for **Type**, then press the **OK** button.

   If a message is displayed on the screen, follow the directions in the message to complete registration.

3. Open the paper output tray gently.

4. Print the print head alignment sheet.

   1. Select **Setup** on the **HOME** screen.

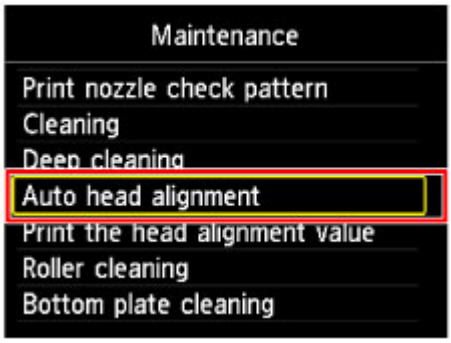
      LCD and Operation Panel

      The setup menu screen will appear.

   2. Select **Maintenance**, then press the **OK** button.

      The **Maintenance** screen will appear.

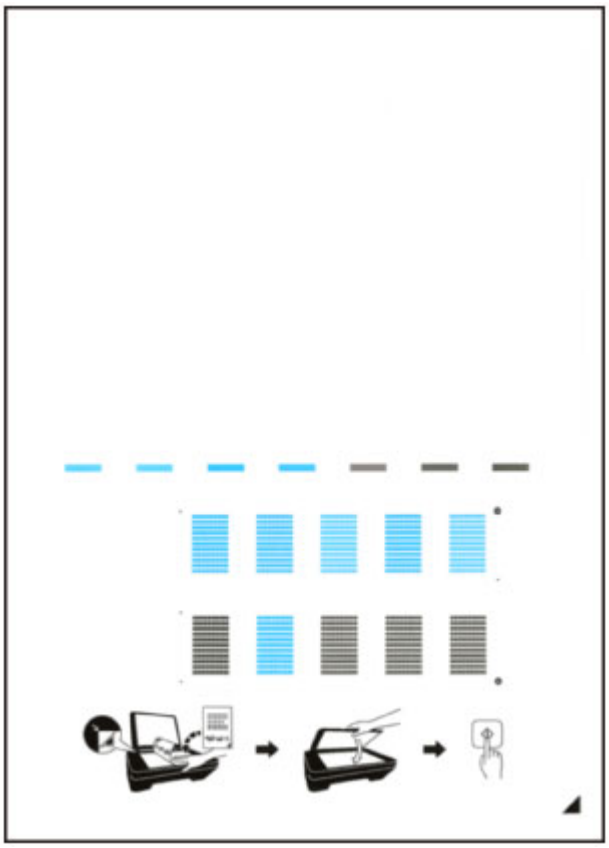
   3. Select **Auto head alignment**, then press the **OK** button.



The confirmation screen will appear.

4. Select **Yes**, then press the **OK** button.

   The print head alignment sheet will be printed.



Important

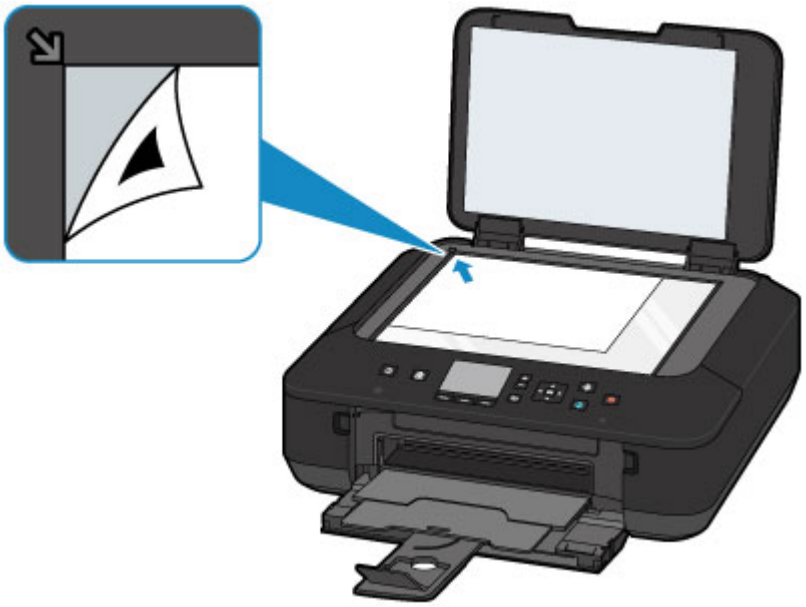
- Do not touch any printed part on the print head alignment sheet. If the sheet is stained or wrinkled, it may not be scanned properly.

5. When the message "**Did the patterns print correctly?**" appears, confirm that the pattern is printed correctly, select **Yes**, then press the **OK** button.

5. Scan the print head alignment sheet to adjust the print head position.

   1. Confirm the message, then load the print head alignment sheet on the platen glass.

      Load the print head alignment sheet WITH THE PRINTED SIDE FACING DOWN and align the mark ◢ on the bottom right corner of the sheet with the alignment mark ⧉.



2. Close the document cover gently, then press the **OK** button.

   The machine starts scanning the print head alignment sheet, and the print head position will be adjusted automatically.

   Important

   - Do not open the document cover or move the print head alignment sheet on the platen glass until adjusting the print head position is complete.
   - If the error message appears on the LCD, press the **OK** button to release the error, then take appropriate action.

     A Message Is Displayed

3. When the completion message appears, press the **OK** button.

   Remove the print head alignment sheet on the platen glass.

Note

- If the print results are still not satisfactory after adjusting the print head position as described above, adjust the print head position manually from the computer.

  Aligning the Print Head Position from Your Computer

- To print and check the current head position adjustment values, select **Print the head alignment value** on the **Maintenance** screen.

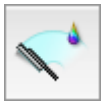
Performing Maintenance from a Computer

- Cleaning the Print Heads from Your Computer
- Use Your Computer to Print a Nozzle Check Pattern
- Aligning the Print Head
- Aligning the Print Head Position from Your Computer
- Checking the Ink Status from Your Computer

Cleaning the Print Heads from Your Computer

The print head cleaning function allows you to clear up clogged print head nozzle. Perform print head cleaning if printing is faint or a specific color fails to print, even though there is enough ink.

The procedure for cleaning the print head is as follows:

 Cleaning

1. Select **Cleaning** from the pop-up menu on the Canon IJ Printer Utility
2. Click the **Cleaning** icon

   When the dialog opens, select the ink group for which cleaning is to be performed.

   Click to display the items you need to check before performing cleaning.
3. Execute cleaning

   Make sure that the printer is on and then click **OK**.

   Print head cleaning starts.
4. Complete cleaning

   The **Nozzle Check** dialog opens after the confirmation message.
5. Check the results

   To check whether the print quality has improved, click **Print Check Pattern**. To cancel the check process, click **Cancel**.

   If cleaning the head once does not resolve the print head problem, clean it once more.

Important

- **Cleaning** consumes a small amount of ink.
  Cleaning the print head frequently will rapidly deplete your printer's ink supply. Consequently, perform cleaning only when necessary.

Deep Cleaning

Deep Cleaning is more thorough than cleaning. Perform deep cleaning when two **Cleaning** attempts do not resolve the print head problem.

1. Select **Cleaning** from the pop-up menu on the Canon IJ Printer Utility
2. Click the **Deep Cleaning** icon

When the dialog opens, select the ink group for which deep cleaning is to be performed.

Click ? to display the items you need to check before performing deep cleaning.

3. Execute deep cleaning

   Make sure that the printer is on and then click **OK**.
   Click **OK** when the confirmation message appears.

   Print head deep cleaning starts.

4. Complete deep cleaning

   The **Nozzle Check** dialog opens after the confirmation message.

5. Check the results

   To check whether the print quality has improved, click **Print Check Pattern**. To cancel the check process, click **Cancel**.

Important

- **Deep Cleaning** consumes a larger amount of ink than **Cleaning**.
  Cleaning the print head frequently will rapidly deplete your printer's ink supply. Consequently, perform cleaning only when necessary.

Note

- If there is no sign of improvement after **Deep Cleaning**, turn off the printer, wait 24 hours, and then perform **Deep Cleaning** again. If there is still no sign of improvement, the ink may have run out or the print head may be worn. For details on the remedial action to be taken, see "Ink Is Not Ejected."

Related Topic

- Use Your Computer to Print a Nozzle Check Pattern

Use Your Computer to Print a Nozzle Check Pattern

The nozzle check function allows you to check whether the print head is working properly by printing a nozzle check pattern. Print the pattern if printing becomes faint, or if a specific color fails to print.

The procedure for printing a nozzle check pattern is as follows:

Nozzle Check

1. Select **Test Print** from the pop-up menu on the Canon IJ Printer Utility

2. Click the **Nozzle Check** icon

   The confirmation message appears.

   Click ? to display the items that you need to check before printing the nozzle check pattern.

3. Load paper in the printer

   Load one sheet of A4 size or Letter size plain paper into the cassette.

   Note

   - If the cassette paper information registered on the printer is not set to A4 size and plain paper, an error may occur. For instructions on what to do if an error occurs, see "Paper setting for Printing."
     For details about the cassette paper information to be registered on the printer, see the following:
     - Paper Settings on the Printer Driver and the Printer (Media Type)
     - Paper Settings on the Printer Driver and the Printer (Paper Size)

4. Print a nozzle check pattern

   Make sure that the printer is on and click **Print Check Pattern**.
   Printing of the nozzle check pattern begins.

5. Check the print result

   When the dialog opens, check the print result. If the print result is normal, click **Quit**.

   If the print result is smudged or if there are any unprinted sections, click **Cleaning** to clean the print head.

Related Topic

- Cleaning the Print Heads from Your Computer

Aligning the Print Head

When you perform head position adjustment, errors in the print head adjustment position are corrected and conditions such as color and line streaking are improved.
If the print results appear uneven because of line shifts or other conditions, adjust the position of the print head.

On this printer, you can adjust the print head either automatically or manually.

Aligning the Print Head Position from Your Computer

Print head alignment corrects the installation positions of the print head and improves deviated colors and lines.

This printer supports two head alignment methods: automatic head alignment and manual head alignment.

The procedure for performing manual print head alignment is as follows:

Print Head Alignment

1. Select **Custom Settings** from the pop-up menu on the Canon IJ Printer Utility

2. Switch head alignment to manual

   Check the **Align heads manually** check box.

3. Apply the settings

   Click **Apply** and when the confirmation message appears, click **OK**.

4. Select **Test Print** from the pop-up menu on the Canon IJ Printer Utility

5. Click the **Print Head Alignment** icon

   A message is displayed.

6. Load paper in the printer

   Load two sheets of A4 size or Letter size plain paper into the cassette.

   Note

   - If the cassette paper information registered on the printer is not set to A4 size and plain paper, an error may occur. For instructions on what to do if an error occurs, see "Paper setting for Printing."
     For details about the cassette paper information to be registered on the printer, see the following:
     - Paper Settings on the Printer Driver and the Printer (Media Type)
     - Paper Settings on the Printer Driver and the Printer (Paper Size)

7. Execute head alignment

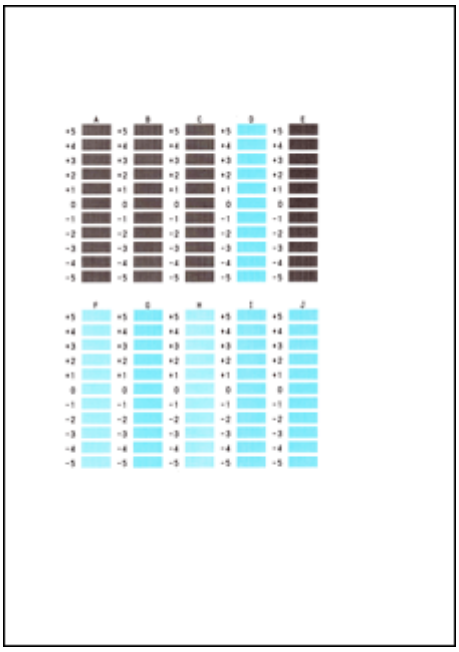
   Make sure that the printer is on and click **Align Print Head**.
   The first pattern is printed.

   Important

   - Do not open the operation panel while printing is in progress.

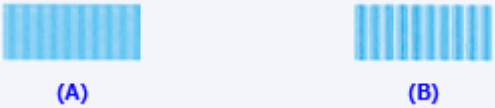
8. Check the printed pattern

Enter the numbers of the patterns with the least noticeable streaks in the associated boxes, and click **OK**.



Note

- If it is difficult to pick the best pattern, pick the setting that produces the least noticeable vertical streaks.



(A) Least noticeable vertical streaks
(B) Most noticeable vertical streaks

9. Confirm the displayed message and click **OK**

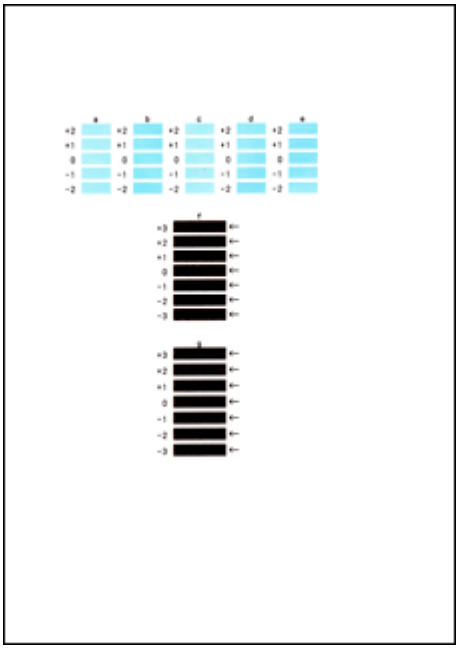
The second pattern is printed.

Important

- Do not open the operation panel while printing is in progress.

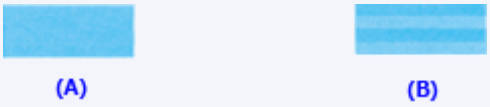
10. Check the printed pattern

Enter the numbers of the patterns with the least noticeable stripes or streaks in the associated boxes, and click **OK**.



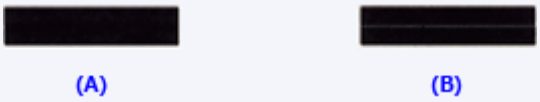
Note

- If it is difficult to pick the best pattern, pick the setting that produces the least noticeable horizontal stripes.



(A) Least noticeable horizontal stripes
(B) Most noticeable horizontal stripes

- If it is difficult to pick the best pattern, pick the setting that produces the least noticeable horizontal streaks.



(A) Least noticeable horizontal streaks
(B) Most noticeable horizontal streaks

Note

- After head alignment is completed, you can print and check the current setting. To do so, click the **Print Head Alignment** icon and when the message is displayed, click **Print Alignment Value**.

Cleaning the Machine

- Cleaning the Exterior of the Machine
- Cleaning the Platen Glass and Document Cover
- Cleaning the Paper Feed Roller
- Cleaning the Inside of the Machine (Bottom Plate Cleaning)

Cleaning the Exterior of the Machine

Be sure to use a soft and dry cloth such as eyeglasses cleaning cloth and wipe off dirt on the surface gently. Smooth out wrinkles on the cloth if necessary before cleaning.

Important

- Be sure to turn off the power and unplug the power cord before cleaning the machine.
- Do not use tissue paper, paper towels, rough-textured cloth, or similar materials for cleaning so as not to scratch the surface. Paper tissue powder or fine threads may remain inside the machine and cause problems such as print head blockage and poor printing results.
- Never use volatile liquids such as thinners, benzene, acetone, or any other chemical cleaner to clean the machine, as this may cause a malfunction or damage the surface of the machine.

Cleaning the Platen Glass and Document Cover

Important

- Be sure to turn off the power and unplug the power cord before cleaning the machine.
- Do not use tissue paper, paper towels, rough-textured cloth, or similar materials for cleaning so as not to scratch the surface. Paper tissue powder or fine threads may remain inside the machine and cause problems such as print head blockage and poor printing results.
- Never use volatile liquids such as thinners, benzene, acetone, or any other chemical cleaner to clean the machine, as this may cause a malfunction or damage the surface of the machine.

With a soft, clean, lint-free and dry cloth, wipe the platen glass (A) and the inner side of the document cover (white sheet) (B) gently. Make sure not to leave any residue, especially on the glass surface.

Important

- The inner side of the document cover (white sheet) (B) is easily damaged, so wipe it gently.

Cleaning the Paper Feed Roller

If the paper feed roller is dirty or paper powder is attached to it, paper may not be fed properly.

In this case, clean the paper feed roller. Cleaning will wear out the paper feed roller, so perform this only when necessary.

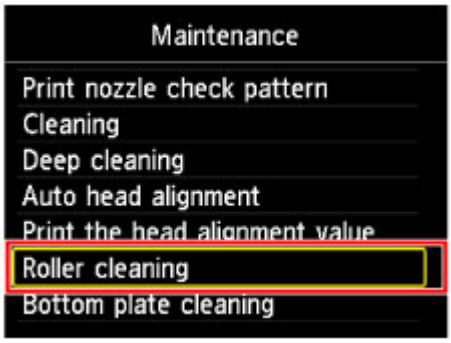
You need to prepare: three sheets of A4 or Letter-sized plain paper

1. Make sure that the power is turned on.
2. Select **Roller cleaning**.
    1. Select **Setup** on the **HOME** screen.

        LCD and Operation Panel

        The setup menu screen will appear.
    2. Select **Maintenance**, then press the **OK** button.

        The **Maintenance** screen will appear.
    3. Select **Roller cleaning**, then press the **OK** button.

        The confirmation screen will appear.
    4. Select **Yes**, then press the **OK** button.
3. Clean the paper feed roller without paper.
    1. Follow the message to remove any paper from the cassette.
    2. Press the **OK** button.

        The paper feed roller will rotate as it is cleaned.
4. Clean the paper feed roller with paper.
    1. Make sure that the paper feed roller has stopped rotating, then follow the message to load three or more sheets of A4 or Letter-sized plain paper in the cassette.

2. Open the paper output tray gently.

3. Press the **OK** button.

   The machine starts cleaning. The cleaning will be complete when the paper is ejected.

4. When the completion message appears, press the **OK** button.

If the problem is not resolved after cleaning the paper feed roller, contact the service center.

Cleaning the Inside of the Machine (Bottom Plate Cleaning)

Remove stains from the inside of the machine. If the inside of the machine becomes dirty, printed paper may get dirty, so we recommend performing cleaning regularly.

You need to prepare: a sheet of A4 or Letter-sized plain paper*

* Be sure to use a new piece of paper.

1. Make sure that the power is turned on.

2. Clean the inside of the machine.

    1. Select **Setup** on the **HOME** screen.

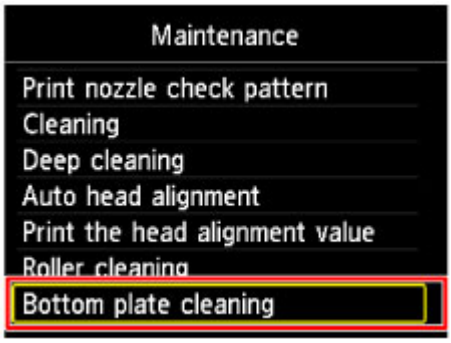
        LCD and Operation Panel

        The setup menu screen will appear.

    2. Select **Maintenance**, then press the **OK** button.

        The **Maintenance** screen will appear.

    3. Select **Bottom plate cleaning**, then press the **OK** button.

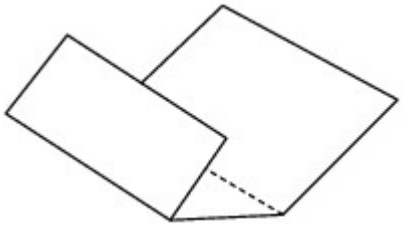
        The confirmation screen will appear.

    4. Select **Yes**, then press the **OK** button.

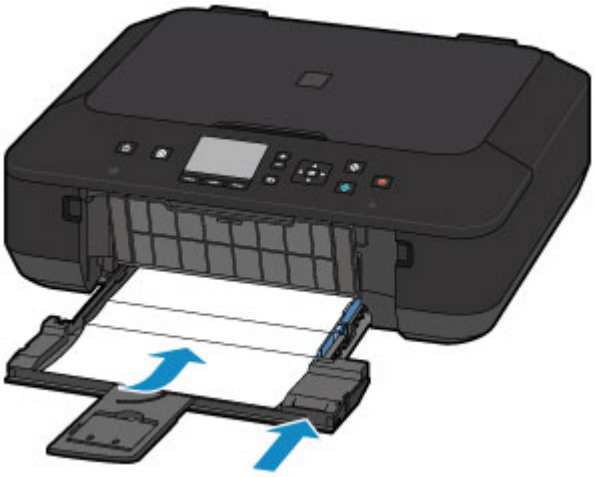
    5. Follow the message to remove any paper from the cassette, then press the **OK** button.

    6. Fold a single sheet of A4 or Letter-sized plain paper in half widthwise, then unfold the paper.

    7. Fold one side of the opened paper in another half, aligning the edge with the center crease, unfold the paper, then press the **OK** button.

8. Load only this sheet of paper in the cassette with the ridges of the creases facing up and the edge of the half with no crease facing away from you.



9. Open the paper output tray gently, then press the **OK** button.

   The paper cleans the inside of the machine as it feeds through the machine.

   Check the folded parts of the ejected paper. If they are smudged with ink, perform Bottom Plate Cleaning again.

10. When the completion message appears, press the **OK** button.

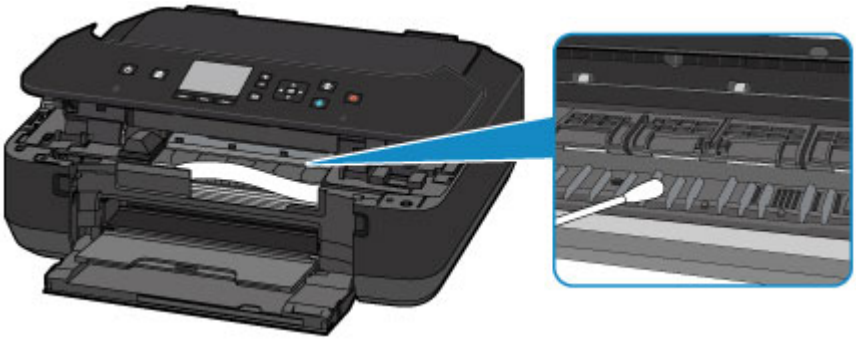
Note

- When performing Bottom Plate Cleaning again, be sure to use a new piece of paper.

If the problem is not resolved after performing cleaning again, the protrusions inside the machine may be stained. Wipe off any ink from the protrusions using a cotton swab or the like.

Important

- Be sure to turn off the power and unplug the power cord before cleaning the machine.



Changing the Machine Settings

- **Changing Machine Settings from Your Computer**
- **Changing the Machine Settings on the LCD**

Changing Machine Settings from Your Computer

- Checking the Ink Status from Your Computer
- Registering a Changed Printing Profile
- Managing the Printer Power
- Reducing the Printer Noise
- Changing the Printer Operation Mode

Checking the Ink Status from Your Computer

You can check the detailed information such as the remaining ink level and the ink tank types of your model.

1. Select **Ink Level Information** from the pop-up menu on the Canon IJ Printer Utility

   An illustration of the ink types and their status is displayed.
   If a warning or error related to the remaining ink level occurs, the printer driver displays an icon to let you know.

2. If necessary, click **Ink Details**

   You can check the ink-related information.

Note

- **Ink Details** is displayed when the ink level is low.
- Click ? to check which ink tank your model uses.
- Click **Update** to display the current remaining ink level.

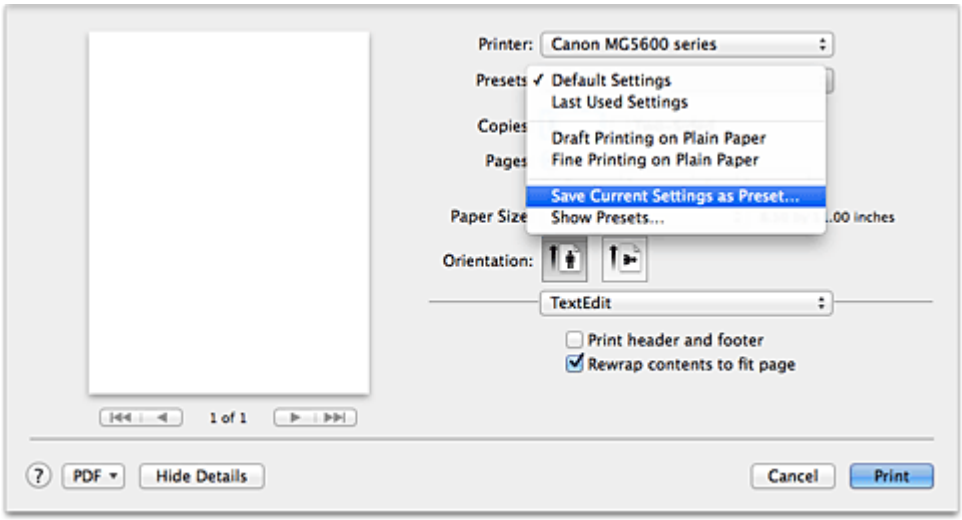
Registering a Changed Printing Profile

You can name and register the printing profile you made in the Print Dialog. The registered printing profile can be called up from **Presets** to be used. You can also delete the unnecessary printing profile.

The procedure for registering a printing profile is as follows:

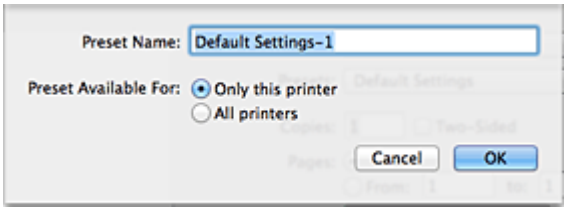
Registering a Printing Profile

1. In the Print dialog, set the necessary items
2. Select **Save Current Settings as Preset...** (**Save As...**) from the **Presets**



3. Save the settings

   In the displayed dialog, enter a name in **Preset Name**, and if necessary, set **Preset Available For**. Then click **OK**.



Important

- There are also print settings that cannot be saved to preset.

Using Registered Printing Profile

1. On **Presets** in the Print dialog, select the name of printing profile you want to use

   Printing profile in the Print dialog will be updated to the called profile.

Deleting Unnecessary Printing Profile

1. Select the printing profile to be deleted

   - If you are using OS X Mavericks v10.9, OS X Mountain Lion v10.8, or OS X Lion v10.7

     In the print dialog, select **Show Presets...** in the **Presets** section. Then in the dialog that appears, select the name of the printing profile to be deleted.
   - If you are using Mac OS X v10.6.8

     On **Presets** in the Print dialog, select the name of printing profile you want to delete.

2. Delete the printing profile

   - If you are using OS X Mavericks v10.9, OS X Mountain Lion v10.8, or OS X Lion v10.7

     Click **Delete**, and click **OK**. The selected printing profiles will be deleted from **Presets**.
   - If you are using Mac OS X v10.6.8

     On **Presets** in the Print dialog, click **Delete**. The selected printing profiles will be deleted from **Presets**.

Managing the Printer Power

This function allows you to manage the printer power from the printer driver.

The procedure for managing the printer power is as follows:

Power Off

The **Power Off** function turns off the printer. When you use this function, you will not be able to turn the printer on from the printer driver.

1. Select **Power Settings** from the pop-up menu on the Canon IJ Printer Utility

2. Execute power off

   Click **Power Off**, and when the confirmation message appears, click **OK**.
   The printer power switches off.

Auto Power

Auto Power allows you to set **Auto Power On** and **Auto Power Off**.

The **Auto Power On** function automatically turns on the printer when data is received.
The **Auto Power Off** function automatically turns off the printer when there are no operations from the printer driver or the printer for a specified period of time.

1. Select **Power Settings** from the pop-up menu on the Canon IJ Printer Utility

2. Check that the printer is on, and then click **Auto Power**

   A dialog appears.

   Note

   - If the printer is off or if communication between the printer and the computer is disabled, an error message may appear because the computer cannot collect the printer status.

3. If necessary, complete the following settings:

   Auto Power On
   Specifying **Enable** from the list will turn the printer on upon receipt of print data.

   Auto Power Off
   Specify the time from the list. When this time lapses without any operations from the printer driver or the printer, the printer is turned off automatically.

4. Apply the settings

   The setting is enabled after this. When you want to disable this function, select **Disable** from the list according to the same procedure.

Important

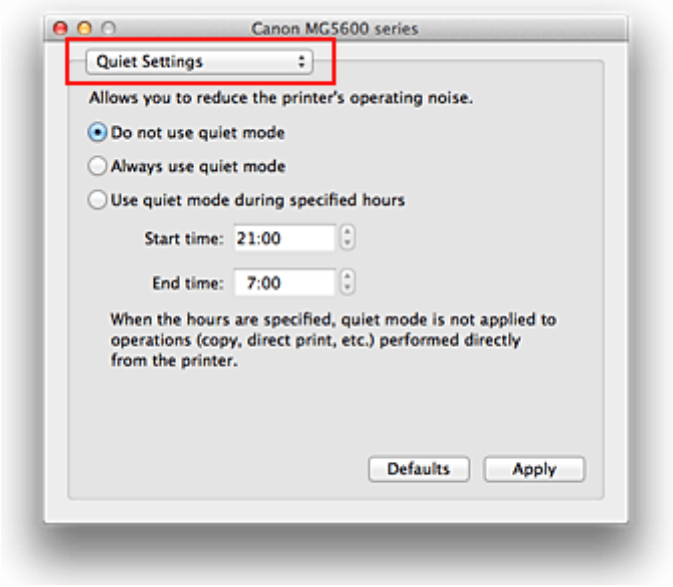
- If you connect this printer to a network and use it, you can set **Auto Power Off** but the power will not be turned off automatically.

Reducing the Printer Noise

The silent function allows you to reduce the operating noise of this printer. Select when you wish to reduce the operating noise of the printer at night, etc.
Using this function may lower the print speed.

The procedure for using the quiet mode is as follows:

1. Select **Quiet Settings** from the pop-up menu on the Canon IJ Printer Utility



Note

- If the computer is unable to communicate with the printer, a message may be displayed because the computer cannot access the function information that was set on the printer. If this happens, click **Cancel** to display the most recent settings specified on your computer.

2. Set the quiet mode

If necessary, specify one of the following items:

Do not use quiet mode

Select this option when you wish to use the printer with volume of normal operating noise.

Always use quiet mode

Select this option when you wish to reduce the operating noise of the printer.

Use quiet mode during specified hours

Select this option when you wish to reduce the operating noise of the printer during a specified period of time.
Set the **Start time** and the **End time** of the quiet mode you wish to be activated. If both are set to the same time, the quiet mode will not function.

Important

- You can set the quiet mode from the operation panel of the printer or the printer driver.
  No matter how you use to set the quiet mode, the mode is applied when you perform operations from the operation panel of the printer or printing and scanning from the computer.
- If you specify a time for **Use quiet mode during specified hours**, quiet mode is not applied to operations (copy, direct print, etc.) performed directly from the printer.

3. Apply the settings

   Make sure that the printer is on and click **Apply**.
   Click **OK** when the confirmation message appears.

   The settings are enabled hereafter.

Note

- The effects of the quiet mode may be less depending on the print quality settings.

Changing the Printer Operation Mode

If necessary, switch between various modes of printer operation.

The procedure for configuring **Custom Settings** is as follows:

1. Make sure that the printer is on, and then select **Custom Settings** from the pop-up menu on the Canon IJ Printer Utility

   Note

   - If the computer is unable to communicate with the printer, a message may be displayed because the computer cannot access the function information that was set on the printer.
     If this happens, click **Cancel** to display the most recent settings specified on your computer.

2. If necessary, complete the following settings:

   Ink Drying Wait Time

   You can set the length of the printer rest time until printing of the next page begins. Moving the slider to the right increases the pause time, and moving the slider to the left decreases the time.
   If the paper gets stained because the next page is ejected before the ink on the printed page dries, increase the ink drying wait time.
   Reducing the ink drying wait time speeds up printing.

   Display Guide Message

   Displays a guide when you perform operations in which the paper setting procedure is complicated.

   Hagaki Printing

   Displays the guide message before the printer begins hagaki printing.
   To hide the guide messages, select the **Do not show again** check box in the displayed dialog.
   To display the guide messages again, display the Canon IJ Printer Utility pop-up menu, select **Custom Settings**, and then check the **Hagaki Printing** check box.

   Important

   - With OS X Mavericks v10.9, OS X Mountain Lion v10.8, or OS X Lion v10.7, you cannot use **Display Guide Message**.
     Therefore, if you check the **Do not show again** check box when a guide message is displayed before printing starts, this will stop any more guide messages from being displayed.

   Prevent paper abrasion

   The printer can increase the gap between the print head and the paper during high-density printing to prevent paper abrasion.
   Check this check box to prevent paper abrasion.

   Prevent paper double-feed

   Select this check box only if the printer is feeding multiple sheets of plain paper at the same time.

   Important

   - Using this function slows down the print speed.

   Align heads manually

   Usually, the **Print Head Alignment** function of **Test Print** on the pop-up menu in the Canon IJ Printer Utility is set to automatic head alignment, but you can change it to manual head alignment.
   If the printing results of automatic print head alignment are not satisfactory, perform manual head alignment.

Check this check box to perform the manual head alignment. Uncheck this check box to perform the automatic head alignment.

Don't detect mismatch of paper settings when printing from computer

When you print documents from your computer and the paper settings on the print dialog and the printer do not match, this setting disables the message display and allows you to continue printing. To disable detection of paper setting mismatches, select this check box.

3. Apply the settings

Click **Apply** and when the confirmation message appears, click **OK**.

The printer operates with the modified settings hereafter.

Changing the Machine Settings on the LCD

- Changing the Machine Settings on the LCD
- Print settings
- LAN settings
- Device user settings
- PictBridge print settings
- Language selection
- Firmware update
- Cassette settings
- Reset setting
- About ECO settings
- About Quiet setting
- Using the Machine with the Access Point Mode

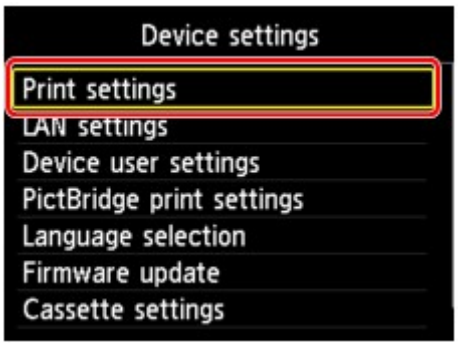
Changing the Machine Settings on the LCD

This section describes the procedure to change the settings in the **Device settings** screen, taking the steps to specify **Extended copy amount** as an example.

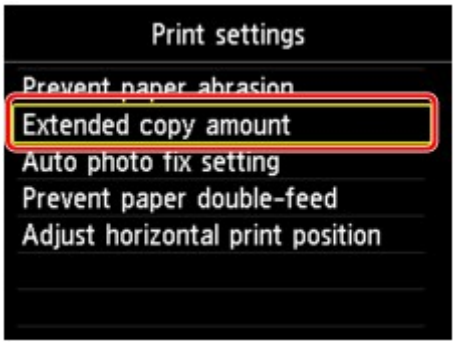
1. Make sure that the machine is turned on.
2. Select **Setup** on the **HOME** screen.

   LCD and Operation Panel
3. Select **Device settings**, then press the **OK** button.

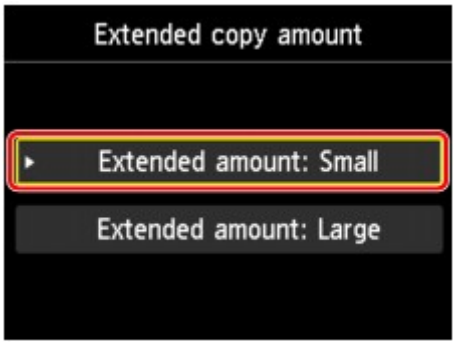
   The **Device settings** screen is displayed.
4. Use the ▲▼ button to select the setting item, then press the **OK** button.

   The setting screen for the selected item is displayed.
5. Use the ▲▼ button to select the menu, then press the **OK** button.

6. Use the ▲▼ button to select the setting item, then press the **OK** button.



You can select the setting menus below.

- Print settings
- LAN settings
- Device user settings
- PictBridge print settings
- Language selection
- Firmware update
- Cassette settings
- Reset setting

Note

- You can use the machine considering the environment, such as setting 2-sided printing as default or enabling the machine to turn on/off automatically.

  About ECO settings
- You can reduce the operating noise when printing at night.

  About Quiet setting

Print settings

- **Prevent paper abrasion**

  Use this setting only if the print surface becomes smudged.

  Important

  - Be sure to set this back to **OFF** after printing since it may result in lower printing speed or lower print quality.

- **Extended copy amount**

  Selects the amount of image that extends off the paper when printing in borderless (full).

  Slight cropping may occur at the edges since the copied image is enlarged to fill the whole page. You can change the width to be cropped from the borders of the original image as needed.

  Cropped area will be larger if **Extended amount: Large** is selected.

  Important

  - This setting can be applied under the following conditions:

    - Performing borderless copying

    - Borderless is selected for Border when copying printed photos

  Note

  - If printouts contain margins even though you are printing in Borderless, specifying **Extended amount: Large** for this setting may help solve the problem.

- **Auto photo fix setting**

  When **ON** is selected, you can select whether to print photos using the Exif information recorded in the image files when **Default*** or **On** is selected in printing with a PictBridge (Wireless LAN) compliant device.

  * When **Default** is selected for the print setting on the PictBridge (Wireless LAN) compliant device, select **Auto photo fix** for **Photo fix** in **PictBridge print settings**.

- **Prevent paper double-feed**

  Select **ON** to prevent double-feed of plain paper.

  Important

  - Select **ON** only when double-feed of plain paper occurs.

- **Adjust horizontal print position**

  Adjusts the print position when the left/right margins are not aligned.

  You can adjust the left/right margins in increments of 0.003 inches/0.1 mm between -0.1 inches/-3 mm and +0.1 inches/+3 mm centered on the horizontal center of the paper.

  Important

  - For Letter-sized or Legal-sized paper, you can adjust the left/right margins between -0.05 inches/-1.5 mm and +0.05 inches/+1.5 mm even if you specify the value over 0.05 inches/1.5 mm.

LAN settings

- **Change LAN**

  Enables either wireless LAN or access point mode. You can also disable wireless LAN or access point mode.

- **Wireless LAN setup**

  Selects the setup method for wireless LAN connection.

  Note

  - You can also enter this setting menu by selecting **WLAN** on the **HOME** screen. In this case, enable wireless LAN.

  When this menu is selected, the machine starts searching for a WPS-compatible access point. If the machine detects the access point, follow the on-screen instructions to set up wireless LAN. If an access point is not detected or if you select another setup method, select one of the setup methods below.

  - **Standard setup**

    Select when you perform settings for wireless LAN manually using the operation panel of the machine.

  - **WPS (Push button method)**

    Select when you perform settings for wireless LAN using an access point supporting a Wi-Fi Protected Setup (WPS) push button method. Follow the on-screen instructions during setup.

  - **Other setup**

    Advanced setup
    Select when you perform settings for wireless LAN manually. You can specify multiple WEP keys.

    WPS (PIN code method)
    Select when you perform settings for wireless LAN using an access point supporting a Wi-Fi Protected Setup (WPS) PIN code method. Follow the on-screen instructions during setup.

    Cableless setup
    Select if you specify the settings of the access point information to the machine directly from a device (such as a smartphone) without operating the access point. Follow the on-screen instructions of the connecting device for the setup procedure.

- **Confirm LAN settings**

  The list of wireless LAN settings or the access point mode of this machine is displayed on the LCD. You can print the list from this setting menu.

  - **WLAN setting list**

    The list of wireless LAN settings of this machine is displayed on the LCD.

    The following setting items are displayed.

Items	Setting
Connection	Active/Inactive
SSID	XXXXXXXXXXXXXXX XXXXXXXXXXXXXXX

Communication mode	Infrastructure
Channel	XX
Wireless LAN security	Inactive/WEP(64bit)/WEP(128bit)/WPA-PSK(TKIP)/WPA-PSK(AES)/WPA2-PSK(TKIP)/WPA2-PSK(AES)
IPv4 address	XXX. XXX. XXX. XXX
IPv4 subnet mask	XXX. XXX. XXX. XXX
IPv4 default gateway	XXX. XXX. XXX. XXX
IPv6 address	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX
IPv6 subnet prefix length	XXX
IPv6 default gateway	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX
MAC address	XX:XX:XX:XX:XX:XX
IPsec settings	Enable (ESP)/Enable (ESP & AH)/Enable (AH)/Disable
Pre-shared key	XXXXXXXXXXXXXXXX
Printer name	XXXXXXXXXXXXXXX
Bonjour service name	XXXXXXXXXXXXX XXXXXXXXXXXXX XXXXXXXXXXXXX XXXXXXXXXXXXX

("XX" represents alphanumeric characters.)

◦ **AP mode setting list**

The list of access point mode settings of this machine is displayed on the LCD.

The following setting items are displayed.

Items	Setting
Connection	Active/Inactive
SSID	XXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXX
Password	XXXXXXXXXX
Communication mode	Access point mode
Channel	3
Wireless LAN security	Inactive/WPA2-PSK(AES)
IPv4 address	XXX. XXX. XXX. XXX
IPv4 subnet mask	XXX. XXX. XXX. XXX

IPv4 default gateway	XXX. XXX. XXX. XXX
IPv6 address	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX
IPv6 subnet prefix length	XXX
IPv6 default gateway	XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX: XXXX
MAC address	XX:XX:XX:XX:XX:XX
IPsec settings	Disable
Pre-shared key	XXXXXXXXXXXXXXXX
Printer name	XXXXXXXXXXXXXX
Bonjour service name	XXXXXXXXXXXXX XXXXXXXXXXXXX XXXXXXXXXXXXX XXXXXXXXXXXXX

("XX" represents alphanumeric characters.)

◦ **Print LAN details**

You can print out the network settings of the machine such as its IP address and SSID.

For more information on the machine's network setting is printed out:

Printing Out Network Setting Information

Important

- This printout contains valuable information about your computer. Handle it with care.

- **Other settings**

Important

- You cannot select the items below when **Disable LAN** is selected for **Change LAN**.

◦ **Set printer name**

Specifies the printer name. You can use up to 15 characters for the name.

Note

- You cannot use the same printer name as that already used for other LAN connected devices.
- You cannot use a hyphen for the initial or last character of the printer name.

◦ **TCP/IP settings**

Performs IPv4 or IPv6 setting.

◦ **WSD setting**

Setting items when you use WSD (one of the network protocols supported in Windows 8.1, Windows 8, Windows 7, and Windows Vista).

Enable/disable WSD

Selects whether WSD is enabled or disabled.

Note

- When this setting is enabled, the printer icon is displayed on the Network Explorer in Windows 8.1, Windows 8, Windows 7 and Windows Vista.

WSD scan from this device

Selecting **Enable** allows you to transfer the scanned data to the computer using WSD.

Timeout setting

Specifies the timeout length.

◦ **Bonjour settings**

Setting items for LAN using Bonjour for Mac OS.

Enable/disable Bonjour

Selecting **Enable** allows you to use Bonjour to perform the network settings.

Service name

Specifies the Bonjour service name. You can use up to 48 characters for the name.

Note

- You cannot use the same service name as that already used for other LAN connected devices.

◦ **LPR protocol setting**

Activates/deactivates the LPR setting.

◦ **PictBridge communication**

Setting items for printing from a PictBridge (Wireless LAN) compliant device.

Enable/disable communication

Selecting **Enable** allows you to print from a PictBridge (Wireless LAN) compliant device.

Timeout setting

Specifies the timeout length.

◦ **Wireless LAN DRX setting**

Selecting **Enable** allows you to activate discontinuous reception when using wireless LAN. It allows you to save electricity.

Note

- Depending on the access point you are using, discontinuous reception may not be activated even though **Enable** is selected.
- Discontinuous reception is activated only while the machine is on standby. (The LCD is in the screen saver mode.)

◦ **Access point mode settings**

When you use the machine as an access point, specify the access point name and the security setting.

Using the Machine with the Access Point Mode

Device user settings

- **Date display format**

  Changes the display format of dates when printed.

- **Key repeat**

  Enables/Disables continuous input by pressing and holding down the ▲, ▼, ◄, ►, **+**, or **-** button when setting the number of copies, changing the photo displayed on the LCD, setting the zoom ratio, etc.

- **Device info sending setting**

  Selects whether you will send the printer usage information to Canon server. The information sent to Canon will be utilized to develop better products. Select **Agree** to send the printer usage information to Canon server.

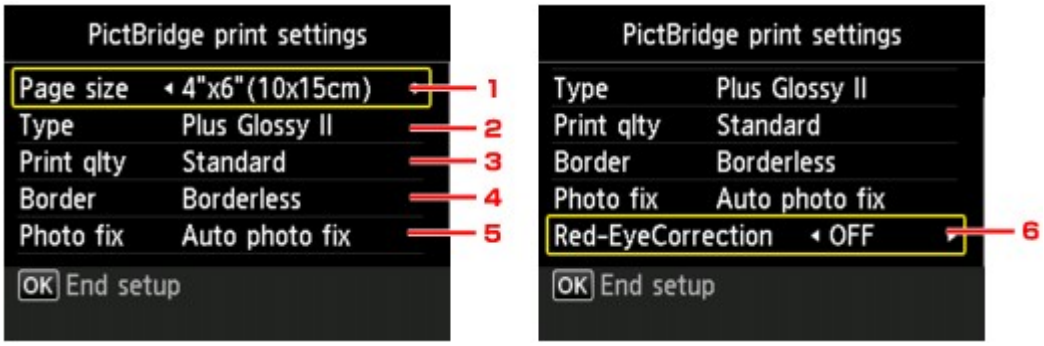
PictBridge print settings

You can change the print settings when printing from a PictBridge (Wireless LAN) compliant device.

Set the print settings to **Default** on the PictBridge (Wireless LAN) compliant device when you want to print according to the settings on the machine.

To change print settings from the PictBridge (Wireless LAN) compliant device:

Settings on a PictBridge (Wireless LAN) Compliant Device



1. **Page size**

   Select the paper size when printing directly from a PictBridge (Wireless LAN) compliant device.

   When you perform PictBridge (Wireless LAN) settings from the machine, set **Paper size** to **Default** on the PictBridge (Wireless LAN) compliant device.

2. **Type** (Media type)

   Select the media type when printing directly from a PictBridge (Wireless LAN) compliant device.

   When you perform PictBridge (Wireless LAN) settings from the machine, set **Paper type** to **Default** on the PictBridge (Wireless LAN) compliant device.

3. **Print qlty** (Print quality)

   Select the print quality when printing directly from a PictBridge (Wireless LAN) compliant device.

4. **Border** (Bordered/Borderless print)

   Select the bordered/borderless layout.

   When you perform PictBridge (Wireless LAN) settings from the machine, set **Layout** to **Default** on the PictBridge (Wireless LAN) compliant device.

5. **Photo fix**

   When **Auto photo fix** is selected, the scene or person's face of a shot photo is recognized and the most suitable correction for each photo is made automatically. It makes a darkened face by backlight brighter to print. It also analyzes a scene such as scenery, night scene, person, etc. and corrects each scene with the most suitable color, brightness, or contrasts automatically to print.

   Note

   - As a default, photos on a PictBridge (Wireless LAN) compliant device are printed with auto correction applied.

- If **No correction** is selected, photos are printed without correction.

6. **Red-EyeCorrection**

   Select **ON** to correct red eyes in portraits caused by flash photography.

   Depending on the type of the photo, red eyes may not be corrected or parts other than the eyes may be corrected.

Language selection

Changes the language for messages and menus on the LCD.

Firmware update

You can update the firmware of the machine, check the firmware version, or perform settings of a notification screen, a DNS server and a proxy server.

Note

- Only **Check current version** is available when **Disable LAN** is selected for **Change LAN** in **LAN settings**.

- **Install update**

  Performs the firmware update of the machine. If you select **Yes**, the firmware update starts. Follow the on-screen instructions to perform update.

  Important

  - When you use this function, make sure that the machine is connected to the Internet.

  Note

  - If the firmware update is not complete, check the following and take an appropriate action.
    - Check the network settings such as an access point or a router.
    - If **Cannot connect to the server.** is displayed on the LCD, press the **OK** button, then try again after a while.

- **Check current version**

  You can check the current firmware version.

- **Update notification setting**

  When **ON** is selected and the firmware update is available, the screen to inform you of the firmware update is displayed on the LCD.

- **DNS server setup**

  Performs settings for a DNS server. Select **Auto setup** or **Manual setup**. If you select **Manual setup**, follow the display on the LCD to perform settings.

- **Proxy server setup**

  Performs settings for a proxy server. Follow the display on the LCD to perform settings.

Cassette settings

By registering the paper size and the media type loaded in the cassette, you can prevent the machine from misprinting by displaying the message before printing starts when the paper size or the media type of the loaded paper differs from the print settings.

For details:

Paper Setting for Printing

- **Register cassette paper info**

  Registers the paper size and the media type you load in the cassette.

  Note

  - When you register the paper size and the media type, the screen to select whether you apply the settings to those for copying is displayed. Select **Yes** to apply the registered settings to copying.
  - For details on the proper combination of paper settings you can specify by the printer driver or on the LCD:

    Setting the Media Type with the Printer Driver and on the Printer

    Setting the Paper Size with the Printer Driver and on the Printer

- **Detect paper setting mismatch**

  If you select **Yes**, the machine detects whether the paper size and the media type are the same as those registered in **Register cassette paper info**. If printing starts with the settings that do not match, an error message is displayed on the LCD.

  Note

  - When **No** is selected, **Register cassette paper info** or **Detect cassette reinsertion** is disabled.

- **Detect cassette reinsertion**

  If you select **Yes**, the machine detects the cassette is reinserted. When the **Register cassette paper info** screen is displayed, register the paper size and the media type.

Reset setting

You can change the settings back to the default.

- **Web service setup only**

  Reverts the Web service settings back to the default.

- **LAN settings only**

  Reverts the LAN settings other than the administrator password specified by IJ Network Tool back to the default.

- **Settings only**

  Reverts the settings such as the paper size or media type back to the default.

- **Device info sending setting only**

  Reverts only the device information sending settings.

- **Reset all**

  Reverts all settings you made to the machine back to the default. The administrator password specified by IJ Network Tool reverts to the default setting.

Note

- You cannot change the following setting items back to the default:
  - The language displayed on the LCD
  - The current position of the print head

About ECO settings

This setting allows you to use automatic duplex printing as a default to save paper and to turn the machine on/off automatically to save electricity.

Using Duplex Printing

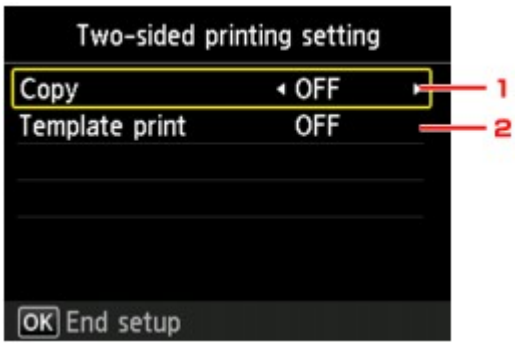
Using Power Saving Function

Using Duplex Printing

Follow the procedure below to use duplex printing.

1. Make sure that the machine is turned on.
2. Select ECO **ECO settings** on the **HOME** screen.

   LCD and Operation Panel
3. Select **Two-sided printing setting**, then press the **OK** button.
4. Use the ▲▼ button to change the setting item, use the ◄► button to change the setting, then use the **OK** button to confirm the selection.



1. **Copy**

   Sets two-sided copying as a default.
2. **Template print**

   Sets two-sided printing of template forms on the machine as a default.

Note

- When duplex printing is selected, the ECO icon is displayed on each menu of the **HOME** screen or on the setting items for duplex printing on each print setting screen.

Using Power Saving Function

Follow the procedure below to use power saving function.

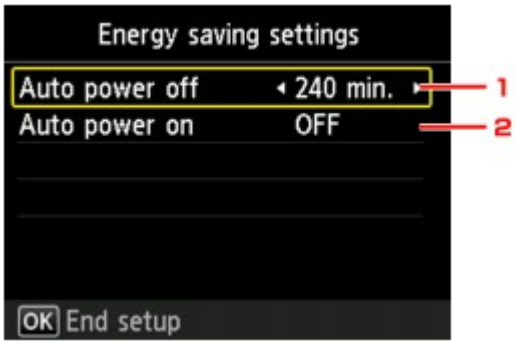
1. Make sure that the machine is turned on.

2. Select **ECO settings** on the **HOME** screen.

   LCD and Operation Panel

3. Select **Energy saving settings**, then press the **OK** button.

4. Use the ▲▼ button to change the setting item, use the ◄► button to change the setting, then use the **OK** button to confirm the selection.



   1. **Auto power off**

      Specifies the length of time to turn the machine off automatically when no operation is made or no printing data is sent to the machine.

      Note

      - The Auto power off setting is invalid when using the machine via a network and the network connection is enabled.

        You can check the connection status from **WLAN setting list** in **Confirm LAN settings** under **LAN settings**.

   2. **Auto power on**

      Selecting **ON** enables the machine to turn on automatically when a scanning command from a computer or printing data is sent to the machine.

About Quiet setting

Enables this function on the machine if you want to reduce the operating noise, such as when printing at night.

Follow the procedure below to perform setting.

1. Make sure that the machine is turned on.

2. Select **Quiet setting** on the **HOME** screen.

   LCD and Operation Panel

3. Use the ▲▼ button to select **Use quiet mode**, then press the **OK** button.

   The confirmation screen is displayed, then the icon appears as the **Quiet setting** menu icon.

   Activate this setting to reduce the operating noise while printing is in progress.

   Important

   - Operating speed may be reduced compared to when **Do not use quiet mode** is selected.
   - This function may not be so effective depending on the machine's setting. Furthermore, certain noise, such as when the machine is preparing for printing, is not reduced.

   Note

   - You can set the quiet mode from the operation panel of the machine or the printer driver. No matter how you set the quiet mode, the mode is applied when you perform operations from the operation panel of the machine or printing and scanning from the computer.

Using the Machine with the Access Point Mode

By using the machine as an access point in an environment that does not have wireless LAN router or access point, or by using the machine as an access point temporarily in an environment that has wireless LAN router or access point, you can connect the machine to an external device such as a computer or a smartphone and print/scan from them.

This section describes how to enable the access point mode, the access point name of the machine, and the security setting.

- How to enable the Access Point Mode
- Printing/Scanning with the Access Point Mode
- How to terminate the Access Point Mode
- Setting of the Access Point Mode

Important

- Before using the machine with the access point mode, confirm the usage restrictions then switch the machine to the access point mode.

  Restrictions
- If you use the machine with the access point mode for the long time, it is recommended that you change the default access point name and the default password to the combination of numbers and letters with the point of view of security.

How to enable the Access Point Mode

Enable the access point mode following the procedure below.

1. Make sure that the machine is turned on.
2. Select **Setup** on the **HOME** screen.

   LCD and Operation Panel
3. Select **Device settings**, then press the **OK** button.
4. Use the ▲▼ button to select **LAN settings**, then press the **OK** button.
5. Use the ▲▼ button to select **Change LAN**, then press the **OK** button.
6. Use the ▲▼ button to select **Access point mode active**, then press the **OK** button.

   The access point name (SSID) that set currently is displayed. (When using the machine for the first time, the default setting is displayed.)

   When detecting the machine from the external device such as a computer or a smartphone, you can detect with the access point name (SSID).

Note

- Pressing the right **Function** button displays the security setting.

  The password required when connecting from the external device is also displayed.
- You can specify the access point name (SSID) and the security setting optionally.

  Setting of the Access Point Mode

7. Press the left **Function** button.

   The access point mode is enabled and the machine can be used as an access point.

Printing/Scanning with the Access Point Mode

Print/Scan with the access point mode following the procedure below.

1. Connect an external device such as a computer or a smartphone to the machine via wireless LAN.

   Perform wireless LAN settings with your external device, then assign the access point name specified for the machine as a destination.

   Note

   - For details on how to perform wireless LAN settings with an external device, refer to the device's instruction manual.
   - When a WPA2-PSK (AES) password is valid on the machine, entering the password is required to connect an external device to the machine via wireless LAN. Enter the password specified for the machine.

2. Start printing or scanning from an external device such as a computer or a smartphone.

   Note

   - For details on how to print or scan from an external device such as a computer or a smartphone via wireless LAN, refer to the device's or application's instruction manual.

How to terminate the Access Point Mode

In environments that the machine is connected with the computer over the wireless LAN usually, set the machine to the wireless LAN connection following the procedure below when you finish using the machine with the access point mode temporarily.

1. Select **Setup** on the **HOME** screen.

   LCD and Operation Panel

2. Select **Device settings**, then press the **OK** button.

3. Use the ▲▼ button to select **LAN settings**, then press the **OK** button.
4. Use the ▲▼ button to select **Change LAN**, then press the **OK** button.
5. Use the ▲▼ button to select **Wireless LAN active**, then press the **OK** button.

   If you do not use the machine over wireless LAN, select **Disable LAN**.

Setting of the Access Point Mode

Specify the settings for the access point mode following the procedure below.

1. Make sure that the machine is turned on.
2. Select **Setup** on the **HOME** screen.

   LCD and Operation Panel
3. Select **Device settings**, then press the **OK** button.
4. Use the ▲▼ button to select **LAN settings**, then press the **OK** button.
5. Use the ▲▼ button to select **Other settings**, then press the **OK** button.
6. Use the ▲▼ button to select **Access point mode settings**, then press the **OK** button.

   The screen to enter the access point name (SSID) is displayed.
7. Press the **OK** button.
8. Enter the access point name (up to 32 characters).

   Enter the access point name when you use the machine as an access point.
9. Press the left **Function** button to finish entering the name.
10. Press the left **Function** button to finish specifying the access point name.
11. Use the ▲▼ button to select the security setting, then press the **OK** button.

    Disable

    Finishes the access point settings without specifying the security setting.

    WPA2-PSK (AES)

    Specifies the security setting applying WPA2-PSK (AES). Proceed to the next step when the screen to specify the password is displayed.
12. Press the **OK** button.

13. Enter the password (8 to 10 characters).

14. Press the left **Function** button to finish entering the password.

15. Press the left **Function** button to finish specifying the password setting.

Note

- If you change the access point mode setting of the machine, also change the access point setting of the external device such as a computer or a smartphone.

Information about Network Connection

- Useful Information about Network Connection

Useful Information about Network Connection

- **Default Values Set at Factory (Network)**
- **Connecting the Machine to the Computer Using a USB Cable**
- **When Detecting the Printers Have the Same Name**
- **Connecting to Other Computer with LAN/Changing the Connection Method from USB to LAN**
- **Printing Out Network Setting Information**

Default Values Set at Factory (Network)

Default Values of the LAN Connection

Item	The default
Change LAN	**Disable LAN**
SSID	BJNPSETUP
Communication mode	**Infrastructure**
Wireless LAN security	**Disable**
IP address (**IPv4**)	**Auto setup**
IP address (**IPv6**)	**Auto setup**
Set printer name*	XXXXXXXXXXXX
Enable/disable IPv6	**Enable**
Enable/disable WSD	**Enable**
Timeout setting	**1 minute**
Enable/disable Bonjour	**Enable**
Service name	Canon MG5600 series
LPR protocol setting	**Enable**
PictBridge communication	**Enable**
Wireless LAN DRX setting	**Enable**

("XX" represents alphanumeric characters.)

* The default value in this item varies by machine. You can check the value in this item using the operation panel on the machine.

LAN settings

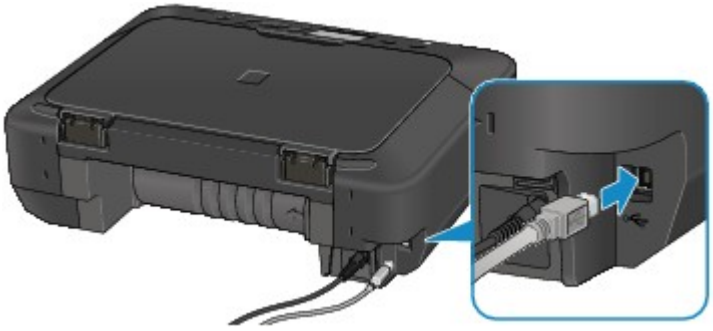
Default Values of the Access Point Mode

Item	The default
SSID (access point name)	XXXXXX-MG5600series
Wireless LAN security	**WPA2-PSK (AES)**
Password	Serial number of the machine

(XXXXXX is the last six digits of MAC address of the machine.)

Connecting the Machine to the Computer Using a USB Cable

Connect the machine and the computer using a USB cable as the illustration below. The USB port is located on the rear of the machine.



When Detecting the Printers Have the Same Name

When the printer is detected, you may see multiple printers of the same name on the detection result screen. The printer names on the screen are displayed with the MAC address added at the end of the names or displayed as the printer name specified by Bonjour.

Select a printer with checking the MAC address, the printer name specified by Bonjour, or the serial number set to the printer against that on the detection result screen.

Note

- A serial number may not be displayed on the detection result screen.

To check the MAC address of the printer, print out the network setting information using the operation panel of the printer.

Printing Out Network Setting Information

Additionally, you can check the network setting information on the LCD of the printer. Select **WLAN setting list** from **Confirm LAN settings** in **LAN settings** under **Device settings**, and check the item displayed on the LCD.

LAN settings

Connecting to Other Computer with LAN/Changing the Connection Method from USB to LAN

To add the computer connecting the machine with LAN or to change the connection method between the machine and the computer from USB to LAN, perform setup according to the instructions on our website.

Connecting to Other Computer with LAN

To add the computer connecting the machine with LAN, perform setup according to the instructions on our website.

Changing the Connection Method from USB to LAN

To change the connection method to LAN while you are using the machine with USB connection, perform setup again according to the instructions on our website and select **Change Connection Method**.

Printing Out Network Setting Information

You can print out the current network settings of the machine using the operation panel of the machine.

Important

- This print out contains valuable information about your computer. Handle it with care.

1. Make sure that the machine is turned on.
2. Load a sheet of A4 or Letter-sized plain paper.
3. Select **Setup** on the **HOME** screen.

   LCD and Operation Panel

   The menu screen is displayed.
4. Select **Device settings**, then press the **OK** button.
5. Use the ▲▼ button to select **LAN settings**, then press the **OK** button.
6. Use the ▲▼ button to select **Confirm LAN settings**, then then press the **OK** button.
7. Use the ▲▼ button to select **Print LAN details**, then press the **OK** button.
8. Use the ▲▼ button to select **Yes**, then press the **OK** button to start printing.

   The machine starts printing the network setting information.

   The following information on the machine's network setting is printed out.

Item	Explanations of the item	Setting
Wireless LAN	Wireless LAN	Enable/Disable
Connection	Connection status	Active/Inactive
MAC Address	MAC Address	XX:XX:XX:XX:XX:XX
SSID	SSID	SSID of the wireless LAN/SSID of the access point mode
Password	Password	Password of the access point mode (8 to 10 alphanumeric characters)
Communication Mode	Communication Mode	Infrastructure/Access Point Mode
Channel *1	Channel	XX (1 to 13)
Encryption	Method of the Encryption	none/WEP/TKIP/AES
WEP Key Length	WEP Key Length	Inactive/128/64

Authentication	Method of the Authentication	none/auto/open/shared/WPA-PSK/WPA2-PSK
Signal Strength	Signal Strength	0 to 100 [%]
TCP/IP Version	TCP/IP Version	IPv4 & IPv6/IPv4
IPv4 IP Address	Selected IP Address (IPv4)	XXX.XXX.XXX.XXX
IPv4 Default Gateway	Default Gateway (IPv4)	XXX.XXX.XXX.XXX
Subnet Mask	Subnet Mask	XXX.XXX.XXX.XXX
IPv6 IP Address *2	Selected IP Address (IPv6)	XXXX:XXXX:XXXX:XXXX XXXX:XXXX:XXXX:XXXX
IPv6 Default Gateway *2	Default Gateway (IPv6)	XXXX:XXXX:XXXX:XXXX XXXX:XXXX:XXXX:XXXX
Subnet Prefix Length *2	Subnet Prefix Length	XXX
IPsec *3	IPsec setting	Active
Security Protocol *3	Method of the Security Protocol	ESP/ESP & AH/AH
Wireless LAN DRX	Discontinuous reception (wireless LAN)	Enable/Disable
Other Settings	Other settings	-
Printer Name	Printer name	Printer name (Up to 15 alphanumeric characters)
WSD	WSD setting	Enable/Disable
WSD Timeout	Timeout	1/5/10/15/20 [min]
LPR Protocol	LPR protocol setting	Enable/Disable
Bonjour	Bonjour setting	Enable/Disable
Bonjour Service Name	Bonjour service name	Bonjour service name (Up to 52 alphanumeric characters)
PictBridge Commun.	PictBridge Communication	Enable/Disable
DNS Server	Getting DNS Server automatically	Auto/Manual
Primary Server	Primary server address	XXX.XXX.XXX.XXX
Secondary Server	Secondary server address	XXX.XXX.XXX.XXX
Proxy Server	Proxy Server setting	Enable/Disable
Proxy Port	Specifying Proxy Port	1 to 65535
Proxy Address	Proxy Address	XXXXXXXXXXXXXXXXXXX

("XX" represents alphanumeric characters.)

*1 Depending on the country or region of purchase, one of the channels from 1 to 11 is printed.

*2 Only when IPv6 is enabled, the status of the network is printed.

*3 Only IPv6 and the IPsec setting are enabled, the status of the network is printed.

About Network Communication

- Changing and Confirming Network Settings
- Appendix for Network Communication

Changing and Confirming Network Settings

- IJ Network Tool
- Canon IJ Network Tool Screen
- Canon IJ Network Tool Menus
- Changing the Settings in the Wireless LAN Sheet
- Changing the WEP Detailed Settings
- Changing the WPA/WPA2 Detailed Settings
- Changing the Settings in the Wired LAN Sheet
- Changing the Settings in the Admin Password Sheet
- Monitoring Wireless Network Status
- Initializing the Network Settings of the Machine
- Viewing the Modified Settings

IJ Network Tool

IJ Network Tool is a utility that enables you to display and modify the machine network settings. It is installed when the machine is set up.

Important

- To use the machine over LAN, make sure you have the equipment necessary for the connection type, such as an access point or a LAN cable.
- Do not start up IJ Network Tool while printing.
- Do not print when IJ Network Tool is running.
- If the firewall function of your security software is turned on, a message may appear warning that Canon software is attempting to access the network. If the warning message appears, set the security software to always allow access.

Starting up IJ Network Tool

1. Select **Applications** from the **Go** menu of Finder, double-click **Canon Utilities** > **IJ Network Tool**, and double-click the **Canon IJ Network Tool** icon.

Depending on the printer you are using, an administrator password is already specified for the printer at the time of purchase. When you change the network settings, authentication by the administrator password is required.

For details:

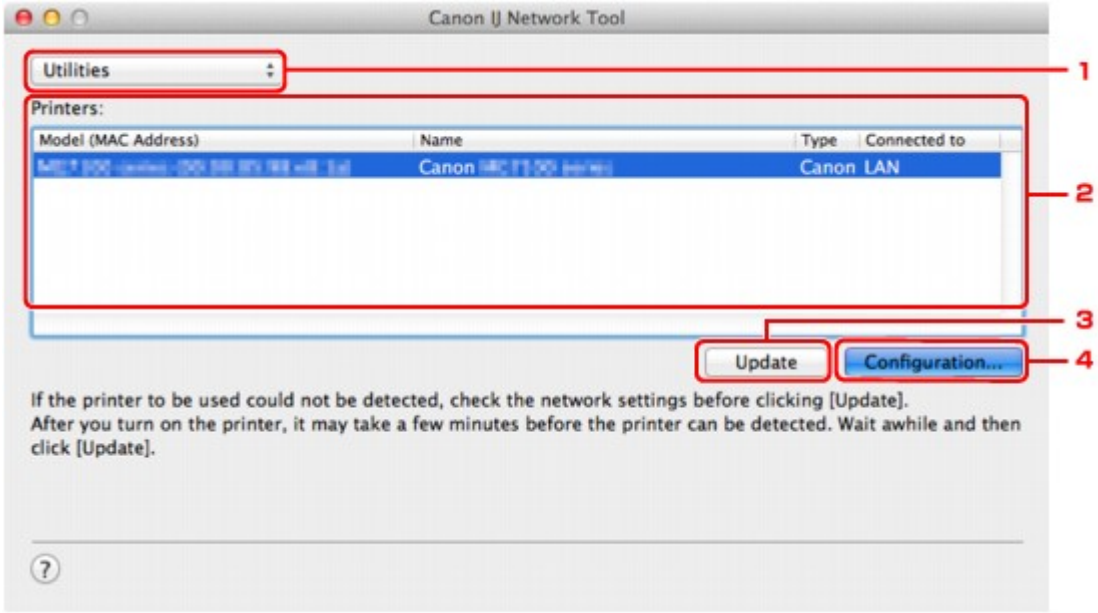
About the Administrator Password

For improving security, it is recommended to change the administrator password.

Changing the Settings in the Admin Password Sheet

Canon IJ Network Tool Screen

This section describes the items displayed on the **Canon IJ Network Tool** screen.



1. **Utilities**

   Modifies the settings of the machine.

   Select to change the network name (SSID) settings.

   Setup

   Sets up the machine.

   If you setup the machine from scratch, connect your computer and the machine with a USB cable.

2. **Printers:**

   Printer name, type, and connection destination are displayed.

   The selected printer can be set up or be modified.

3. **Update**

   Performs printer detection again. Click this button if the target printer is not displayed.

Important

- To change the printer's network settings using IJ Network Tool, it must be connected via a LAN.
- If the printer on a network is not detected, make sure that the printer is turned on, then click **Update**. It may take several minutes to detect printers. If the printer is not yet detected, connect the machine and the computer with a USB cable, then click **Update**.
- If the printer is being used from another computer, a screen is displayed informing you of this condition.

Note

- This item has the same function as **Refresh** in the **View** menu.

4. **Configuration...**

Enabled when **Utilities** is selected. Click to display the **Configuration** screen to configure settings of the selected printer.

Note

- This item has the same function as **Configuration...** in the **Settings** menu.

Canon IJ Network Tool Menus

This section describes the menus in **Canon IJ Network Tool**.

1. **Canon IJ Network Tool** menu

About Canon IJ Network Tool

Displays the version of this application.

Quit Canon IJ Network Tool

Exits IJ Network Tool.

2. **View** menu

Status

Displays the **Status** screen to confirm the printer connection status and wireless communication status.

In the access point mode, this item is grayed out and you cannot confirm the printer connection status.

Refresh

Updates and displays the contents of **Printers:** to the latest information.

Important

- To change the printer's network settings using IJ Network Tool, it must be connected via a LAN.
- If the printer on a network is not detected, make sure that the printer is turned on, then select **Refresh**. It may take several minutes to detect printers. If the printer is not yet detected, connect the machine and the computer with a USB cable, then select **Refresh**.
- If the printer is being used from another computer, a screen is displayed informing you of this condition.

Note

- This item has the same function as **Update** in the **Canon IJ Network Tool** screen.

Network Information

Displays the **Network Information** screen to confirm the network settings of the printer.

3. **Settings** menu

Configuration...

Displays the **Configuration** screen to configure settings of the selected printer.

Note

- This item has the same function as **Configuration...** in the **Canon IJ Network Tool** screen.

Maintenance...

Displays the **Maintenance** screen to revert the network settings of the printer to factory default.

Set up printer's wireless LAN...

You can change the access point mode settings. Perform settings following the message on the screen.

If you change the **Encryption Method:** setting and the **Password:** setting, on the **Set up printer's wireless LAN** screen, the changed settings are applied to the printer settings.

Note

- You can use this function only when you are using a computer compatible with the wireless LAN.

4. **Help** menu

Instructions

Displays this guide.

Changing the Settings in the Wireless LAN Sheet

To change the wireless network settings of the printer, connect the printer and the computer with a USB cable temporarily. If you modify the wireless network settings of the computer over wireless connection without USB connection, your computer may not be able to communicate with the machine after modifying the settings.

Note

- This screen is not available depending on the printer you are using.
- Activate the wireless LAN setting of the printer to change the settings in the **Wireless LAN** sheet.

1. Start up IJ Network Tool.

2. Select the printer in **Printers:**.

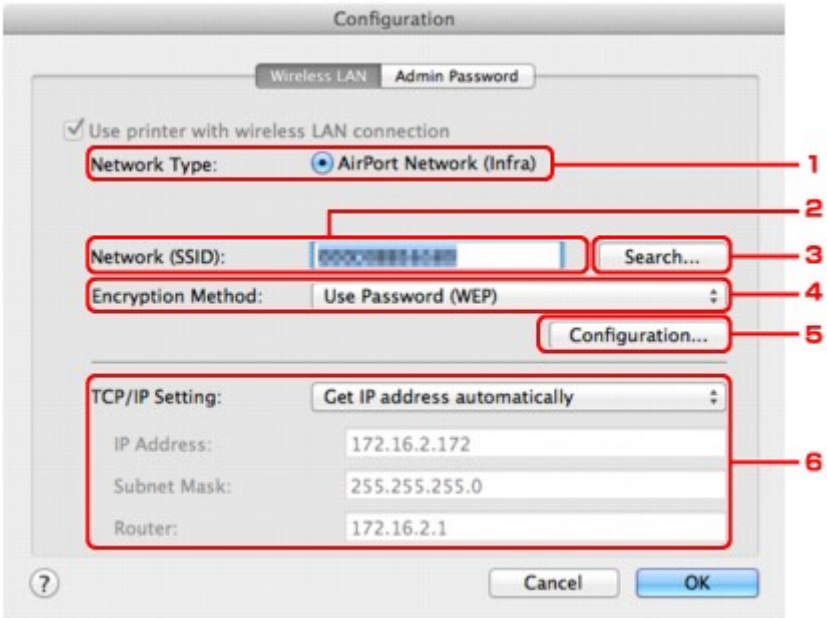
   When the printer is connected to the computer with a USB cable temporarily, select the printer with **USB** appearing in the **Connected to** column.

3. Click the **Configuration...** button.

4. Click the **Wireless LAN** button.

5. Change the settings or confirm.

   Click **OK** after changing configuration. A screen is displayed asking you for confirmation before the settings are sent to the printer. If you click **OK**, the settings are sent to the printer and the **Transmitted Settings** screen is displayed.



1. **Network Type:**

   Displays the wireless LAN mode currently selected.

   AirPort Network (Infra)

   Connects the printer to the wireless LAN with an access point.

Access point mode

Connects external wireless communication devices (e.g. computers, smartphones, or tablets) to the printer using it as an access point.

Note

- When **Access point mode** is displayed on **Network Type:**, you cannot change the settings on the **Wireless LAN** sheet or the **Admin Password** sheet.
- You can perform setting from **Set up printer's wireless LAN...** on the **Settings** menu when you use the printer with the access point mode.

  Depending on the printer you are using, you can change the settings using the operation panel.

2. **Network (SSID):**

The network name (SSID) of the wireless LAN currently used is displayed.

In the access point mode, the access point name (SSID) of the printer is displayed.

Note

- Enter the same SSID that the access point is configured to use. The SSID is case-sensitive.

3. **Search...**

The **Access Points** screen is displayed to select an access point to connect to.

Access Points Screen

Note

- When IJ Network Tool runs over a LAN, the button is grayed out and cannot be selected. Connect the printer and the computer with a USB cable temporarily to change the settings.

4. **Encryption Method:**

Select the encryption method used over the wireless LAN.

Important

- If all encryption types of the access point, printer, or computer do not match, the printer cannot communicate with the computer. If the printer cannot communicate with the computer after the encryption type of the printer was switched, make sure that encryption types for the computer and the access point match that set to the printer.
- If you connect to a network that is not protected with security measures, there is a risk of disclosing data such as your personal information to a third party.

Do Not Use

Select to disable encryption.

Use Password (WEP)

Transmission is encrypted using a WEP key you specified.

If a network password (WEP) has not been set, the **WEP Details** screen is displayed automatically. To change WEP settings set before, click **Configuration...** to display the screen.

Changing the WEP Detailed Settings

Use WPA/WPA2

Transmission is encrypted using a network key you specified.

The security has been strengthened more than WEP.

If a network key has not been set, the **Authentication Type Confirmation** screen is displayed automatically. To change network key settings before, click **Configuration...** to display the **WPA/WPA2 Details** screen.

Changing the WPA/WPA2 Detailed Settings

5. **Configuration...**

   The detailed settings screen is displayed. The network password (WEP) or the WPA/WPA2 key selected in **Encryption Method:** can be confirmed and changed.

   For details on WEP setting:

   Changing the WEP Detailed Settings

   For details on WPA/WPA2 setting:

   Changing the WPA/WPA2 Detailed Settings

6. **TCP/IP Setting:**

   Sets the IP address of the printer to be used over the LAN. Specify a value appropriate for your network environment.

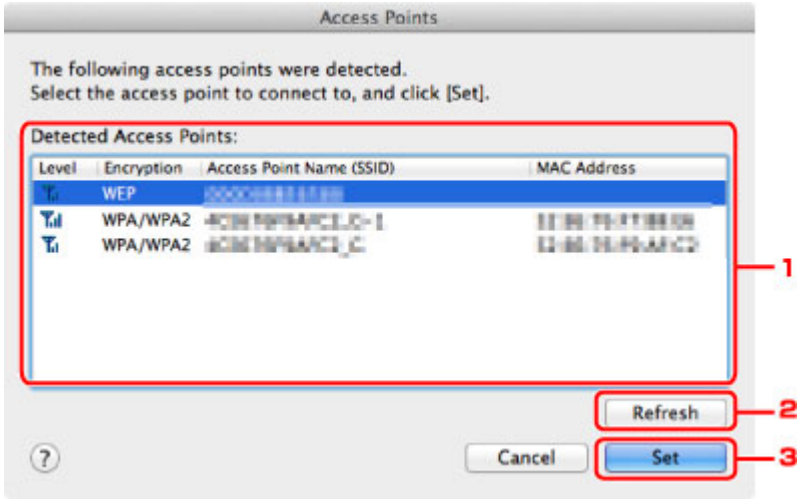
   Get IP address automatically

   Select this option to use an IP address automatically assigned by a DHCP server. DHCP server functionality must be enabled on your wireless LAN router or access point.

   Use following IP address

   Select this option if no DHCP server functionality is available in your setup where you use the printer, or you want to use a particular IP address or a fixed IP address.

- **Access Points Screen**



1. **Detected Access Points:**

   The signal strength from the access point, encryption type, name of access point, and the radio channel can be confirmed.

   Important

   - If you connect to a network that is not protected with security measures, there is a risk of disclosing data such as your personal information to a third party.

Note

- Signal strength is displayed as follows.

  : Good

  : Fair

  : Poor

- Type of encryption is displayed as follows.

  Blank: No encryption

  WEP: WEP is set

  WPA/WPA2: WPA/WPA2 is set

2. **Refresh**

Click to update the list of access points when your target access point is not detected.

If the target access point is set to a closed network (the stealth mode), click **Cancel** to return to the previous screen and enter the network name (SSID) in **Network (SSID)**.

Note

- Make sure that the access point is turned on.

3. **Set**

Click to set the network name (SSID) in **Network (SSID):** on the **Wireless LAN** sheet.

Note

- The **WEP Details** screen or the **WPA/WPA2 Details** screen appears if the selected access point is encrypted. In this case, configure the details to use the same encryption settings set to the access point.
- Access points that cannot be used by this machine (including those configured to use different encryption methods) are displayed grayed out and cannot be configured.

Changing the WEP Detailed Settings

Note

- This screen is not available depending on the printer you are using.

To change the wireless network settings of the printer, connect the printer and the computer with a USB cable temporarily. If you modify the wireless network settings of the computer over wireless connection without USB connection, your computer may not be able to communicate with the machine after modifying the settings.

1. Start up IJ Network Tool.

2. Select the printer in **Printers:**.

   When the printer is connected to the computer with a USB cable temporarily, select the printer with **USB** appearing in the **Connected to** column.

3. Click the **Configuration...** button.

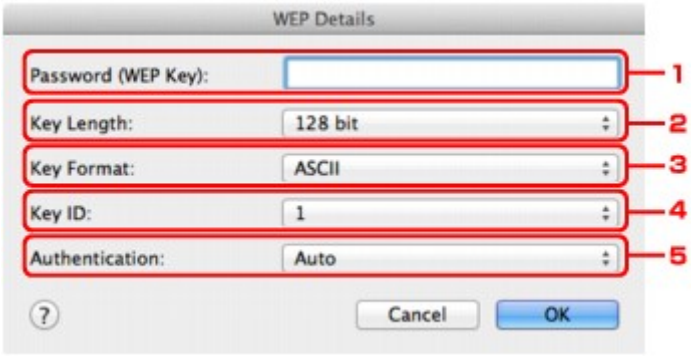
4. Click the **Wireless LAN** button.

5. Select **Use Password (WEP)** in **Encryption Method:** and click **Configuration...**.

   The **WEP Details** screen is displayed.

6. Change the settings or confirm.

   When changing the password (WEP key), the same change must be made to the password (WEP key) of the access point.



1. **Password (WEP Key):**

   Enter the same key as the one set to the access point.

   The number of characters and character type that can be entered differ depending on the combination of the key length and key format.

		Key Length	
		64 bit	**128 bit**
Key Format	**ASCII**	5 characters	13 characters

	Hexadecimal (**Hex**)	10 digits	26 digits

2. **Key Length:**

   Select either **64 bit** or **128 bit**.

3. **Key Format:**

   Select either **ASCII** or **Hex**.

4. **Key ID:**

   Select the Key ID (index) set to the access point.

   Note

   - When the printer is connected to an AirPort Base Station via a LAN:

     When the printer is connected to an AirPort Base Station via a LAN, confirm the settings in **Wireless Security** of **AirPort Utility**.

     - Select **64 bit** if **WEP 40 bit** is selected for the key length in the AirPort Base Station.
     - Select **1** for **Key ID:**. Otherwise your computer will not be able to communicate with the printer via the access point.

5. **Authentication:**

   Select the authentication method to authenticate the printer's access to the access point.

   Normally, select **Auto**. If you want to specify the method manually, select **Open System** or **Shared Key** according to the setting of the access point.

7. Click **OK**.

Important

- If the printer cannot communicate with the computer after the encryption type of the printer was switched, make sure that encryption types for the computer and the access point match that set to the printer.

Changing the WPA/WPA2 Detailed Settings

Note

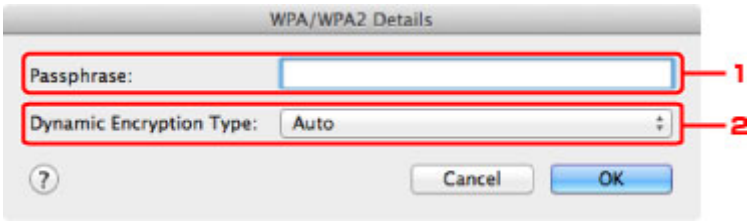
- This screen is not available depending on the printer you are using.

To change the wireless network settings of the printer, connect the printer and the computer with a USB cable temporarily. If you modify the wireless network settings of the computer over wireless connection without USB connection, your computer may not be able to communicate with the machine after modifying the settings.

The example screenshots in this section refer to the WPA detailed settings.

1. Start up IJ Network Tool.
2. Select the printer in **Printers:**.

   When the printer is connected to the computer with a USB cable temporarily, select the printer with **USB** appearing in the **Connected to** column.
3. Click the **Configuration...** button.
4. Click the **Wireless LAN** button.
5. Select **Use WPA/WPA2** in **Encryption Method:** and click **Configuration...**.
6. Enter the passphrase, then click **OK**.



1. **Passphrase:**

   Enter the passphrase set to the access point. The passphrase should be a string of 8 to 63 alphanumeric characters or a 64-digit hexadecimal value.

   If you do not know the access point passphrase, refer to the instruction manual provided with the access point or contact its manufacturer.
2. **Dynamic Encryption Type:**

   The dynamic encryption method is selected from either TKIP (basic encryption) or AES (secure encryption) automatically.

Important

- If **Auto** is not displayed on **Dynamic Encryption Type:**, select either **TKIP(Basic Encryption)** or **AES(Secure Encryption)**.

- If the printer cannot communicate with the computer after the encryption type of the printer was switched, make sure that encryption types for the computer and the access point match that set to the printer.

Note

- This machine supports WPA/WPA2-PSK (WPA/WPA2-Personal) and WPA2-PSK (WPA2-Personal).

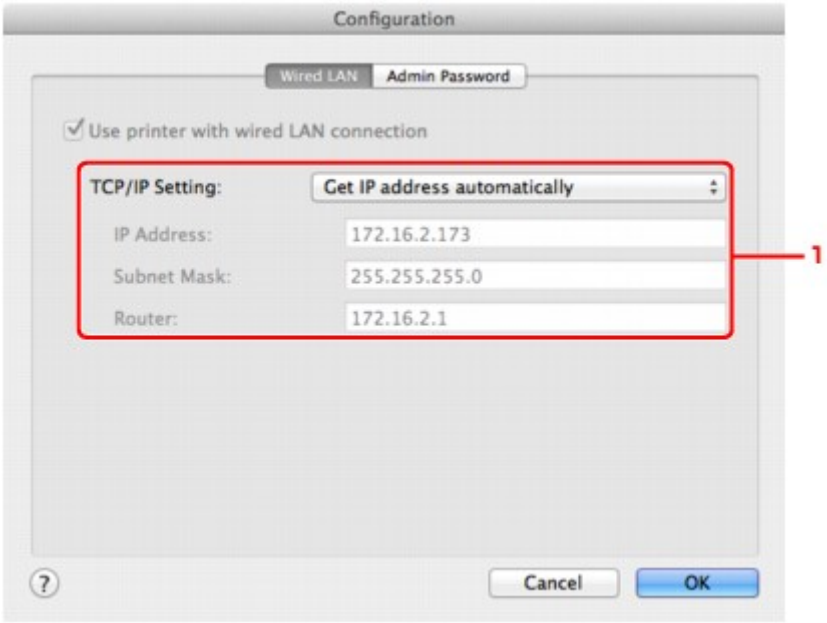
Changing the Settings in the Wired LAN Sheet

Note

- This screen is not available depending on the printer you are using.
- Activate the wired LAN setting of the printer to change the settings in the **Wired LAN** sheet.

1. Start up IJ Network Tool.
2. Select the printer in **Printers:**.
3. Click the **Configuration...** button.
4. Click the **Wired LAN** button.
5. Change the settings or confirm.

   Click **OK** after changing configuration. A screen is displayed asking you for confirmation before the settings are sent to the printer. If you click **OK**, the settings are sent to the printer and the **Transmitted Settings** screen is displayed.



1. **TCP/IP Setting:**

   Sets the IP address of the printer to be used over the LAN. Specify a value appropriate for your network environment.

   Get IP address automatically

   Select this option to use an IP address automatically assigned by a DHCP server. DHCP server functionality must be enabled on your router.

   Use following IP address

   Select this option if no DHCP server functionality is available in your setup where you use the printer, or you want to use a particular IP address or a fixed IP address.

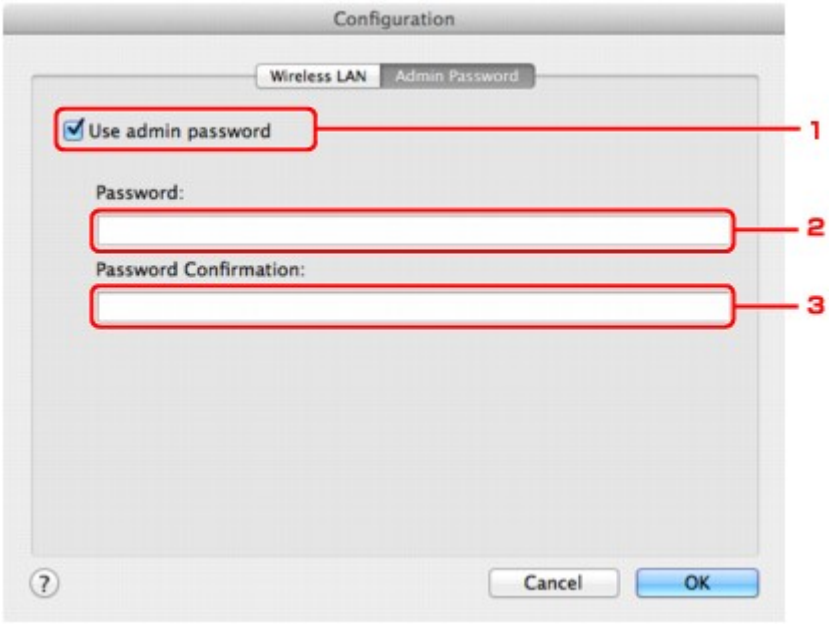
Changing the Settings in the Admin Password Sheet

Note

- You cannot change the settings when using the access point mode.

1. Start up IJ Network Tool.
2. Select the printer in **Printers:**.
3. Click the **Configuration...** button.
4. Click the **Admin Password** button.

   The **Admin Password** sheet is displayed.
5. Change the settings or confirm.



   1. **Use admin password**

      Set an administrator password with privileges to set up and change detailed options. To use this feature, select this check box and enter a password.

      Important

      - The password should consist of alphanumeric characters and be no longer than 32 characters. The password is case-sensitive. Do not forget the password you set.

   2. **Password:**

      Enter the password to set.

   3. **Password Confirmation:**

      Enter the password again for confirmation.

6. Click **OK**.

A screen is displayed asking you for confirmation before the settings are sent to the printer. If you click **OK**, the settings are sent to the printer and the **Transmitted Settings** screen is displayed.

Enter Password Screen

The following screen is displayed if an administrator password is set to the printer.

- **Admin Password**

  Enter the administrator password that was set. For security purposes, your password is not displayed as you type it.

  Important

  - If you forget the administrator password you specified, initialize the printer to revert the password to the default setting.

- **OK**

  Click this item after you enter the administrator password.

- **Cancel**

  This item returns you to list of detected printers. If you do not enter the correct administrator password, you cannot operate the printer.

Monitoring Wireless Network Status

Note

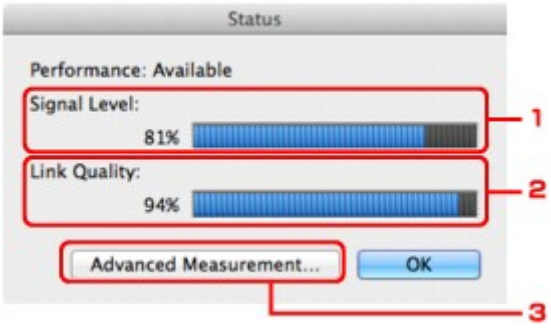
- This screen is not available depending on the printer you are using.
- When using the machine over the wired LAN, you cannot monitor network status.

1. Start up IJ Network Tool.

2. Select the printer in **Printers:**.

3. Select **Status** from the **View** menu.

   The **Status** screen is displayed and you can check the printer status and connection performance.



   1. **Signal Level:**

      Indicates the strength of the signal received by the printer, ranging from 0% to 100%.

   2. **Link Quality:**

      Indicates the signal quality excluding the noise while communicating, ranging from 0% to 100%.

      ### Important

      - If the indicated value is low, move your printer closer to the wireless network device.

   3. **Advanced Measurement...**

      Click to examine the connection performance between the printer and the access point. Follow the instructions on the screen to start measuring and display the status. Measurement takes a few minutes.

      When is displayed in **Connection performance between the printer and the access point:**, the printer can communicate with the access point. Otherwise, refer to displayed comments and Help for improving the status of communication link, and click **Remeasurement**.

      - Check that the printer and the access point are located within the wireless connectivity range with no obstacles between them.
      - Check if the distance between the printer and the access point is not too far.

        If they are too far, move them closer together (within 164 ft./50 m).
      - Check that there is no barrier or obstacle between the printer and the access point.

        In general, connection performance decreases for communications through walls or between different floors. Adjust the locations to avoid such situations.
      - Check that there are no sources of radio interference near the printer and the access point.

The wireless connection may use the same frequency band as microwave ovens and other sources of radio interference. Try to keep the printer and the access point away from such sources.

- Check if the radio channel of the access point is close to that of other access points nearby.

  If the radio channel of the access point is close to that of other access points nearby, the connection performance may become unstable. Be sure to use a radio channel that does not interfere with other access points.

- Check that the printer and the access point face each other.

  Connection performance may depend on the orientations of the wireless devices. Replace the access point and the printer in another direction to achieve the best performance.

- Check whether other computers are not accessing the printer.

  If appears in the result of the measurement, check whether other computers are not accessing the printer.

If still appears even if you have tried the above, finish the measurement, then restart the IJ Network Tool to start over the measurement.

Note

- If any messages appear on **Overall Network Performance:**, move the machine and access point as instructed to improve the performance.

Initializing the Network Settings of the Machine

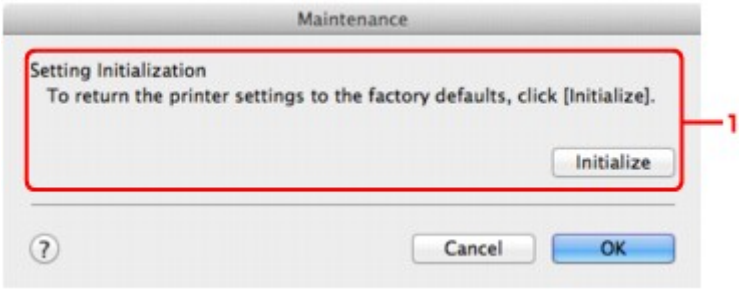
Important

- Note that initialization erases all network settings on the machine, and printing or scanning operation from a computer over network may become impossible. To use the machine over network, perform setup according to the instructions on our website.

1. Start up IJ Network Tool.

2. Select the printer in **Printers:**.

3. Select **Maintenance...** from the **Settings** menu.



1. **Setting Initialization**

   Initialize

   Reverts all the network settings of the printer to factory default.

4. Click **Initialize**.

   The **Setting Initialization** screen is displayed.

   Click **OK** to initialize the network settings of the printer. Do not turn off the printer during initialization.

   Click **OK** when initialization is complete.

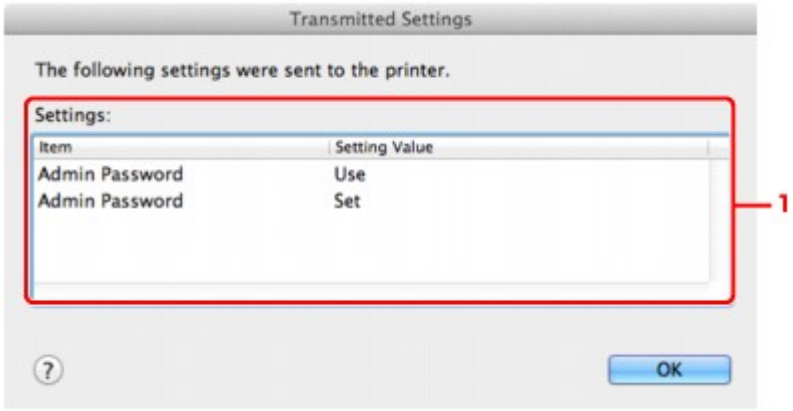
   Performing initialization when connected over wireless LAN will break the connection, so perform setup according to the instructions on our website.

Note

- You can change the network settings of the printer using IJ Network Tool with USB connection after initializing the LAN settings. To change the network settings using Canon IJ Network Tool, activate wireless LAN in advance.

Viewing the Modified Settings

The **Confirmation** screen is displayed when you modified the printer settings on the **Configuration** screen. When you click **OK** on the **Confirmation** screen, the following screen is displayed for confirming the modified settings.



1. **Settings:**

   A list of changes made in the **Configuration** screen is displayed.

Appendix for Network Communication

- Using the Card Slot over a Network
- About Technical Terms
- Restrictions

Using the Card Slot over a Network

Note

- This screen is not available depending on the printer you are using.

Mounting the Card Slot as the Network Drive

Restrictions on Card Slot Use over a Network

Mounting the Card Slot as the Network Drive

The card slot must be mounted to use it over a network.

To mount the card slot as the network drive, follow the procedure below.

1. Insert a memory card into the card slot of the machine.
2. Check the current printer name.

   You can check the current printer name on the LCD of the printer.
3. On Finder, click the **Go** menu and **Connect to Server**.
4. Input "smb://xxxxxxxxxxxx/canon_memory/", then click **Connect**.

   For example, if the current printer name is "123ABC000000", then input "smb://123ABC000000/canon_memory/".
5. Make sure that the card slot is mounted.

   When the card slot is mounted, the following icon appears on the desktop or in the **Computer** window on the **Go** menu of Finder.

Note

- The authentication screen may appear. If it appears, you do not need to input the password.
- If you cannot mount the card slot with the method above, input the IP address of the machine instead of the current printer name, and try again. For example, "smb://192.168.1.1/canon_memory/". If you mount the card slot with the IP address, you have to remount it whenever the machine's IP address changes.

Restrictions on Card Slot Use over a Network

- You cannot write data to a memory card in the card slot over a network. You can only read data from a memory card.

- The card slot can be shared by multiple computers, if the machine is connected to a network. Multiple computers can read files from a memory card in the card slot at the same time.
- If your computer joins a domain, the card slot may not be mounted as the network drive.
- If you use the memory card stored the large size files or many files, a large amount of card access may be generated. In this case, the operation in the memory card may be impossible or slow. Operate after the **Access** lamp of the machine is lit.
- When you access the network drive for the card slot over the network, file names consisting of eight or less lowercase letters (not including its extension) may be shown in uppercase.

  For example, a file name such as "abcdefg.doc" will be "ABCDEFG.DOC", while a name such as "AbcdeFG.doc" will appear the same.

  The file is not actually renamed, but merely appears to be changed.
- Disable the function to write files to a memory card from a computer to read files from a memory card over a network.

About Technical Terms

In this section, technical terms used in the manual are explained.

A

B

C

D

F

I

K

L

M

N

P

R

S

T

U

W

A

- **Access Point**

  A wireless transceiver or base station that receives information from wireless clients/the machine and rebroadcasts it. Required in an infrastructure network.

- **Access point mode**

  The machine is used as an access point to connect external wireless communication devices (e.g. computers, smartphones, or tablets) in an environment where no access point or wireless LAN router is available. You can connect up to 5 devices to the machine using the access point mode.

- **Ad-hoc**

  Client computer and machine setting where wireless communication occurs on a peer-to-peer basis, i.e., all clients in with the same SSID/network name communicate directly with each other. No access point is required. This machine does not support ad-hoc communication.

- **Admin Password**

  Administrator password in IJ Network Tool to restrict access to network users. It must be entered to access the printer and change printer settings.

- **AES**

  An encryption method. It is optional for WPA/WPA2. Strong cryptographic algorithm adopted within U.S. government organizations for information processing.

- **AirPort Network (Infra)**

  Client computer and machine setup where all wireless communications pass through an access point.

- **Authentication Method**

  The method that an access point uses to authenticate a printer through a wireless LAN. The methods are agreeable each other.

  When using WEP as an encryption method, the authentication method is able to fix to **Open System** or **Shared Key**.

  For WPA/WPA2, authentication method is PSK.

  - **Auto**

    The printer automatically changes its authentication method to match the access point.

  - **Open System**

    In this authentication method, the communication partner is authenticated without using WEP key even if **Use Password (WEP)** is selected.

  - **Shared Key**

    In this authentication method, the communication partner is authenticated using the WEP key that was set for encryption.

B

- **Bonjour**

  A service built into Mac OS X operating system to detect the connectable devices on a network automatically.

C

- **Channel**

  Frequency channel for wireless communication. In the infrastructure mode, the channel is automatically adjusted to match that set to the access point. This machine supports channels 1 to 13. (Channels 12 and 13 are not supported depending on the country or region of purchase.) Note that the number of channels that can be used for your wireless LAN varies depending on the region or country.

D

- **DHCP server functionality**

  The router or the access point assigns an IP address automatically whenever the printer or the personal computer on a network starts up.

- **DNS server**

  A server that converts device names into IP addresses. When specifying IP addresses manually, specify the addresses of both a primary and a secondary server.

F

- **Firewall**

  It is a system that prevents an unlawful computer access in the network. To prevent, you can use the firewall function of a broadband router, the security software installed in the computer, or operation system for computer.

I

- **IEEE 802.11b**

  International standard for wireless LAN using the 2.4 GHz frequency range with a throughput of up to 11 Mbps.

- **IEEE 802.11g**

  International standard for wireless LAN using the 2.4 GHz frequency range with a throughput of up to 54 Mbps. Compatible with 802.11b.

- **IEEE 802.11n**

  International standard for wireless LAN using the 2.4 GHz and 5 GHz frequency ranges. Even when using two or more antennas simultaneously or obtaining a bigger transfer rate than before by using multiple communication channels at the same time, the transmission speed may be influenced by the connected apparatus.

  At the maximum transfer rate of 600 Mbps, it is possible to communicate with multiple computer terminals within a dozen or so metre radius.

  Compatible with 802.11b and 802.11g.

- **IP Address**

  A unique number with four parts separated by dots. Every network device that is connected to the Internet has an IP address. Example: 192.168.0.1

  An IP address is usually assigned by an access point or a DHCP server of the router automatically.

- **IPv4/IPv6**

  They are internetwork-layer protocol used on the internet. IPv4 uses 32-bit addresses and IPv6 uses 128-bit addresses.

K

- **Key Format**

  Select either **ASCII** or **Hex** as the Password (WEP) key format. The character that can be used for the WEP key differs depending on the selected key formats.

  - ASCII

    Specify with a 5 or 13-character string that can include alphanumeric and underscore "_" characters. It is case-sensitive.

  - Hex

    Specify a 10-digit or 26-digit string that can contain hexadecimal (0 to 9, A to F, and a to f).

- **Key Length**

  Length of the WEP key. Select either 64 bits or 128 bits. Longer key length allows you to set a more complex WEP key.

L

- **Link Quality**

  The status of connection between the access point and the printer excluding noise (interference) is indicated with a value from 0 to 100%.

- **LPR**

  A platform-independent printing protocol used in TCP/IP networks. It is not supported bidirectional communication.

M

- **MAC Address (AirPort ID)**

  Also known as the physical address. A unique and permanent hardware identifier that is assigned to network devices by its manufacturer. MAC addresses are 48 bits long and are written as a hexadecimal number separated by colons, i.e., 11:22:33:44:55:66.

N

- **Network (SSID)**

  Unique label for wireless LAN. It is often represented such as a network name or a access point name.

  SSID distinguishes one wireless LAN from another to prevent interference.

  The printer and all clients on a wireless LAN must use the same SSID in order to communicate with each other. The SSID can be up to 32 characters long, and is made up of alphanumeric characters. The SSID may also be referred to by its network name.

P

- **Password (WEP)/Password (WEP Key)**

  An encryption method employed by IEEE 802.11. Shared security key used to encrypt and decrypt data sent over wireless networks. This printer supports key length of 64 bits or 128 bits, key format of ASCII code or Hexadecimal, and key number of 1 to 4.

- **Performance**

  Indicates the status on whether the printer can be used.

- **Proxy server**

  A server that links a LAN-connected computer to the Internet. When using a proxy server, specify the address and the port number of the proxy server.

- **PSK**

  An encryption method employed by WPA/WPA2.

R

- **Router**

  A relay device to connect to another network.

S

- **Signal Level**

  The strength of the signal received by the printer from the access point is indicated with a value from 0 to 100%.

- **SSID**

  Unique label for wireless LAN. It is often represented such as a network name or an access point name.

  SSID distinguishes one wireless LAN from another to prevent interference.

  The printer and all clients on a wireless LAN must use the same SSID in order to communicate with each other. The SSID can be up to 32 characters long, and is made up of alphanumeric characters. The SSID may also be referred to by its network name.

- **Stealth**

  In the stealth mode, an access point hides itself by not broadcasting its SSID. The client must specify the SSID set to the access point to detect it.

  The stealth mode is called a "closed network".

- **Subnet Mask Address**

  IP address has two components, the network address and the host address. Subnet Mask used to calculate the Subnet Mask address from the IP address. A Subnet Mask is usually assigned by an access point or a DHCP server of the router automatically.

  Example:

  IP Address: 192.168.127.123

  Subnet Mask: 255.255.255.0

  Subnet Mask Address: 192.168.127.0

T

- **TCP/IP**

  Suite of communications protocols used to connect hosts on the Internet or the LAN. This protocol allows different terminals to communicate with each other.

- **TKIP**

  An encryption protocol employed by WPA/WPA2.

U

- **USB**

  Serial interface designed to enable you to "hot-swap" devices, i.e., by plugging and unplugging them without turning off the power.

W

- **WEP/WEP Key**

  An encryption method employed by IEEE 802.11. Shared security key used to encrypt and decrypt data sent over wireless networks. This printer supports key length of 64 bits or 128 bits, key format of ASCII code or Hexadecimal, and key number of 1 to 4.

- **Wi-Fi**

  International association that certifies interoperability of wireless LAN products based on the IEEE 802.11 specification.

  This machine is a Wi-Fi authorized product.

- **Wireless LAN**

  A network that, instead of being connected by physical wires, is connected by a wireless technology, such as Wi-Fi.

- **WPA**

  Security framework announced by the Wi-Fi Alliance in October 2002. The security has been strengthened more than WEP.

  - Authentication

    WPA defines the following authentication methods: WPA Personal that can be used without an authentication server, plus WPA Enterprise that do require an authentication server.

    This machine supports WPA Personal.

  - Passphrase

    This encrypted key is used to perform WPA Personal authentication.

    The passphrase should be a string of 8 to 63 alphanumeric characters or a 64-digit hexadecimal value.

- **WPA2**

  Security framework released by the Wi-Fi Alliance in September 2004 as a later version of WPA. Provides a stronger encryption mechanism through Advanced Encryption Standard (AES).

  - Authentication

    WPA2 defines the following authentication methods: WPA2 Personal that can be used without an authentication server, plus WPA2 Enterprise that do require an authentication server.

    This machine supports WPA2 Personal.

  - Passphrase

    This encrypted key is used to perform WPA2 Personal authentication.

    The passphrase should be a string of 8 to 63 alphanumeric characters or a 64-digit hexadecimal value.

- **WPS (Wi-Fi Protected Setup)**

  WPS is a standard for easy and secure establishment of a wireless network.

  There are 2 primary methods used in the Wi-Fi Protected Setup:

  PIN entry: a mandatory method of setup for all WPS certified devices

  Push button configuration (PBC): an actual push button on the hardware or through a simulated push button in the software.

Restrictions

If you use a printer over the wireless LAN, the printer may recognize nearby wireless systems, you should set a network key (WEP or WPA/WPA2) to the access point to encrypt wireless transmission. Wireless communication with a product that does not comply with the Wi-Fi standard cannot be guaranteed.

Connecting with too many computers may affect the printer performance, such as printing speed.

Tips for Ensuring Optimal Printing Quality

- Useful Information about Ink
- Key Points to Successful Printing
- Be Sure to Check Paper Settings before Printing
- Be Sure to Set Cassette Paper Information after Loading Paper
- Canceling a Print Job
- Key to Enjoying Consistent Printing Quality
- Precautions for Safe Transport of the Machine

Useful Information about Ink

How is ink used for various purposes other than printing?

Ink may be used for purposes other than printing.

When you use the Canon printer for the first time after you install the bundled ink tanks, the printer consumes a small amount of ink in the amount to enable printing by filling the nozzles of the Print Head with ink. For this reason, the number of sheets that can be printed with the first ink tanks is fewer than the succeeding ink tanks.

The printing costs described in the brochures or websites are based on the consumption data from not the first ink tank /ink cartridge but the succeeding ink tank /ink cartridge.

Ink is sometimes used to maintain the optimal printing quality.

To keep printer's performance, Canon printer performs cleaning automatically according to its condition. When the printer performs cleaning, a small amount of ink is consumed. In this case, all colors of ink may be consumed.

[Cleaning function]

The cleaning function helps the printer to suck air bubbles or ink itself from the nozzle and thus prevents print quality degradation or nozzle clogging.

Does black-and-white printing use color ink?

Black-and-white printing may use ink other than black ink depending on the type of printing paper or the settings of the printer driver. So, color ink is consumed even when printing in black-and-white.

Why does the machine have two black ink tanks?

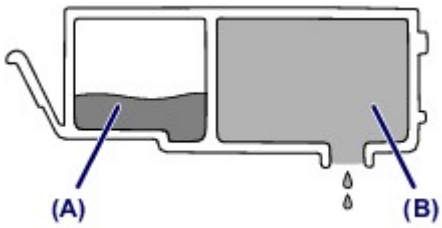
There are two kinds of black ink in the machine: dye ink (BK) and pigment ink (PGBK).

The dye ink is used mainly for printing photos, illustration, etc., and the pigment ink is used for text-based documents. Each has different purposes so that even if one runs out, another will not be used instead. If either of them runs out, the ink tank replacement is required.

These two inks are automatically used depending on the type of printing paper or the settings of the printer driver. You cannot change the usage of these inks yourself.

The ink lamp indicates when ink is running low.

The inside of the ink tank consists of (A) the part where ink is preserved and (B) the sponge with absorbed ink.



When the ink (A) runs out, the ink lamp flashes slowly to indicate that the ink is running low.

Then, when the ink (B) runs out, the ink lamp flashes fast to indicate that the ink tank needs to be replaced with a new one.

- Checking the Ink Status with the Ink Lamps

Key Points to Successful Printing

Check the machine status before printing!

- Is the print head OK?

  If a print head nozzle is clogged, print will be faint and papers will be wasted. Print the nozzle check pattern to check the print head.

  Maintenance Procedure

- Is the inside of the machine smeared with ink?

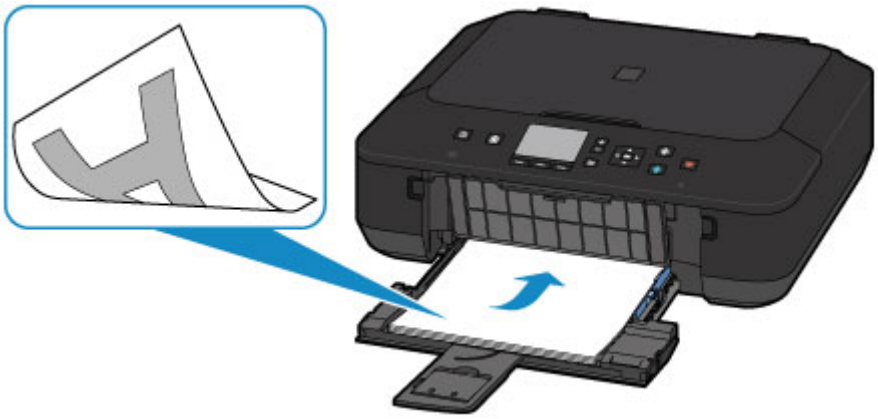
  After printing large quantities of paper or performing borderless printing, the area where papers go through may get smeared with ink. Clean the inside of your machine with Bottom Plate Cleaning.

Check how to load the paper correctly!

- Is the paper loaded in the correct orientation?

  To load paper in the cassette, load paper WITH THE PRINT SIDE FACING DOWN.

  Loading Paper



- Is the paper curled?

  The curled paper causes paper jam. Flatten the curled paper, then reload it.

  "Load the paper after correcting its curl." in Paper Is Smudged/Printed Surface Is Scratched

Be Sure to Check Paper Settings before Printing

Before printing, make paper settings in the operation panel or the computer screen.

There are various types of paper, such as paper with a special surface coating for printing photos at optimal quality and paper suitable for documents.

Each media type has specific preset settings (how ink is used and sprayed, distance from nozzles, etc.), that allow you to print to that type with optimal image quality. The wrong paper settings may cause poor printout color quality or scratches on the printed surface.

If you notice blurring or uneven colors, increase the print quality setting and try printing again.

Be Sure to Set Cassette Paper Information after Loading Paper

When you insert a cassette into the machine after loading paper, the screen for setting the type and size of paper is displayed. Set the cassette paper information according to the type and size of loaded paper.

To prevent incorrect printing, this machine has a function that detects whether the information set for the paper loaded in the cassette matches the paper settings. Before printing, make paper settings in accordance with the cassette paper information. When this function is enabled, an error message is displayed if these settings do not match to prevent incorrect printing. When this error message is displayed, check and correct the paper settings.

To check cassette paper information, display the paper information screen on the operation panel.

Canceling a Print Job

Never press the ON button!

If you press the **ON** button while printing is in progress, the print data sent from the computer queues in the machine and you may not be able to continue to print.

Press the **Stop** button to cancel printing.

Key to Enjoying Consistent Printing Quality

The key to printing with the optimal printing quality is to prevent the print head from drying or clogging. Always observe the following rules for optimal printing quality.

Never unplug the power cord until the power is turned off!

If you press the **ON** button to turn off the power, the machine caps the print head (nozzles) automatically to prevent from drying. If you unplug the power cord from the wall outlet before the **POWER** lamp is turned off, the print head will not be capped properly and this will cause drying or clogging.

When unplugging the power cord, make sure that the **POWER** lamp is not lit.

Print periodically!

Just as the tip of a felt pen becomes dry and unusable if it has not been used for a long time, even if it is capped, the print head too, may become dried or clogged if the machine has not been used for a long time.

We recommend you to use the machine at least once a month.

Note

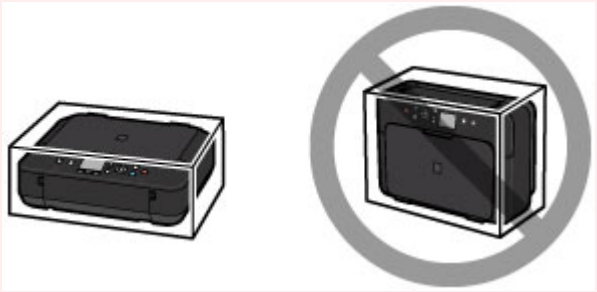
- Depending on the type of paper, ink may blur if you trace the printed area with a highlight pen or paint-stick, or bleed if water or sweat comes in contact with the printed area.

Precautions for Safe Transport of the Machine

When relocating the machine, make sure of the following.

Important

- Pack the machine in a sturdy box so that it is placed with its bottom facing down, using sufficient protective material to ensure safe transport.
- With the print head and ink tank left installed in the machine, press the **ON** button to turn off the power. This allows the machine to automatically cap the print head, thus preventing it from drying.
- After packing, do not tilt the box containing the machine or turn it on its side or upside down. Doing so may cause the ink to leak during transport and cause damage to the machine.
- When a shipping agent is handling transport of the machine, have its box marked "THIS SIDE UP" to keep the machine with its bottom facing down. Mark also with "FRAGILE" or "HANDLE WITH CARE".



1. Turn the machine off.

2. Confirm that the **POWER** lamp is off and unplug the power cord.

   Important

   - Do not unplug the machine while the **POWER** lamp is lit or flashing, as it may cause malfunction or damage to the machine, making the machine unable to print.

3. Retract the paper output support, then close the paper output tray.

4. Retract the output tray extension and the paper support, then close the front cover.

5. Unplug the printer cable from the computer and from the machine, then unplug the power cord from the machine.

6. Use adhesive tape to secure all the covers on the machine to keep them from opening during transportation. Then pack the machine in the plastic bag.

7. Attach the protective material to the machine when packing the machine in the box.

Legal Limitations on Use of Your Product and Use of Images

It may be unlawful to make copies of, scan, print, or use reproductions of the following documents.

The list provided is non-exhaustive. When in doubt, check with a legal representative in your jurisdiction.

- Paper money
- Money orders
- Certificates of deposit
- Postage stamps (canceled or uncanceled)
- Identifying badges or insignias
- Selective service or draft papers
- Checks or drafts issued by governmental agencies
- Motor vehicle licenses and certificates of title
- Traveler's checks
- Food stamps
- Passports
- Immigration papers
- Internal revenue stamps (canceled or uncanceled)
- Bonds or other certificates of indebtedness
- Stock certificates
- Copyrighted works/works of art without permission of copyright owner

Specifications

General Specifications

Printing resolution (dpi)	4800* (horizontal) x 1200 (vertical) * Ink droplets can be placed with a pitch of 1/4800 inch at minimum.
Interface	**USB Port:** Hi-Speed USB *1 **LAN Port:** Wireless LAN: IEEE802.11n / IEEE802.11g / IEEE802.11b *2 *1 A computer that complies with Hi-Speed USB standard is required. Since the Hi-Speed USB interface is fully upwardly compatible with USB 1.1, it can be used at USB 1.1. *2 Setup possible through Standard setup, WPS (Wi-Fi Protected Setup), WCN (Windows Connect Now) or Cableless setup. USB and LAN can be used at the same time.
Print width	8 inches/203.2 mm (for Borderless Printing: 8.5 inches/216 mm)
Operating environment	**Temperature:** 41 to 95 °F (5 to 35 °C) **Humidity:** 10 to 90 % RH (no condensation) * The performance of the printer may be reduced under certain temperature and humidity conditions. Recommended conditions: **Temperature:** 59 to 86 °F (15 to 30 °C) **Humidity:** 10 to 80 % RH (no condensation) * For the temperature and humidity conditions of papers such as photo paper, refer to the paper's packaging or the supplied instructions.
Storage environment	**Temperature:** 32 to 104 °F (0 to 40 °C) **Humidity:** 5 to 95 % RH (no condensation)
Power supply	AC 100-240 V, 50/60 Hz
Power consumption	**Printing (Copy):** Approx. 12 W **Standby (minimum):** Approx. 0.8 W *1*2 **OFF:** Approx. 0.2 W *1 *1 USB connection to PC *2 The wait time for standby cannot be changed.
External dimensions	Approx. 18 (W) x 14.6 (D) x 5.9 (H) inches Approx. 455 (W) x 369 (D) x 148 (H) mm * With the Front Cover retracted.
Weight	Approx. 13.8 lb (Approx. 6.3 kg) * With the Print Head and ink tanks installed.

Print Head/Ink	Total 4096 nozzles (PgBK 1024 nozzles, Y/DyeBK each 512 nozzles, C/M each 1024 nozzles)

Copy Specifications

Multiple copy	max. 99 pages
Intensity adjustment	9 positions, Auto intensity (AE copy)
Reduction / Enlargement	25 % - 400 % (1 % unit)

Scan Specifications

Scanner driver	**Windows:** TWAIN 1.9 Specification, WIA **Mac OS:** ICA
Maximum scanning size	A4/Letter, 8.5" x 11.7"/216 x 297 mm
Scanning resolution	**Optical resolution (horizontal x vertical) max:** 1200 x 2400 dpi *1 **Interpolated resolution max:** 19200 x 19200 dpi *2 *1 Optical Resolution represents the maximum sampling rate based on ISO 14473. *2 Increasing the scanning resolution will limit the maximum possible scanning area.
Gradation (Input / Output)	**Gray:** 16 bit/8 bit **Color:** 48 bit/24 bit (RGB each 16 bit/8 bit)

Network Specifications

Communication protocol	TCP/IP
Wireless LAN	**Supported Standards:** IEEE802.11n / IEEE802.11g / IEEE802.11b **Frequency bandwidth:** 2.4 GHz **Channel:** 1-11 or 1-13 * Frequency bandwidth and available channels differ depending on country or region. **Communication distance:** Indoors 164 feet/50 m * Effective range varies depending on the installation environment and location. **Security:** WEP (64/128 bits) WPA-PSK (TKIP/AES) WPA2-PSK (TKIP/AES) **Setup:** Standard setup WPS (Push button configuration/PIN code method) WCN (WCN-NET) Cableless setup

	Other Features: Administration password

Minimum System Requirements

Conform to the operating system's requirements when higher than those given here.

Windows

Operating System	Windows 8, Windows 8.1 Windows 7, Windows 7 SP1 Windows Vista SP1, Windows Vista SP2 Windows XP SP3 32-bit only
Browser	Internet Explorer 8 or later
Hard Disk Space	3 GB Note: For bundled software installation. The necessary amount of hard disk space may be changed without notice.
Display	XGA 1024 x 768

Mac OS

Operating System	Mac OS X v10.6.8 or later
Browser	Safari 5 or later
Hard Disk Space	1.5 GB Note: For bundled software installation. The necessary amount of hard disk space may be changed without notice.
Display	XGA 1024 x 768

Other Supported OS

Some functions may not be available with each OS. Refer to the manual or the Canon web site for details on operation with iOS, Android, and Windows RT.

Mobile Printing Capability

Apple AirPrint
Google Cloud Print
Print from E-mail
PIXMA Cloud Link

- An internet connection is required to view the *Online Manual*.
- Windows: Operation can only be guaranteed on a computer with Windows 8.1, Windows 8, Windows 7, Windows Vista or Windows XP pre-installed.
- Windows: A CD-ROM Drive or internet connection is required during software installation.
- Windows: Internet Explorer 8, 9, 10 or 11 is required to install Easy-WebPrint EX.

- Windows: Some functions may not be available with Windows Media Center.
- Windows: .NET Framework 4 or 4.5 must be installed to use the Windows software.
- Windows: XPS Essentials Pack is required to print on Windows XP.
- Windows: The TWAIN driver (ScanGear) is based on the TWAIN 1.9 Specification and requires the Data Source Manager bundled with the operating system.
- Mac OS: Hard Disk must be formatted as Mac OS Extended (Journaled) or Mac OS Extended.
- Mac OS: For Mac OS, an internet connection is required during software installation.
- In an in-house network environment, the 5222 port must be open. Contact the network administrator for details.

Information in this guide is subject to change without notice.

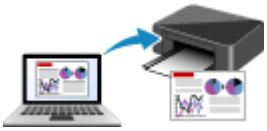
About the Administrator Password

An administrator password "canon" is already specified for the printer at the time of purchase.

Important

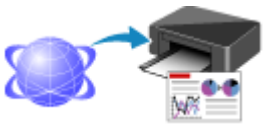
- For security reasons, it is recommended to change the password before you use the printer.
- You can change the password using one of the tools below. (Some tools may not be available depending on the printer you are using.)
  - operation panel of the printer
  - IJ Network Tool
  - printer information screen displayed on some Canon application software
- When you change the password, use 0 to 32 alphanumeric characters.
- If the password has been changed while you are sharing the printer and you do not know the password, ask the administrator of the printer you are using.
- The password reverts to the default setting by initializing the printer settings.

Printing



Printing from a Computer

Printing Using the Operation Panel of the Machine



Printing with Web Service

Printing from a Digital Camera

Paper setting for Printing

Printing from a Computer

- **Printing with Application Software that You are Using (Printer Driver)**

Printing with Application Software that You are Using (Printer Driver)

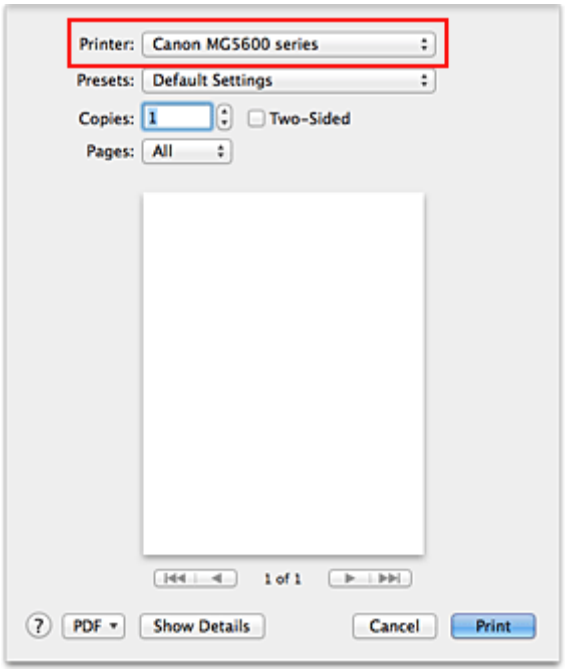
- **Printing with Easy Setup** Basic
- **Various Printing Methods**
- **Changing the Print Quality and Correcting Image Data**
- **Overview of the Printer Driver**
- **Updating the Printer Driver**

Printing with Easy Setup

The simple setup procedure for carrying out appropriate printing on this printer is as follows:

1. Check that the printer is turned on
2. Load paper on the printer
3. Select the printer

   Select your model from the **Printer** list in the Print Dialog.

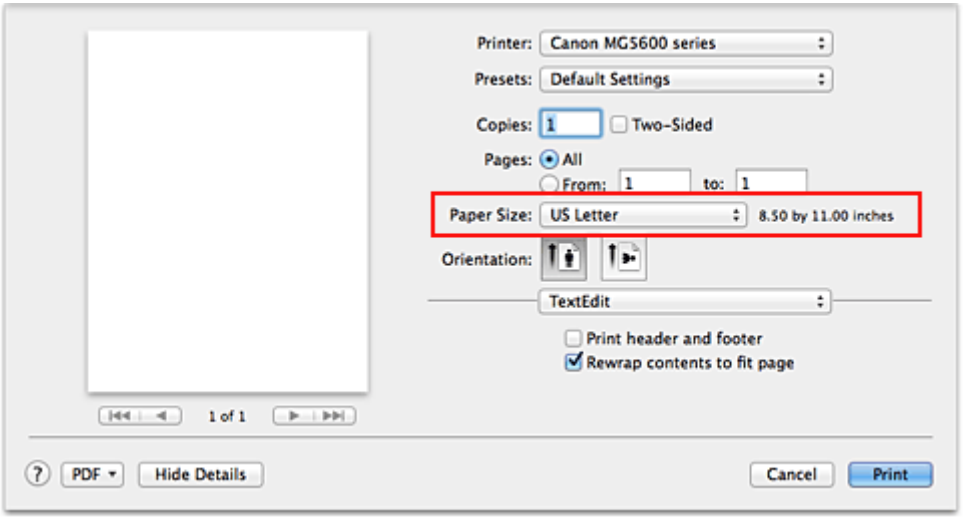


Note

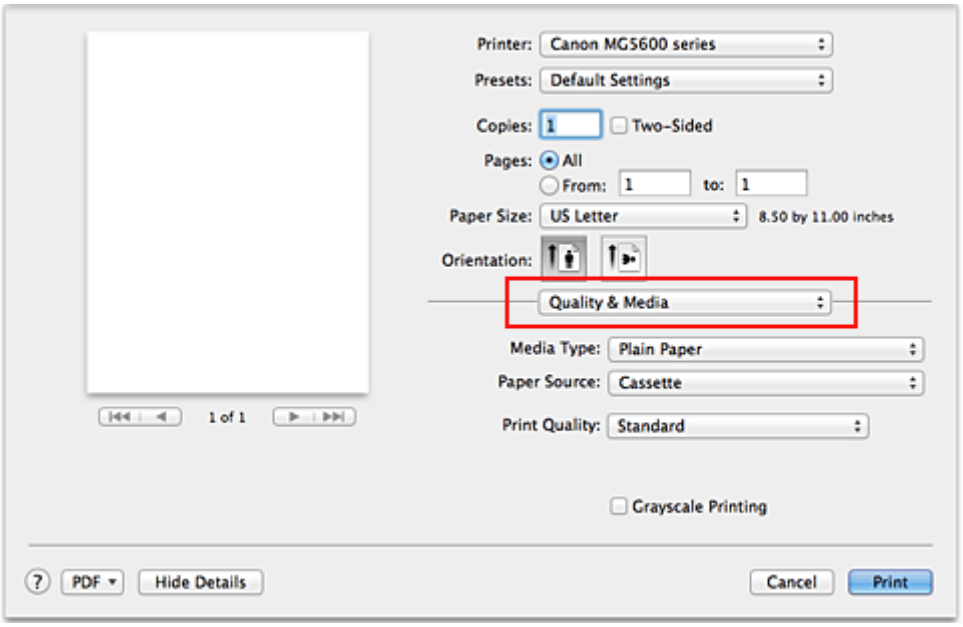
- Click **Show Details** ((the disclosure triangle)) to switch the Setup window to the detailed display.

4. Select the paper size

   For **Paper Size**, select the paper size to be used.
   If necessary, set the number of copies, the pages to be printed, and the orientation.

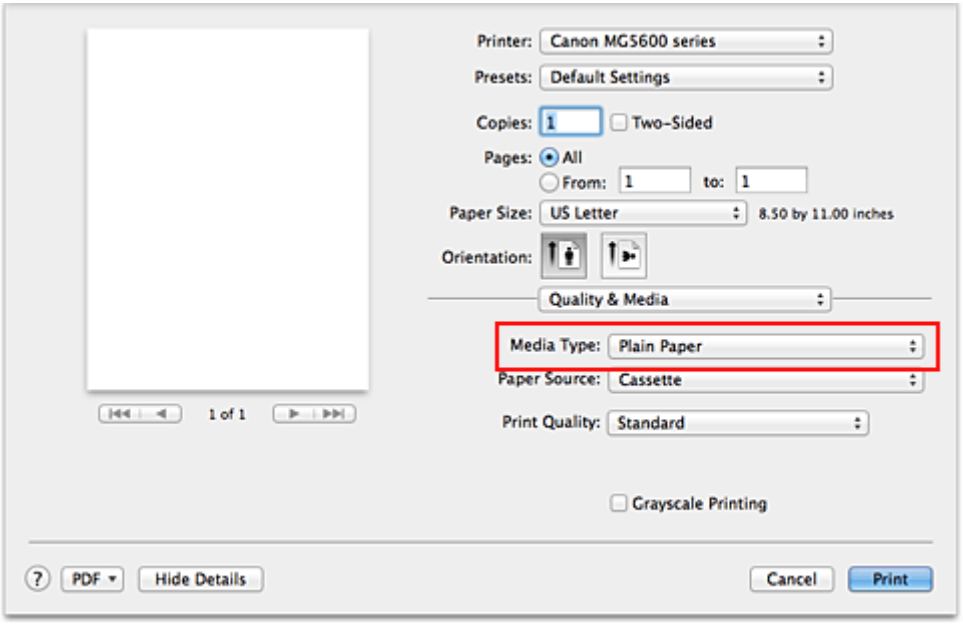


5. Select **Quality & Media** from the pop-up menu



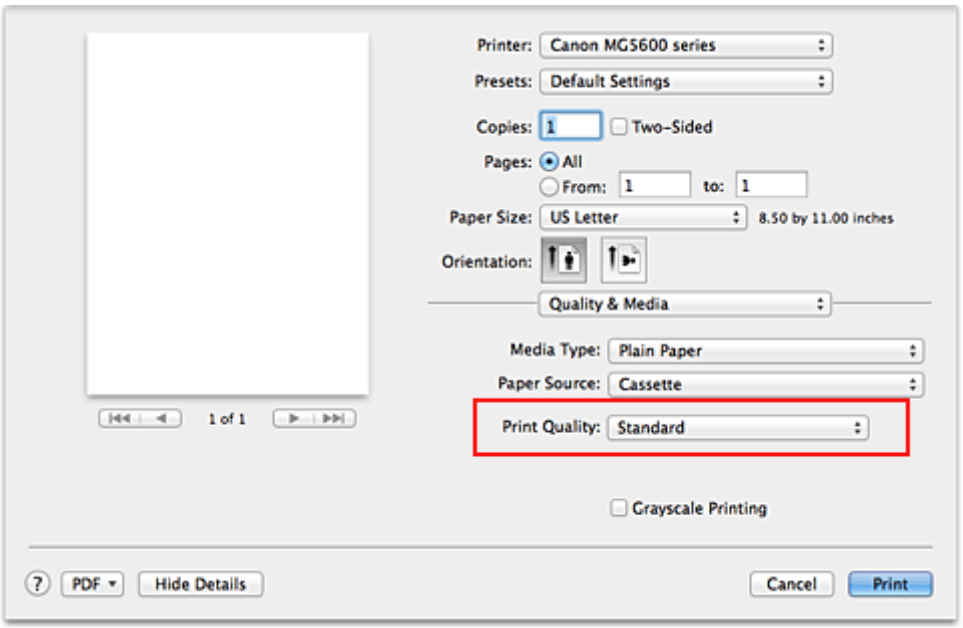
6. Select the media type

   For **Media Type**, select the same paper type loaded in the printer.



7. Select the print quality

For **Print Quality**, select **High**, **Standard**, or **Draft** according to your purpose.

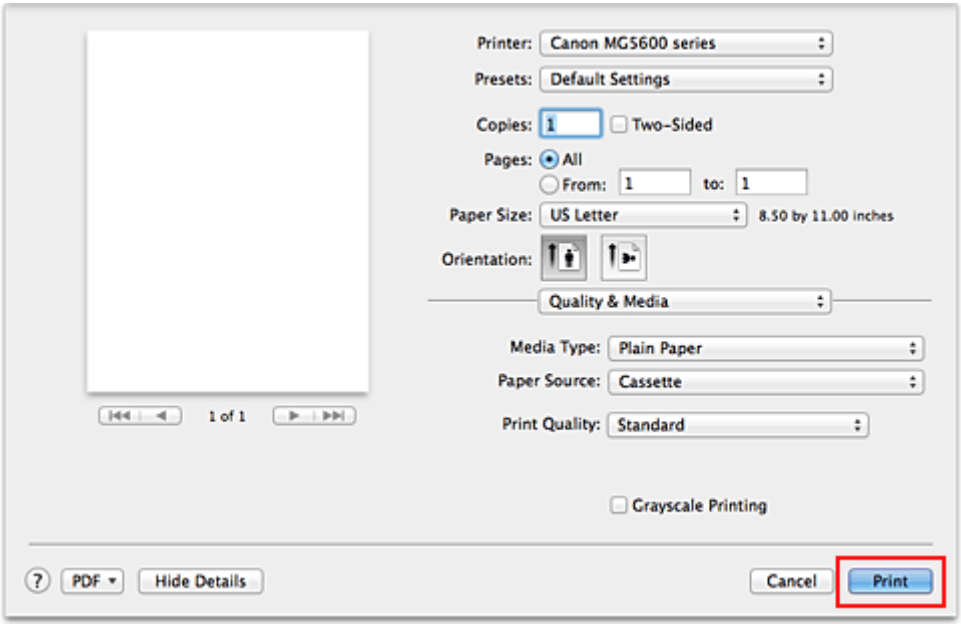


Important

- The print quality settings that can be selected may differ depending on a printing profile.

8. Complete the setup

Click **Print**.
When you execute print, the document will be printed in accordance with the type and size of the media.



Important

- In the **Presets** section, click **Save Current Settings as Preset...** (**Save As...**) to register the specified settings.

Note

- If the paper settings on the print dialog differ from the cassette paper information registered on the printer, an error may occur. For instructions on what to do if an error occurs, see "Paper setting for Printing."
  For details about the cassette paper information to be registered on the printer, see the following:
  - Paper Settings on the Printer Driver and the Printer (Media Type)
  - Paper Settings on the Printer Driver and the Printer (Paper Size)

Paper Settings on the Printer Driver and the Printer (Media Type)

When you use this printer, selecting a media type and paper size that matches the print purpose will help you achieve the best print results.
You can use the following media types on this printer.

Commercially available papers

Media name	**Media Type** in the printer driver	Cassette paper information registered on the printer
Plain Paper (including recycled paper)	**Plain Paper**	Plain paper
Envelopes	**Envelope**	Envelope
Other Photo Paper	**Other Photo Paper**	Other Photo Paper

Canon genuine papers (Photo Printing)

Media name <Model No.>	**Media Type** in the printer driver	Cassette paper information registered on the printer
Photo Paper Plus Glossy II <PP-201>	**Photo Paper Plus Glossy II**	Plus Glossy II
Photo Paper Pro Platinum <PT-101>	**Photo Paper Pro Platinum**	Pro Platinum
Photo Paper Pro Luster <LU-101>	**Photo Paper Pro Luster**	Pro Luster
Photo Paper Plus Semi-gloss <SG-201>	**Photo Paper Plus Semi-gloss**	Plus Semi-gloss
Photo Paper Glossy <GP-501/GP-601>	**Glossy Photo Paper**	Glossy
Matte Photo Paper <MP-101>	**Matte Photo Paper**	Matte

Canon genuine papers (Business Letter Printing)

Media name <Model No.>	**Media Type** in the printer driver	Cassette paper information registered on the printer
High Resolution Paper <HR-101N>	**High Resolution Paper**	High-Res Paper

Canon genuine papers (Original Products)

Media name <Model No.>	**Media Type** in the printer driver	Cassette paper information registered on the printer
T-Shirt Transfers <TR-301>	**T-Shirt Transfers**	Others
Photo Stickers <PS-101>	**Glossy Photo Paper**	Glossy

Paper Settings on the Printer Driver and the Printer (Paper Size)

When you use this printer, selecting a paper size that matches the print purpose will help you achieve the best print results.
You can use the following paper sizes on this printer.

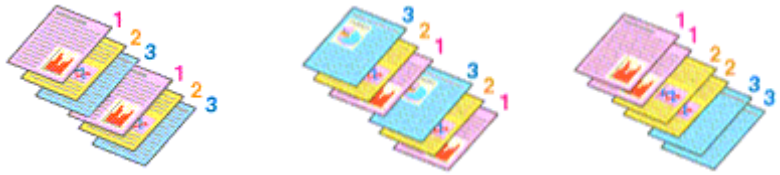
Paper Size in the printer driver	Cassette paper information registered on the printer
US Letter	Letter
US Legal	Legal
A5	A5
A4	A4
JIS B5 (**B5 JIS**)	B5
4 x 6	KG/4"x6"(10x15)
5 x 7	2L/5"x7"(13x18)
8 x 10	8"x10"(20x25cm)
L	L(89x127mm)
Envelope #10	Envelope Com 10
Envelope DL	Envelope DL
Envelope You4	Others
Yougata 6	Others
Custom Size	Others

Various Printing Methods

- Setting the Number of Copies and Printing Order
- Setting the Stapling Margin
- Execute Borderless Printing
- Scaling the Printing to Fit the Paper Size
- Scaled Printing
- Page Layout Printing
- Duplex Printing
- Printing on Postcards
- Displaying the Print Results before Printing
- Setting Paper Dimensions (Custom Size)

Setting the Number of Copies and Printing Order

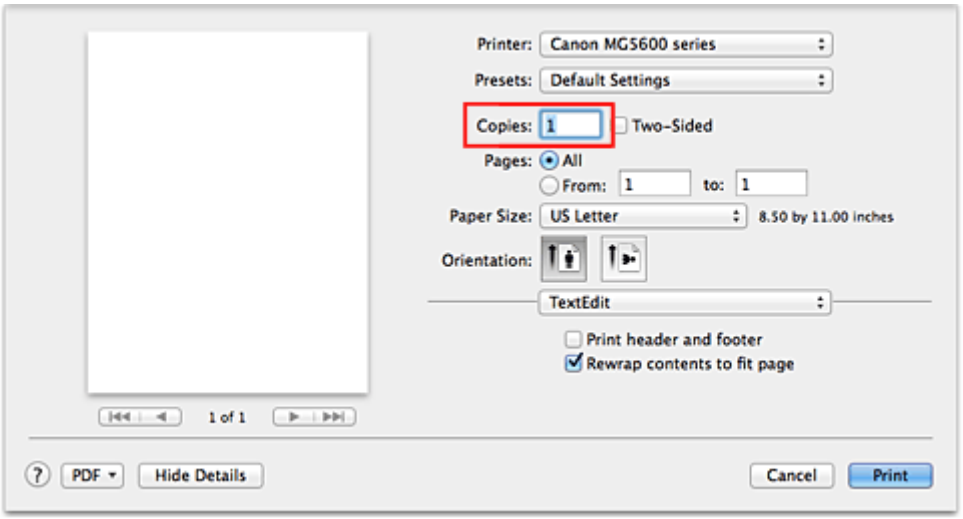
Collate pages + Reverse **Collate pages + Normal** **Reverse**



The procedure for specifying the number of copies and printing order is as follows:

1. Specify the number of copies to be printed

   Specify the number of copies to print from the **Copies** in the Print Dialog.



2. Select **Paper Handling** from the pop-up menu

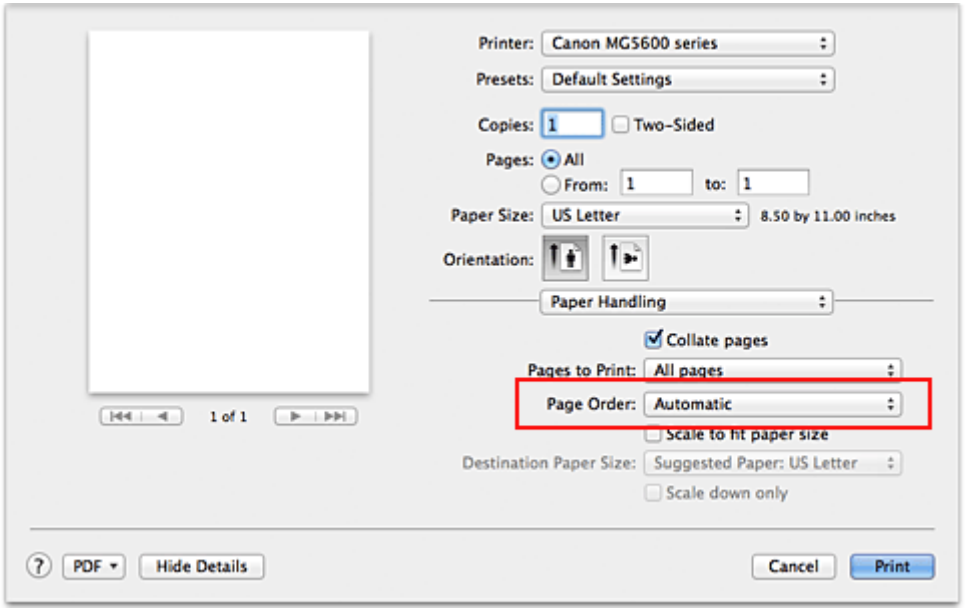
3. Check the **Collate pages** check box when you are specifying multiple copies in the **Copies** box

   Check the **Collate pages** check box to print all the pages of a single copy together.
   Uncheck this check box to print all pages with the same page number together.

4. Specify the print order

   Check **Page Order**.

   When you select **Automatic** or **Reverse**, printing starts from the last page.
   When you select **Normal**, printing starts from the first page.



5. Complete the setup

   Click **Print**.
   When you execute print, the specified number of copies will be printed with the specified printing order.

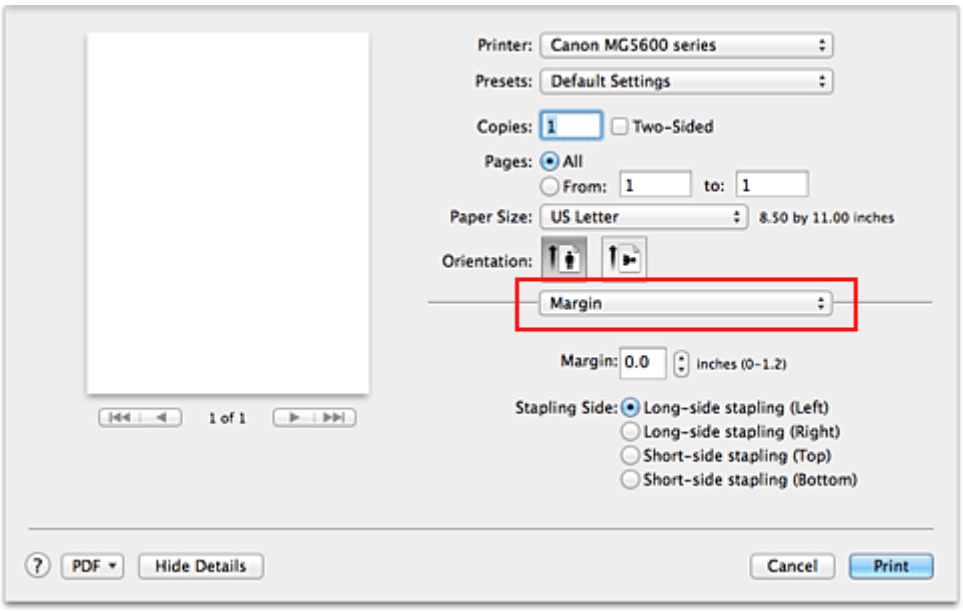
Important

- When the application software that you used to create the document has the same function, specify the settings on the printer driver. However, if the print results are not acceptable, specify the function settings on the application software. When you specify the number of copies and the printing order with both the application software and this printer driver, the number of copies may be multiplied numbers of the two settings or the specified printing order may not be enabled.

Setting the Stapling Margin

The procedure for setting the margin width and the staple side is as follows:

1. Select **Margin** from the pop-up menu on the Print Dialog



2. Set the margin width and the staple side

   If necessary, set the **Margin** width, and select a stapling position from the **Stapling Side** list.

   Note

   - The printer automatically reduces the print area depending on the staple position margin.
   - Depending on the **Two-Sided** setting in the **Layout** pop-up menu, the **Stapling Side** that can be selected differs.

3. Complete the setup

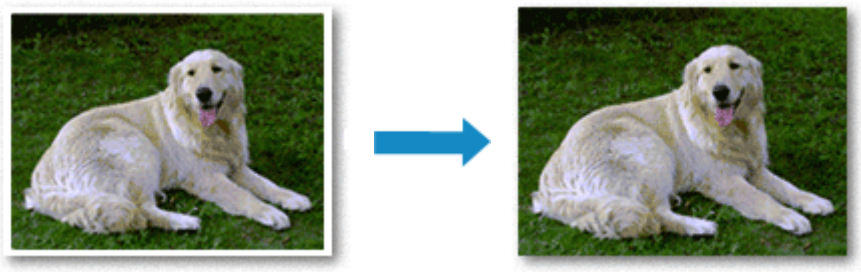
   Click **Print**.
   When you execute print, the data is printed with the specified margin width and staple side.

Important

- When borderless printing is enabled, **Margin** and **Stapling Side** appear grayed out and are unavailable.

Execute Borderless Printing

The borderless printing function allows you to print data without any margin by enlarging the data so that it extends slightly off the paper. In standard printing, margins are created around the document area. However, in borderless printing function, these margins are not created. When you want to print data such as a photo without providing any margin around it, set borderless printing.

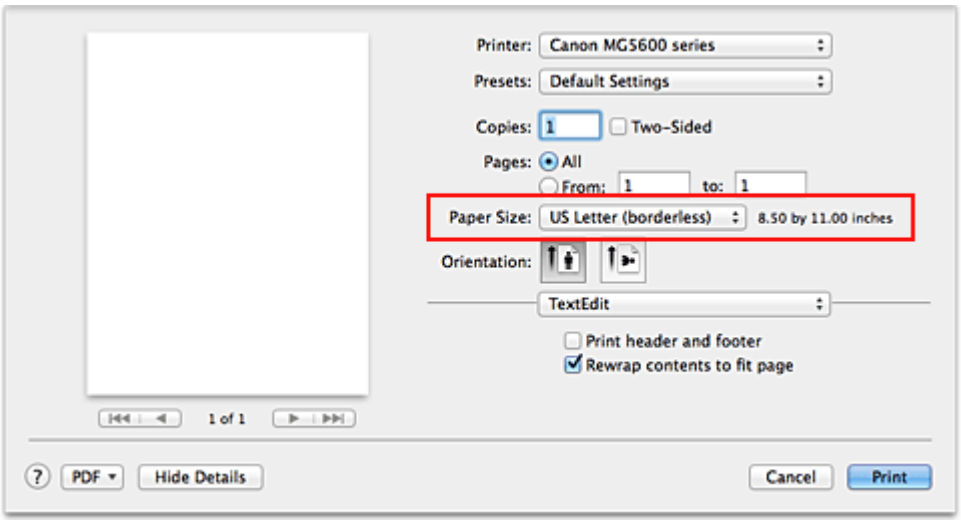


The procedure for performing borderless printing is as follows:

Setting Borderless Printing

1. Select the size of the paper for borderless printing

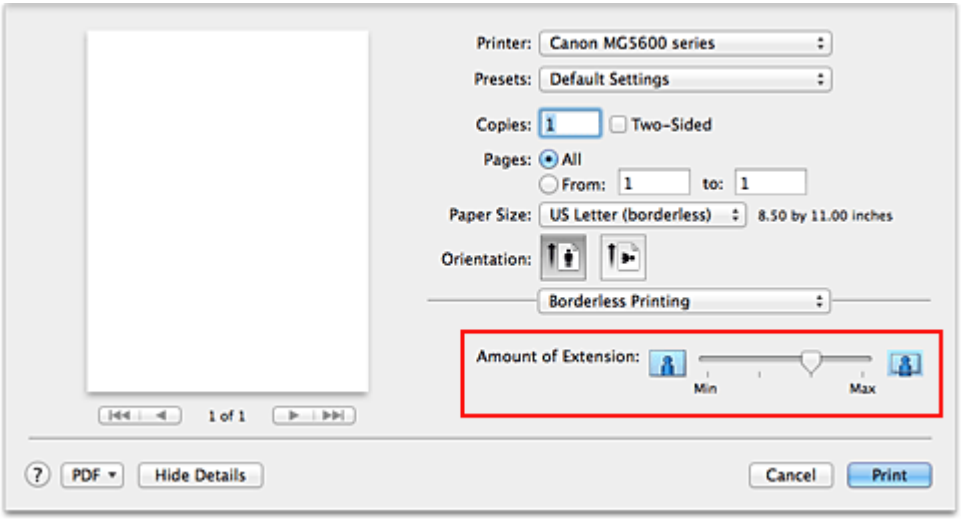
   Select "XXX (borderless)" from the **Paper Size** in the Print Dialog.



2. Select **Borderless Printing** from the pop-up menu

3. Adjust the amount of extension from the paper

   If necessary, adjust the amount of extension using the **Amount of Extension** slider.
   Moving the slider to the right increases the amount extending off the paper, and moving the slider to the left decreases the amount.
   It is recommended to set the slider at the second position from the right for most cases.



Important

- When the **Amount of Extension** slider is set to the rightmost position, the back side of the paper may become smudged.

4. Complete the setup

   Click **Print**.
   When you execute print, the data is printed without any margins on the paper.

Important

- Borderless printing only supports specific paper sizes. Make sure to select a paper size with the wording "(borderless)" from the **Paper Size**.
- When borderless printing is enabled, **Envelope**, **High Resolution Paper**, and **T-Shirt Transfers** appear grayed out and are unavailable in **Media Type** list of **Quality & Media** of the pop-up menu in the Print dialog.
- Print quality may deteriorate or the sheet may be stained at the top and bottom depending on the type of paper used.
- When the ratio of the height to the width differs from the image data, a portion of the image may not be printed depending on the size of the media used.
  In this case, crop the image data with an application software according to the paper size.
- When scaled printing or page layout printing is enabled, you cannot perform borderless printing.

Note

- When **Plain Paper** is selected from the **Media Type** menu of the **Quality & Media**, borderless printing is not recommended.

Expanding the Range of the Document to Print

Setting a large amount of extension allows you to perform borderless printing with no problems. However, the portion of the document extending off the paper range will not be printed and for this reason, the subjects around the perimeter of a photo may not be printed.

When you are not satisfied with the result of borderless printing, reduce the amount of extension. The extension amount decreases as the **Amount of Extension** slider is moved to the left.

Important

- When the amount of extension is decreased, an unexpected margin may be produced on the print, depending on the size of the paper.

Note

- When the **Amount of Extension** slider is set to the leftmost position, image data will be printed in the full size. If you set this when printing the address side of a postcard, the postal code of the sender is printed in the correct position.

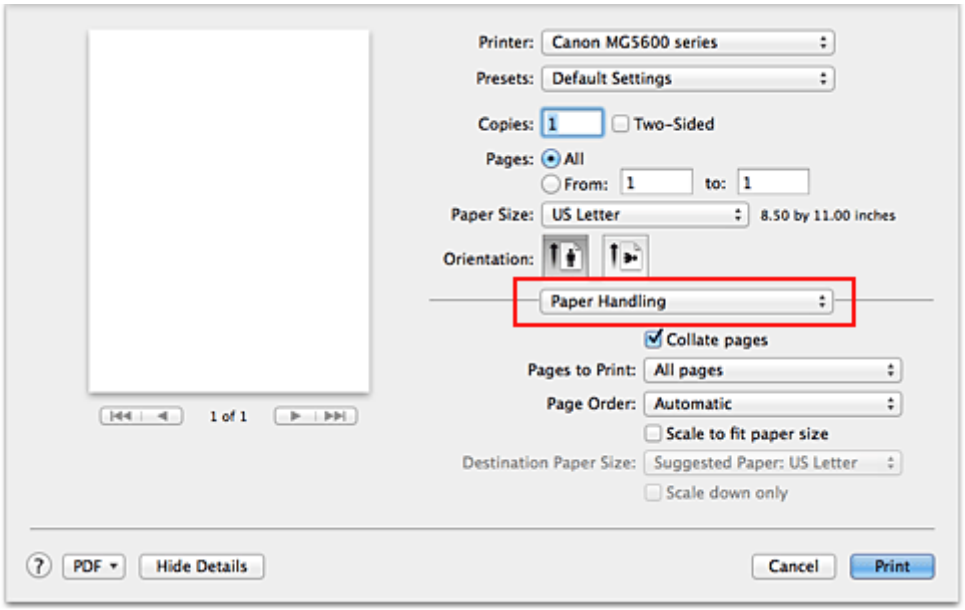
Scaling the Printing to Fit the Paper Size

The procedure for printing a document that is automatically enlarged or reduced to fit the page size to be used is as follows:

1. Check the paper size

   Check that the **Paper Size** in the Print Dialog is the same as the paper size that you set in the application software.

2. Select **Paper Handling** from the pop-up menu



3. Set the print paper size

   Check the **Scale to fit paper size** check box. Then from the **Destination Paper Size** pop-up menu, select the paper size that is actually loaded in the printer.

4. If necessary, check the **Scale down only** check box

   When you check this check box, the document will be reduced to fit to the paper size when the document size is larger than the page size. The document will be printed in the original size when the document size is smaller than the page size.

5. Complete the setup

Click **Print**.

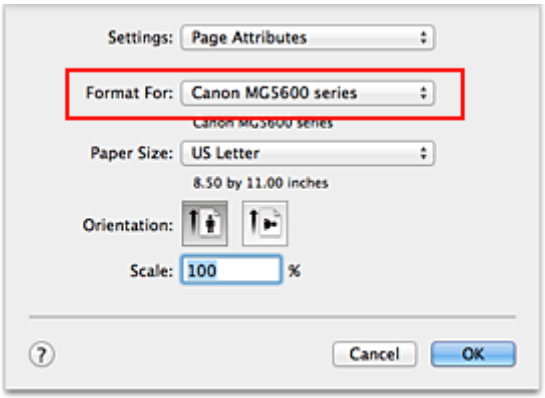
When you execute print, the document will be enlarged or reduced to fit to the page size.

Scaled Printing

The procedure for printing a document with pages enlarged or reduced is as follows:

1. Select the printer

   In the Page Setup Dialog, select your model name from the **Format For** list.



2. Set scaled printing

   Specify the scaling factor in the **Scale** box, and click **OK**.

   Note

   - Depending on the **Scale** value that you set, an error message may be displayed.

3. Complete the setup

   On the Print Dialog, click **Print**.
   When you execute print, the document will be printed with the specified scale.

Important

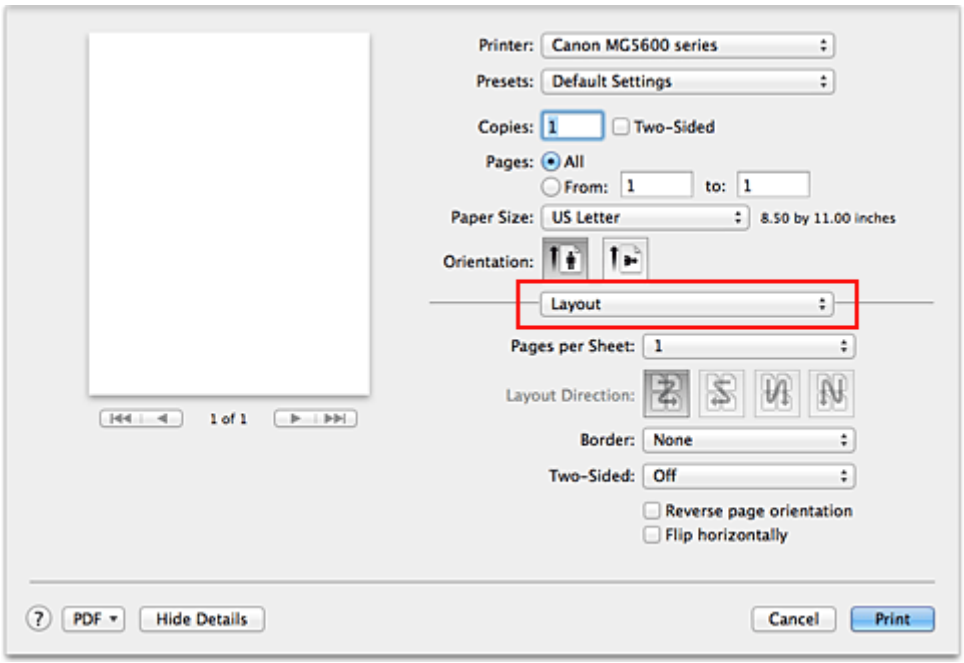
- When the application software which you used to create the original has the scaled printing function, configure the settings on your application software. You do not need to configure the same setting in the Page Setup dialog.

Page Layout Printing

The page layout printing function allows you to print more than one page image on a single sheet of paper.

The procedure for performing page layout printing is as follows:

1. Select **Layout** from the pop-up menu in the Print Dialog



2. Set the number of original you print on one page

   In **Pages per Sheet**, specify the number of page you print on one page.

3. If necessary, set the following items

   Layout Direction

   To change the page placement order, select an icon from the list.

   Border

   To print a page border around each document page, select a type of page border.

   Reverse page orientation

   Select this check box to change the paper orientation.

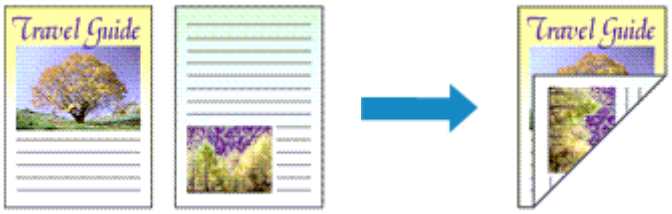
   Flip horizontally

   Select this check box to reverse left and right of the document.

4. Complete the setup

Click **Print**.
When you execute print, the specified number of pages will be arranged on each sheet of paper in the specified order.

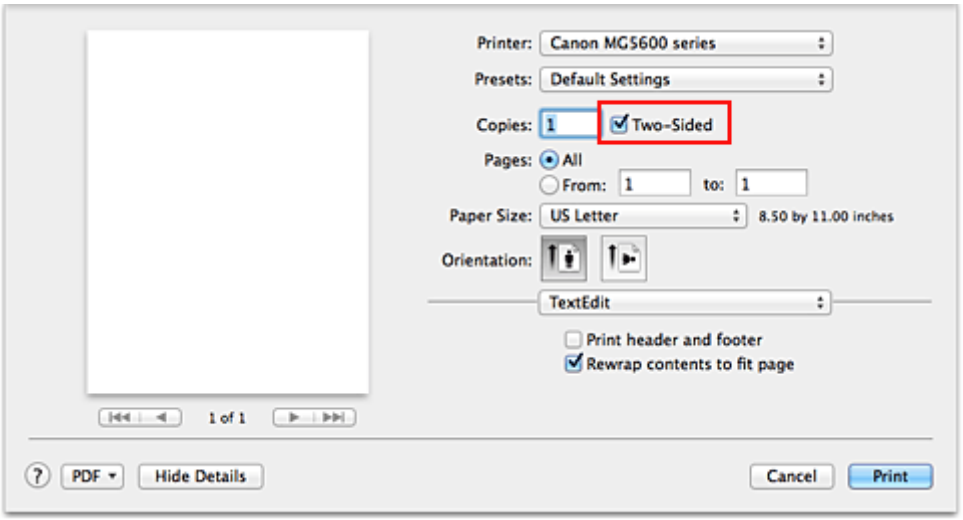
Duplex Printing



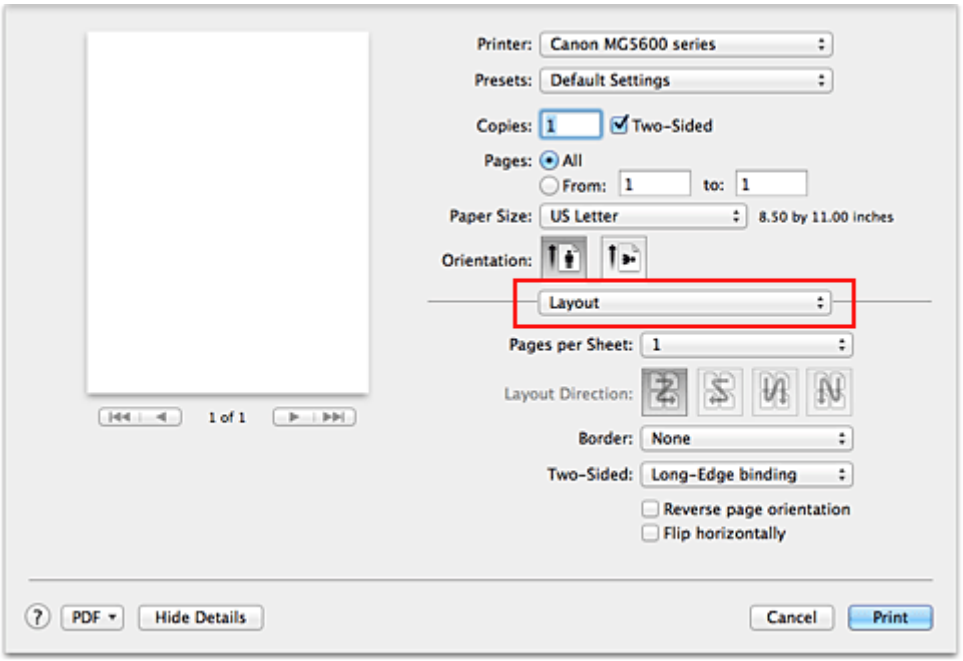
The procedure for printing data on both sides of one sheet of paper is as follows:

1. Set duplex printing

   Check the **Two-Sided** check box in the Print Dialog.



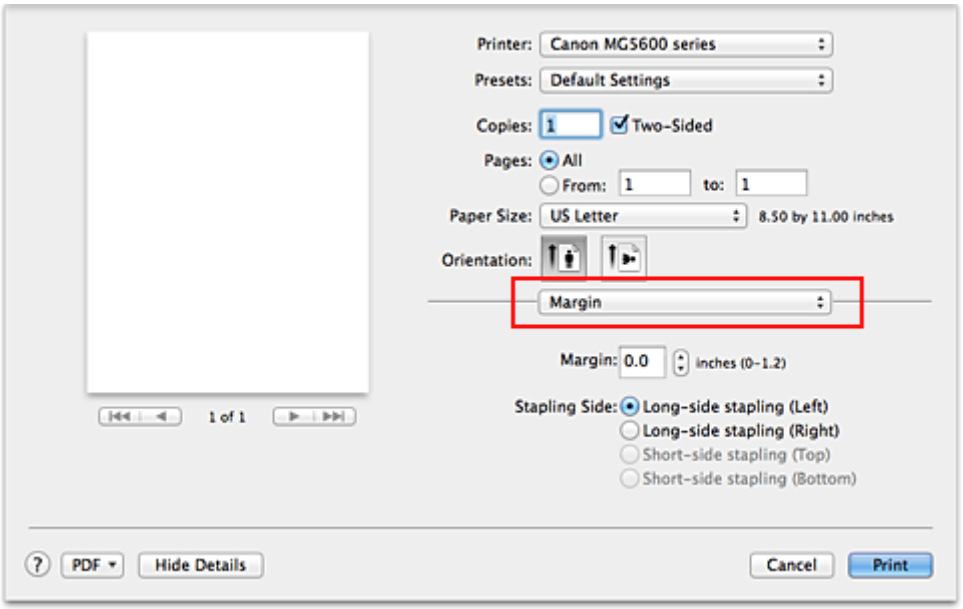
2. Select **Layout** from the pop-up menu on the Print Dialog



3. Set the stapling side

For **Two-Sided**, select either **Long-Edge binding** or **Short-Edge binding**.

4. Select **Margin** from the pop-up menu on the Print Dialog



5. Set the stapling margin

If necessary, set the **Margin** width, and to change the **Stapling Side**, select a setting from the list.

Note

- Depending on the **Two-Sided** setting in the **Layout** pop-up menu, the **Stapling Side** that can be selected differs.

6. Complete the setup

Click **Print**.
When you execute print, duplex printing will be started.

Important

- When a media type other than **Plain Paper** is selected from **Media Type** menu of **Quality & Media**, duplex printing cannot be executed.
- When borderless printing is set, duplex printing cannot be executed.
- Duplex printing can be performed only when one of the following paper sizes is selected from **Paper Size**.
  - **US Letter**, **A4**
- After printing the front page, there is an ink drying wait time before starting to print the back page (Operation stops temporarily). Do not touch the paper during this time. You can change the ink drying wait time from **Custom Settings** in the Canon IJ Printer Utility.

Note

- When you use duplex printing, the print area becomes slightly smaller than the normal print area.

Related Topic

- Changing the Printer Operation Mode

Printing on Postcards

This section describes the procedure for postcard printing.

1. Load postcard on the printer

2. Select paper size in the Print Dialog

   Select **Postcard** or **Postcard Double** from the **Paper Size** menu.

   Important

   - Return postcards can be used only when you print them from the computer.
   - When printing a return postcard, always set the paper size to **Postcard Double** from your application software or the printer driver.
   - Do not fold the return postcard. If a crease is formed, the printer will not be able to feed the postcard properly, and this condition will cause line shifts or a paper jam.
   - With return postcards, borderless printing cannot be used.

3. Select **Quality & Media** from the pop-up menu

4. Select the media type

   For **Media Type**, select the same paper type loaded in the printer.

   Important

   - This printer cannot print on postcards that have photos or stickers attached.
   - When printing on each side of a postcard separately, you will get cleaner printing if you print the message side first and then print the address side.
   - The paper settings on the printer driver and the cassette paper information to register on the printer are different, depending on whether you are printing on the address side or the message side. For details about the cassette paper information to be registered on the printer, see the following:
     - Paper Settings on the Printer Driver and the Printer (Media Type)
     - Paper Settings on the Printer Driver and the Printer (Paper Size)

5. Complete the setup

   Click **Print**.

   When you execute printing, the data will be printed onto the postcard.

Displaying the Print Results before Printing

If you are using Mac OS X v10.6.8, you can display and check the print result before printing.

To display the print result before printing, click **Preview** on the Print Dialog.

Note

- When you click (the disclosure triangle) in the Print dialog and switch to the detailed display, **Preview** is not displayed.
  For detailed display, a preview is displayed on the left side of the Print dialog.

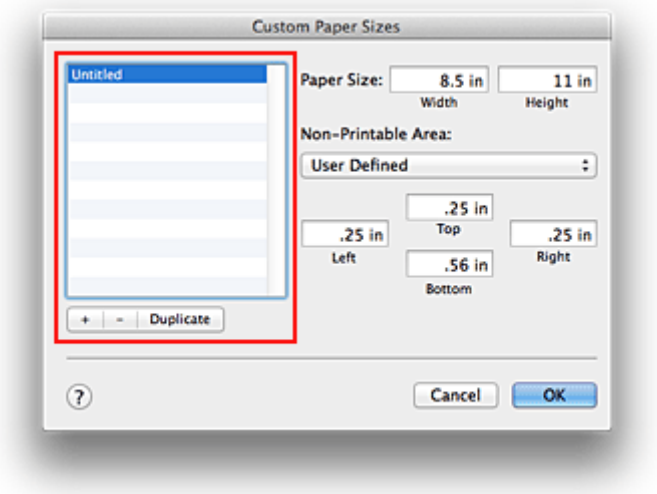
Setting Paper Dimensions (Custom Size)

You can specify the height and width of paper when its size cannot be selected from the **Paper Size** menu. Such a paper size is called "custom size."

The procedure for specifying a custom size is as follows:

1. Creating a new custom paper size

   In the Print Dialog, select **Manage Custom Sizes...** from **Paper Size**.
   In the **Custom Paper Sizes** dialog, click **+**.



   Untitled will be added to the list.

2. Setting details about the custom paper size

   Double-click **Untitled**, enter the name of the paper size you want to register, and specify the **Width** and **Height** of the paper for **Paper Size**.
   Select **User Defined** or your model for **Non-Printable Area**, and enter the margins.

3. Registering the custom paper size

   Click **OK**.
   The custom size is registered.

Important

- If the application software that created the document has a function for specifying height and width values, use the application software to set the values. If the application software does not have such a function or if the document does not print correctly, perform the above procedure from the printer driver to set the values.

Note

- To duplicate the registered paper size, select the paper size that you want to duplicate from the **Custom Paper Sizes** list, and click **Duplicate**.
- To delete a registered paper size, select the paper size that you want to delete from the **Custom Paper Sizes** list, and click **-**.
- If the paper settings on the print dialog differ from the cassette paper information registered on the printer, an error may occur. For instructions on what to do if an error occurs, see "Paper setting for

Printing."

For details about the cassette paper information to be registered on the printer, see the following:

- Paper Settings on the Printer Driver and the Printer (Media Type)
- Paper Settings on the Printer Driver and the Printer (Paper Size)

Changing the Print Quality and Correcting Image Data

- Setting the Print Quality Level (Custom)
- Printing a Color Document in Monochrome
- Specifying Color Correction
- Optimal Photo Printing of Image Data
- Adjusting Colors with the Printer Driver
- Printing with ICC Profiles (Specifying an ICC Profile from the Application Software)
- Printing with ICC Profiles (Specifying an ICC Profile from the Printer Driver)
- Interpreting the ICC Profile
- Adjusting Color Balance
- Adjusting Brightness
- Adjusting Intensity
- Adjusting Contrast

Setting the Print Quality Level (Custom)

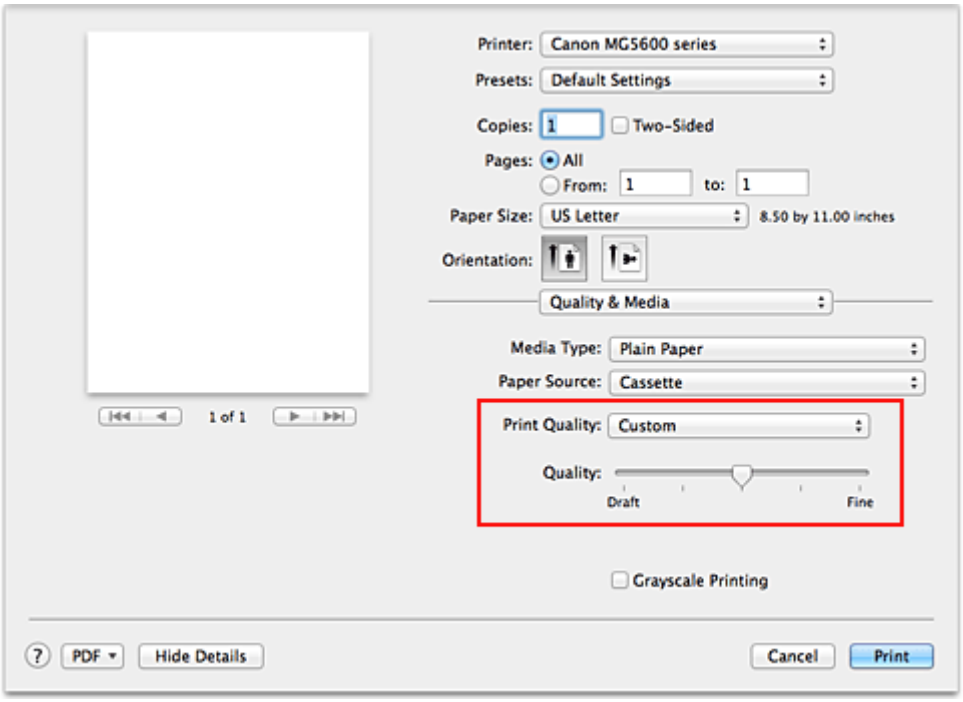
The print quality level can be set in the **Custom**.

The procedure for setting the print quality level is as follows:

1. Select **Quality & Media** from the pop-up menu on the Print Dialog

2. Select the print quality

   Select **Custom** for **Print Quality**.



3. Setting the print quality level

   Move the **Quality** slider to select the print quality level.

4. Complete the setup

   Click **Print**.
   When you execute print, the image data is printed with the selected print quality level.

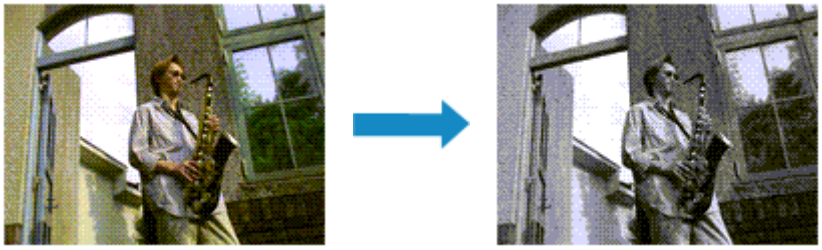
Important

- Certain print quality levels cannot be selected depending on the settings of **Media Type**.

Related Topics

- Specifying Color Correction
- Adjusting Color Balance
- Adjusting Brightness
- Adjusting Intensity
- Adjusting Contrast

Printing a Color Document in Monochrome

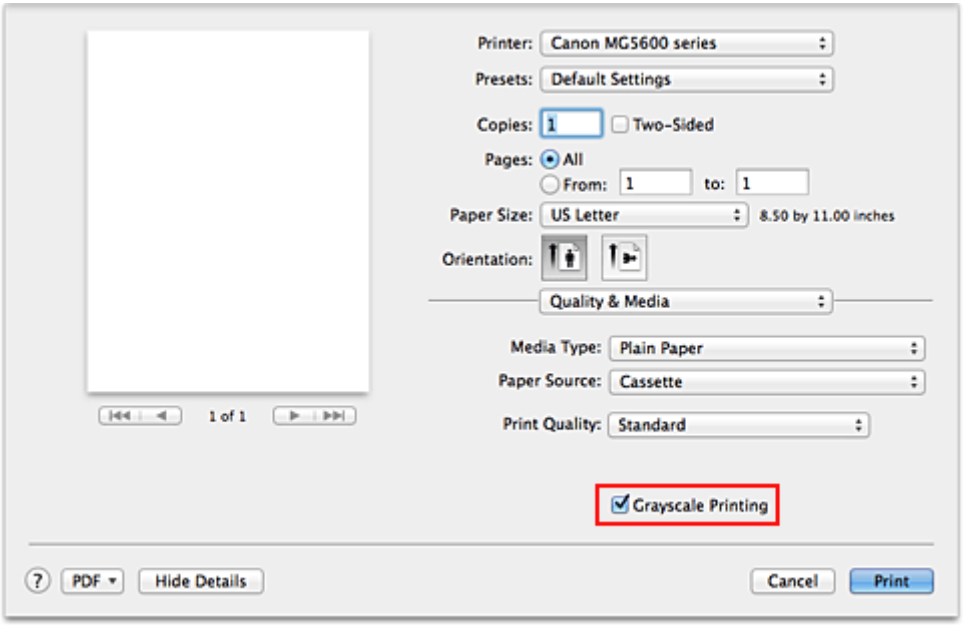


The procedure for printing a color document in monochrome is as follows:

1. Select **Quality & Media** from the pop-up menu on the Print Dialog

2. Set grayscale printing

   Check the **Grayscale Printing** check box.



3. Complete the setup

   Click **Print**.
   When you execute print, the document is converted to grayscale data. It allows you to print the color document in monochrome.

Note

- During **Grayscale Printing**, inks other than black ink may be used as well.

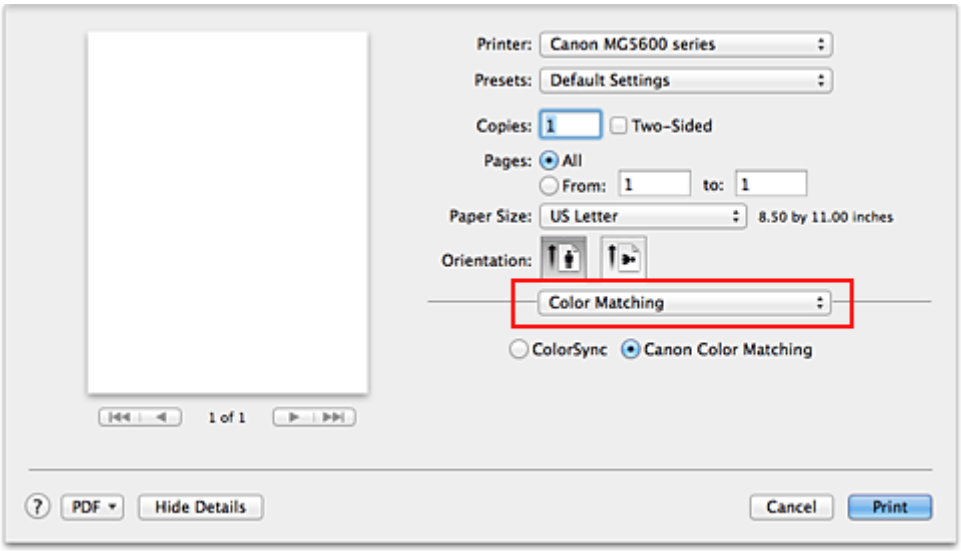
Specifying Color Correction

You can specify the color correction method suited to the type of document to be printed.
Normally, the printer driver adjusts the colors by using Canon Digital Photo Color so that data is printed with color tints that most people prefer.

When you want to print by using the color space (Adobe RGB or sRGB) of the image data effectively or by specifying a printing ICC profile from your application software, select **ColorSync**. When you want to print by having the printer driver correct the colors, select **Canon Color Matching**.

The procedure for specifying color correction is as follows:

1. Select **Color Matching** from the pop-up menu of the Print Dialog



2. Select color correction

   Select the item below that matches your purpose.

   ColorSync
   Perform color correction using ColorSync.

   Canon Color Matching
   With Canon Digital Photo Color, you can print with color tints that most people prefer.

3. Complete the setup

   Click **Print**.
   When you execute print, the document data is printed with the specified color correction.

Important

- Depending on the application software, when a printing ICC profile is specified from that application software, **Canon Color Matching** cannot be selected because **ColorSync** is selected automatically.
- The **Quality & Media** setting is necessary even when **ColorSync** or **Canon Color Matching** is selected.

Related Topics

- Optimal Photo Printing of Image Data
- Adjusting Colors with the Printer Driver

- Printing with ICC Profiles (Specifying an ICC Profile from the Application Software)
- Printing with ICC Profiles (Specifying an ICC Profile from the Printer Driver)
- Interpreting the ICC Profile

Optimal Photo Printing of Image Data

When people print images taken with digital cameras, they sometimes feel that the printed color tones differ from those of actual image or those displayed on the monitor.
To get the print results as close as possible to the desired color tones, you must select a printing method that is best suited to the application software used or to your purpose.

Color Management

Devices such as digital cameras, scanners, monitors, and printers handle color differently. Color management (color matching) is a method that manages device-dependent "colors" as a common color space.

For Mac OS, a color management system called "ColorSync" is built into the operating system.
Adobe RGB and sRGB are popularly used as common color spaces. Adobe RGB has a wider color space than sRGB.

ICC profiles convert device-dependent "colors" into a common color space. By using an ICC profile and carrying out color management, you can draw out the color space of the image data within the color reproduction area that the printer can express.

Selecting a Printing Method Suited to the Image Data

The recommended printing method depends on the color space (Adobe RGB or sRGB) of the image data or the application software to be used.

There are two typical printing methods.
Check the color space (Adobe RGB or sRGB) of the image data and the application software to be used, and then select the printing method suited to your purpose.

Adjusting Colors with the Printer Driver

Describes the procedure for printing by using the color correction function of the printer driver.

- To print using Canon Digital Photo Color

  The printer prints data with color tints that most people prefer, reproducing colors of the original image data and producing three-dimensional effects and high, sharp contrasts.
- To print by directly applying editing and touch-up results of an application software

  When printing the data, the printer brings out subtle color difference between dark and light areas, while leaving the darkest and lightest areas intact.
  When printing the data, the printer applies fine adjustment results, such as brightness adjustments made with an application software.

Printing with ICC Profiles (Specifying an ICC Profile from the Application Software)

Describes the procedure for printing by using the color space of Adobe RGB or sRGB effectively.
You can print with a common color space by setting up the application software and the printer driver so that the color management matches the input ICC profile of the image data.
The method for setting up the printer driver differs depending on the application software to be used.

Related Topic

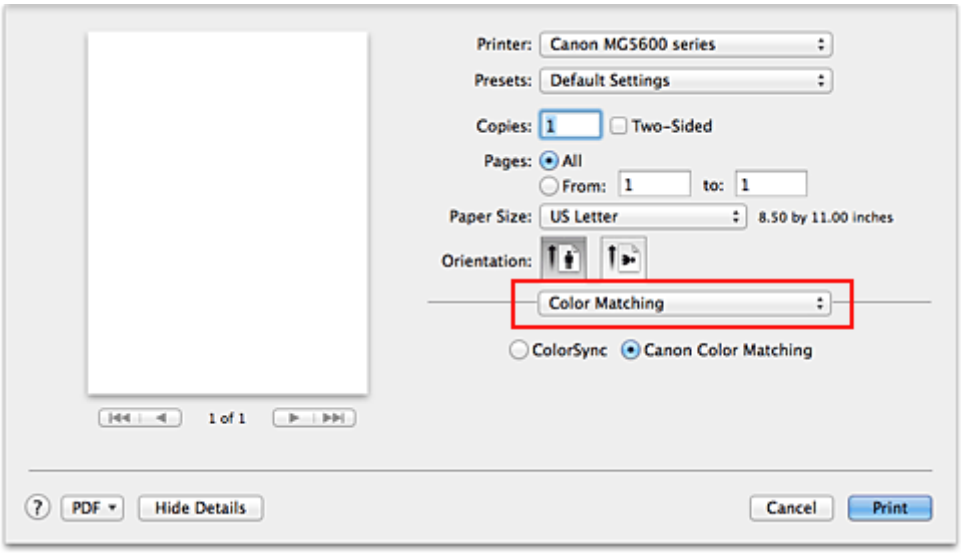
- Interpreting the ICC Profile

Adjusting Colors with the Printer Driver

You can specify the color correction function of the printer driver to print with color tints that most people prefer through the use of Canon Digital Photo Color.
When printing from an application software that can identify ICC profiles and allows you to specify them, use a printing ICC profile in the application software, and select settings for color management.

The procedure for adjusting colors with the printer driver is as follows:

1. Select **Color Matching** from the pop-up menu of the Print Dialog



2. Select color correction

   Select **Canon Color Matching**.

3. Set the other items

   From the pop-up menu, select **Color Options**. If necessary, adjust the color balance (**Cyan**, **Magenta**, **Yellow**) and adjust **Brightness**, **Intensity**, and **Contrast** settings.

4. Complete the setup

   Click **Print**.
   When you execute print, the printer driver adjusts the colors when printing the data.

Related Topics

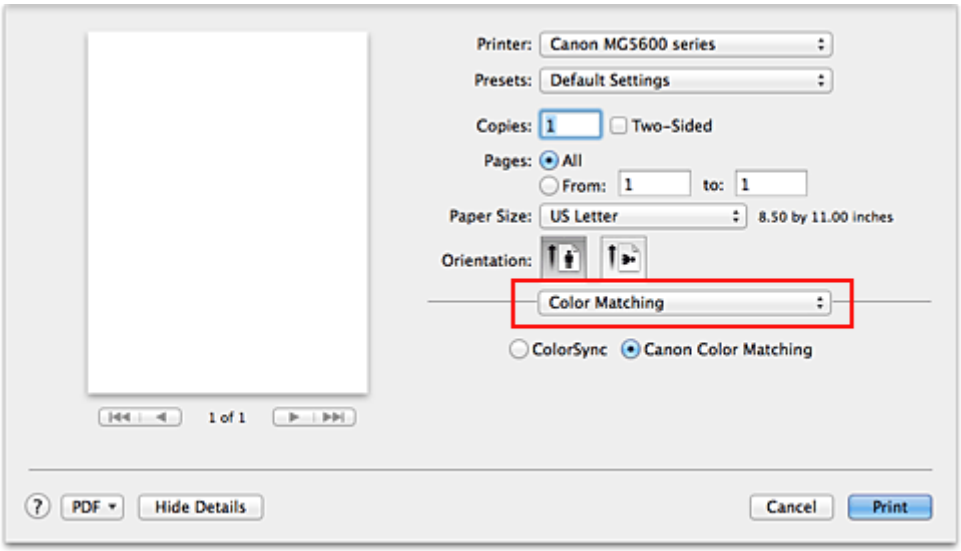
- Setting the Print Quality Level (Custom)
- Specifying Color Correction
- Adjusting Color Balance
- Adjusting Brightness
- Adjusting Intensity
- Adjusting Contrast

Printing with ICC Profiles (Specifying an ICC Profile from the Application Software)

When you print from Adobe Photoshop, Canon Digital Photo Professional, or any application software that can identify input ICC profiles and allows you to specify such profiles, printer uses the color management system (ColorSync) built-into Mac OS when printing. The printer prints the editing and touch-up results of the application software and effectively uses the color space of the input ICC profile specified in the image data.

To use this printing method, use your application software to select color management items and specify an input ICC profile and a printing ICC profile in the image data.
Even if you print using a printing ICC profile that you created yourself or one for special Canon paper, be sure to select color management items from your application software.
For instructions, refer to the manual of the application software you are using.

1. Select **Color Matching** from the pop-up menu of the Print Dialog



2. Select color correction

   Select **ColorSync**.
   You can leave **Profile** set to **Automatic**.

   Important

   - Depending on the application software you use, you may not be able to select setting items other than **ColorSync**.
   - If you choose a **Profile** setting other than **Automatic** or "Printing Paper ICC Profile", the printer will not be able to print with the correct colors.

3. Complete the setup

   Click **Print**.
   When you execute print, the printer uses the color space of the image data.

Related Topics

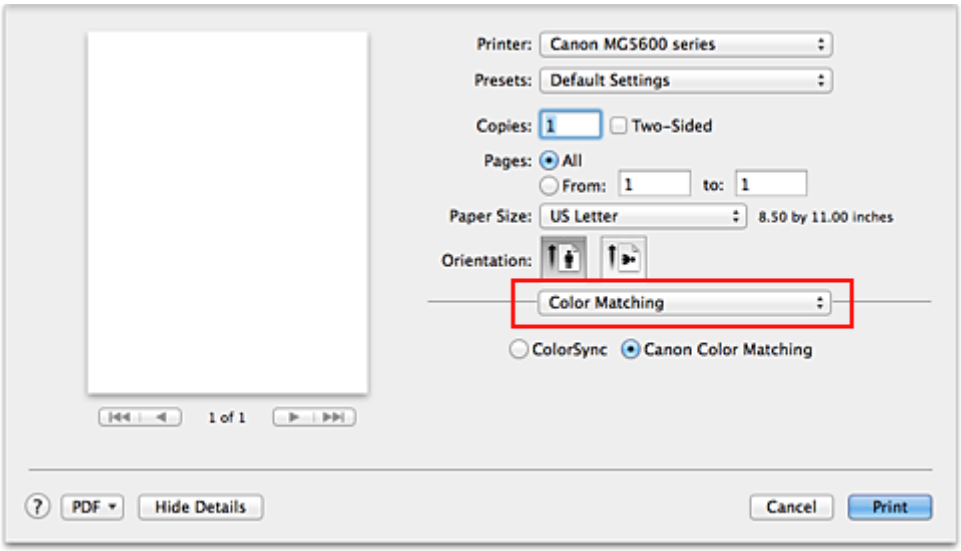
- Setting the Print Quality Level (Custom)
- Specifying Color Correction

- Adjusting Color Balance
- Adjusting Brightness
- Adjusting Intensity
- Adjusting Contrast

Printing with ICC Profiles (Specifying an ICC Profile from the Printer Driver)

Print from an application software that cannot identify or specify input ICC profiles by using the color space of the input ICC profile (sRGB) found in the data.

1. Select **Color Matching** from the pop-up menu of the Print Dialog



2. Select color correction

   Select **ColorSync**.
   You can leave **Profile** set to **Automatic**.

   Important

   - If you choose a **Profile** setting other than **Automatic** or "Printing Paper ICC Profile", the printer will not be able to print with the correct colors.

3. Complete the setup

   Click **Print**.
   When you execute print, the printer uses the color space of the image data.

Important

- You cannot specify an input ICC profile from the printer driver.

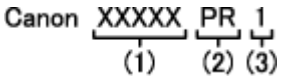
Related Topics

- Setting the Print Quality Level (Custom)
- Specifying Color Correction
- Adjusting Color Balance
- Adjusting Brightness
- Adjusting Intensity
- Adjusting Contrast

Interpreting the ICC Profile

When you need to specify the printer profile, select the ICC profile for the paper to print on.

The ICC profiles installed for this printer appear as follows.



- (1) is the model name of the printer.
- (2) is the media type. This notation corresponds to the following media type:
  - GL: Photo Paper Plus Glossy II
  - PT: Photo Paper Pro Platinum
  - SG/LU: Photo Paper Plus Semi-gloss / Photo Paper Pro Luster
  - MP: Matte Photo Paper
- (3) is the print quality.
  The print quality is divided into 5 levels, ranging from high speed to high quality. As the number decreases, the print quality becomes higher. This value corresponds to the **Quality** slide bar that is displayed when you select **Quality & Media** from the pop-up menu of the Print Dialog and then select **Custom** for **Print Quality**.

Adjusting Color Balance

You can adjust the color tints when printing.
Since this function adjusts color balance of the output by changing the ink ratios of each color, it changes the total color balance of the document. Use the application software when you want to change the color balance significantly. Use the printer driver only when you want to adjust the color balance slightly.
The following sample shows the case when color balance is used to intensify cyan and to diminish yellow so that the overall colors are more uniform.

No adjustment

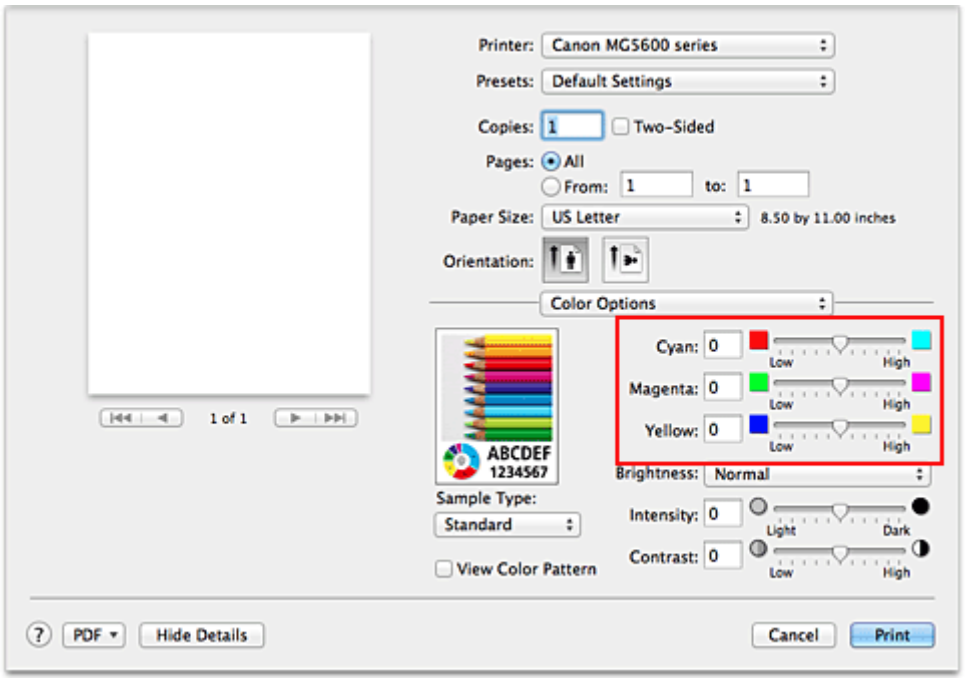
Adjust color balance

The procedure for adjusting color balance is as follows:

1. Select **Color Options** from the pop-up menu of the Print Dialog

2. Adjust color balance

   There are individual sliders for **Cyan**, **Magenta**, and **Yellow**. Each color becomes stronger when the corresponding slider is moved to the right, and becomes weaker when the corresponding slider is moved to the left. For example, when cyan becomes weaker, the color red becomes stronger.
   You can also directly enter a value linked to the slider. Enter a value in the range from -50 to 50. The current settings are displayed in the settings preview on the left side of the printer driver.



3. Complete the setup

Click **Print**.

When you execute print, the document is printed with the adjusted color balance.

Important

- When the **Grayscale Printing** check box is checked for **Quality & Media**, the color balance (**Cyan**, **Magenta**, **Yellow**) appear grayed out and are unavailable.
- If you select **ColorSync** for **Color Matching**, then the color balance (**Cyan**, **Magenta**, **Yellow**) appear grayed out and are unavailable.

Related Topics

- Setting the Print Quality Level (Custom)
- Specifying Color Correction
- Adjusting Brightness
- Adjusting Intensity
- Adjusting Contrast

Adjusting Brightness

You can change the brightness of the overall image data during printing.
This function does not change pure white or pure black but it changes the brightness of the intermediate colors.
The following sample shows the print result when the brightness setting is changed.

Light is selected

Normal is selected

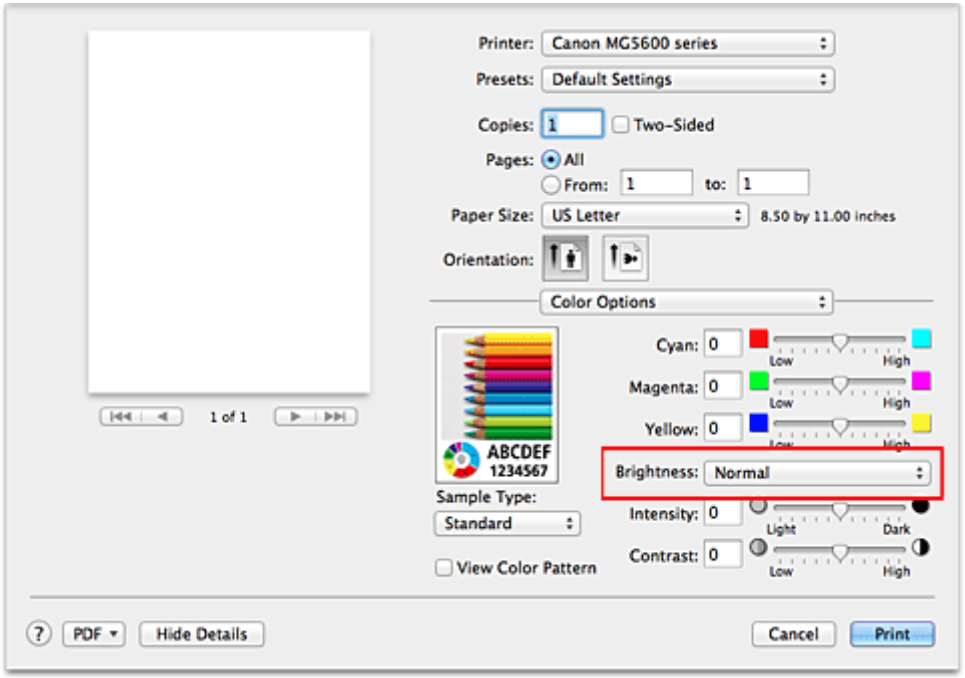
Dark is selected

The procedure for adjusting brightness is as follows:

1. Select **Color Options** from the pop-up menu of the Print Dialog

2. Specify the brightness

   Select **Light**, **Normal**, or **Dark** for **Brightness**. The current settings are displayed in the settings preview on the left side of the printer driver.



3. Complete the setup

   Click **Print**.
   When you execute print, the data is printed at the specified brightness.

Important

- If you select **ColorSync** for **Color Matching**, then the **Brightness** appears grayed out and is unavailable.

Related Topics

- Setting the Print Quality Level (Custom)
- Specifying Color Correction
- Adjusting Color Balance
- Adjusting Intensity
- Adjusting Contrast

Adjusting Intensity

You can dilute (brighten) or intensify (darken) the colors of the overall image data during printing.
The following sample shows the case when the intensity is increased so that all colors become more intense when the image data is printed.

No adjustment

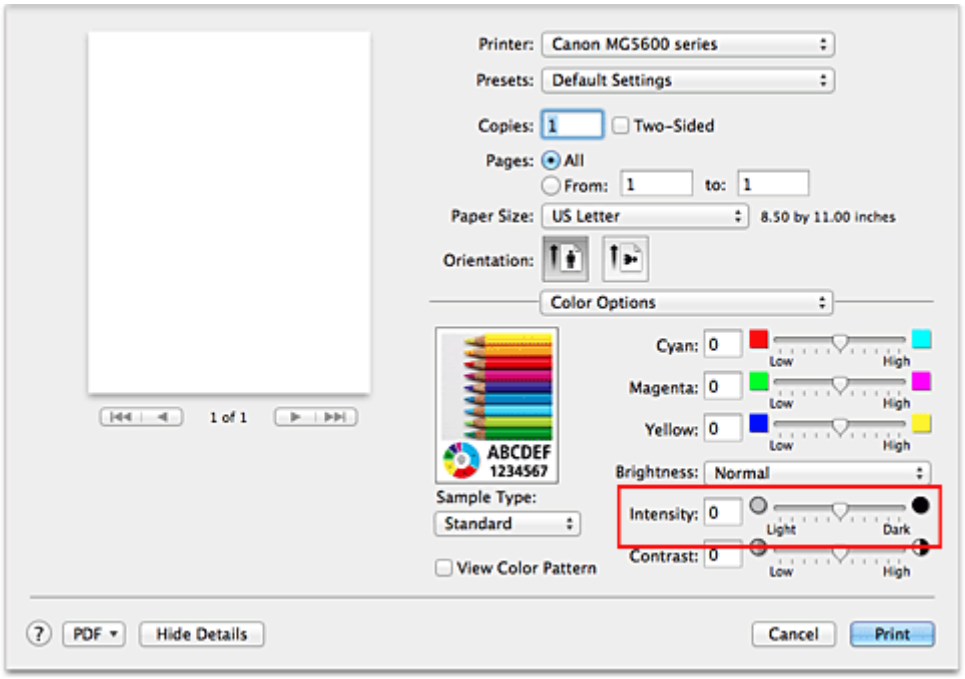
Higher intensity

The procedure for adjusting intensity is as follows:

1. Select **Color Options** from the pop-up menu of the Print Dialog

2. Adjust intensity

   Moving the **Intensity** slider to the right intensifies (darkens) the colors, and moving the slider to the left dilutes (brightens) the colors.
   You can also directly enter a value linked to the slider. Enter a value in the range from -50 to 50. The current settings are displayed in the settings preview on the left side of the printer driver.



3. Complete the setup

   Click **Print**.
   When you execute print, the image data is printed with the adjusted intensity.

Important

- If you select **ColorSync** for **Color Matching**, then the **Intensity** appears grayed out and is unavailable.

Related Topics

- Setting the Print Quality Level (Custom)
- Specifying Color Correction
- Adjusting Color Balance
- Adjusting Brightness
- Adjusting Contrast

Adjusting Contrast

You can adjust the image contrast during printing.
To make the differences between the light and dark portions of images greater and more distinct, increase the contrast. On the other hand, to make the differences between the light and dark portions of images smaller and less distinct, reduce the contrast.

No adjustment

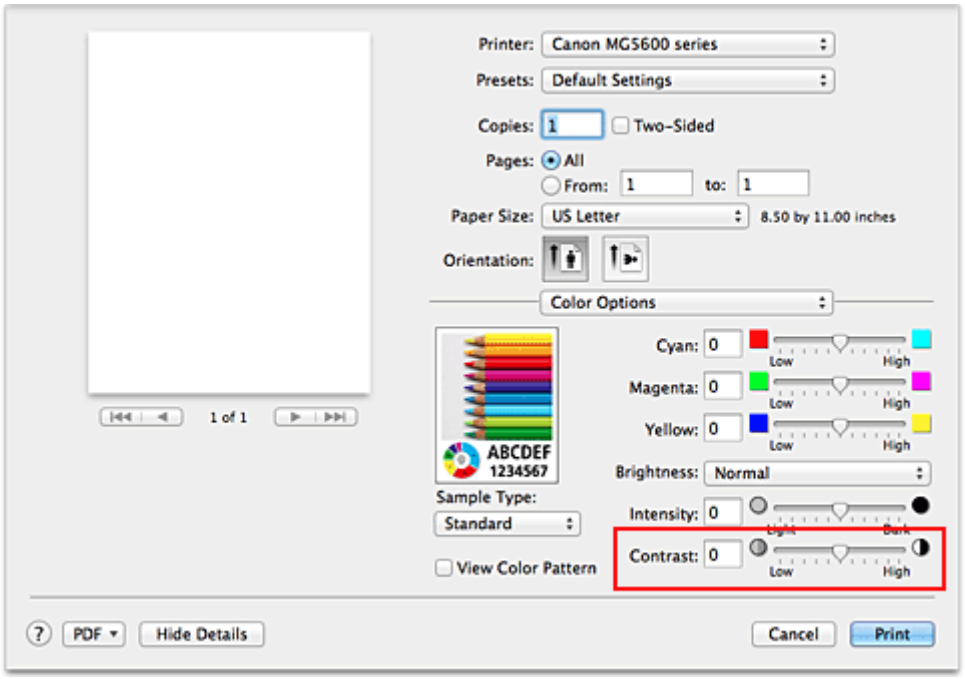
Adjust the contrast

The procedure for adjusting contrast is as follows:

1. Select **Color Options** from the pop-up menu of the Print Dialog

2. Adjust the contrast

   Moving the **Contrast** slider to the right increases the contrast, and moving the slider to the left decreases the contrast.
   You can also directly enter a value linked to the slider. Enter a value in the range from -50 to 50. The current settings are displayed in the settings preview on the left side of the printer driver.



3. Complete the setup

   Click **Print**.
   When you execute print, the image is printed with the adjusted contrast.

Important

- If you select **ColorSync** for **Color Matching**, then the **Contrast** appears grayed out and is unavailable.

Related Topics

- Setting the Print Quality Level (Custom)
- Specifying Color Correction
- Adjusting Color Balance
- Adjusting Brightness
- Adjusting Intensity

Overview of the Printer Driver

- Canon IJ Printer Driver
- How to Open the Printer Driver Setup Window
- Page Setup Dialog
- Print Dialog
- Quality & Media
- Color Options
- Borderless Printing
- Margin
- Canon IJ Printer Utility
- Opening the Canon IJ Printer Utility
- Maintenance of this Printer
- Display the Printing Status Screen
- Deleting the Undesired Print Job
- Instructions for Use (Printer Driver)

Canon IJ Printer Driver

The Canon IJ printer driver (called printer driver below) is a software that is installed on your computer for printing data with this printer.

The printer driver converts the print data created by your application software into data that your printer can understand, and sends the converted data to the printer.

Because different models support different print data formats, you need a printer driver for the specific model you are using.

Using Help of the Printer Driver

You can display Help function from the Print Dialog.

Select a setup item from the pop-up menu in the Print dialog. Then click ? at the bottom left of the screen to display an explanation of the item.

Help for the printer driver is displayed when the following pop-up menu item is selected:

- **Quality & Media**
- **Color Options**
- **Borderless Printing**
- **Margin**

How to Open the Printer Driver Setup Window

You can display the printer driver setup window from the application software you are using.

Opening the Page Setup Dialog

Use this procedure to set the page (paper) settings before printing.

1. Select **Page Setup...** from the **File** menu of the application software

   The Page Setup Dialog opens.

Opening the Print Dialog

Use this procedure to set the print settings before printing.

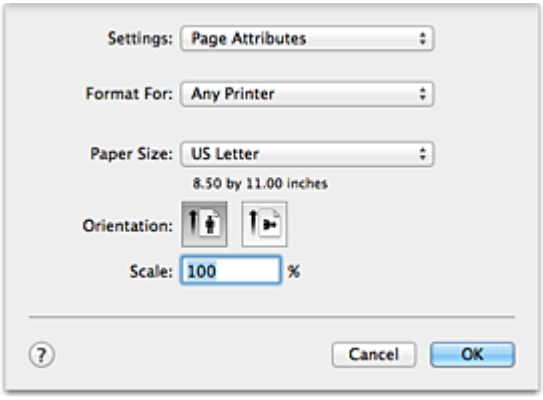
1. Select **Print...** from the **File** menu of the application software

   The Print Dialog opens.

Page Setup Dialog

In the Page Setup dialog, you configure the basic print settings such as the size of paper loaded in the printer or the scaling ratio.

To open the Page Setup dialog, you typically select **Page Setup...** from the **File** menu of your application software.



Settings

Click the pop-up menu, and then select the following items:

Page Attributes

Set the paper size or scaled printing.

Save as Default

You can save the attributes of the displayed page as the default settings.

Format For

Select the model to be used for printing.

Paper Size

Select the size of the paper to be used for printing.

To set a non-standard size, select **Manage Custom Sizes...**.

Orientation

Select the print orientation.

Scale

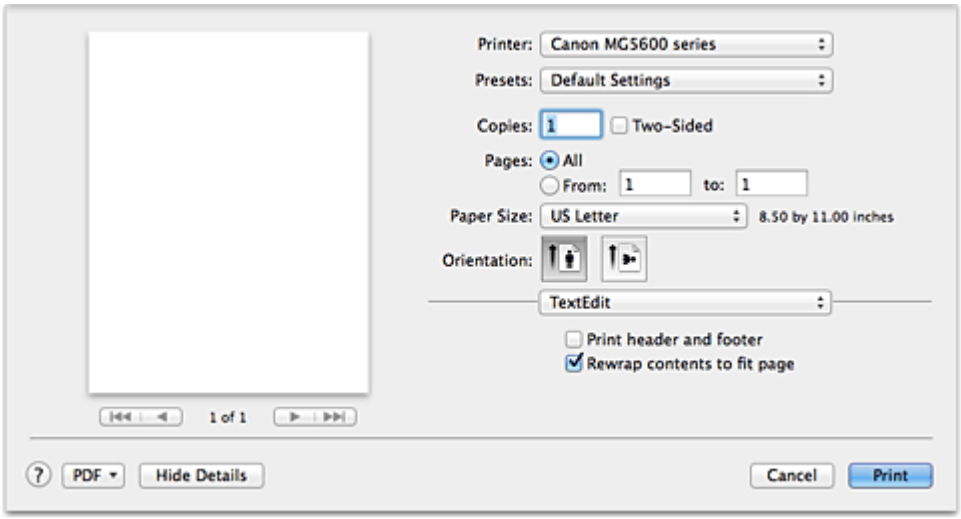
Set the scaling percentage.

You can expand or reduce the size of the document when printing.

Print Dialog

In the Print dialog, you can set paper type and print quality to start printing.

To open the Print dialog, you typically select **Print...** from the **File** menu of your application software.



Printer

Select the model to be used for printing.

When you click **Add Printer...**, a dialog for specifying the printer opens.

Presets

You can save or delete the settings of the Print dialog.

Note

- If you are using OS X Mavericks v10.9, OS X Mountain Lion v10.8, or OS X Lion v10.7, you can select **Show Presets...** to check the print settings that are set in the Print dialog.

Copies

You can set the number of copies to be printed.

Note

- If you are using Mac OS X v10.6.8, you can also set collate printing.
- If you are using OS X Mavericks v10.9, OS X Mountain Lion v10.8, or OS X Lion v10.7, you can set collated printing by choosing **Paper Handling** from the pop-up menu.

Two-Sided

You can set duplex printing.

Pages

You can set the range of pages to be printed.

Paper Size

Select the size of the paper to be used for printing.

To set a non-standard size, select **Manage Custom Sizes...**.

Orientation

Select the print orientation.

Pop-up Menu

You can switch between pages in the Print dialog by the pop-up menu. The first menu to appear differs depending on the application software that opened the Print dialog.

You can choose one of the following items from the pop-up menu.

Layout

You can set page layout printing.

Use **Reverse page orientation** to change the paper orientation, and use **Flip horizontally** to print a mirror image of the document. You can also set duplex printing.

Color Matching

You can select the color correction method.

Paper Handling

You can set the pages to be printed on paper and the print order.

Cover Page

You can output cover pages both before and after a document.

Scheduler

You can set the print start time and print priorities.

Quality & Media

You can set basic print settings that match the printer.

Color Options

You can adjust the print colors as you desire.

Borderless Printing

You can adjust the amount of document that extends off the paper when performing borderless printing.

Margin

You can set the stapling side and the stapling margin.

Supply Levels

A rough indication of the remaining ink level is displayed.

Summary

The selected items in the Print dialog are displayed.

Important

- If you are using OS X Mavericks v10.9, OS X Mountain Lion v10.8, or OS X Lion v10.7, you cannot use **Scheduler** and **Summary**.

PDF

You can save a document in PDF (Portable Document Format) format.

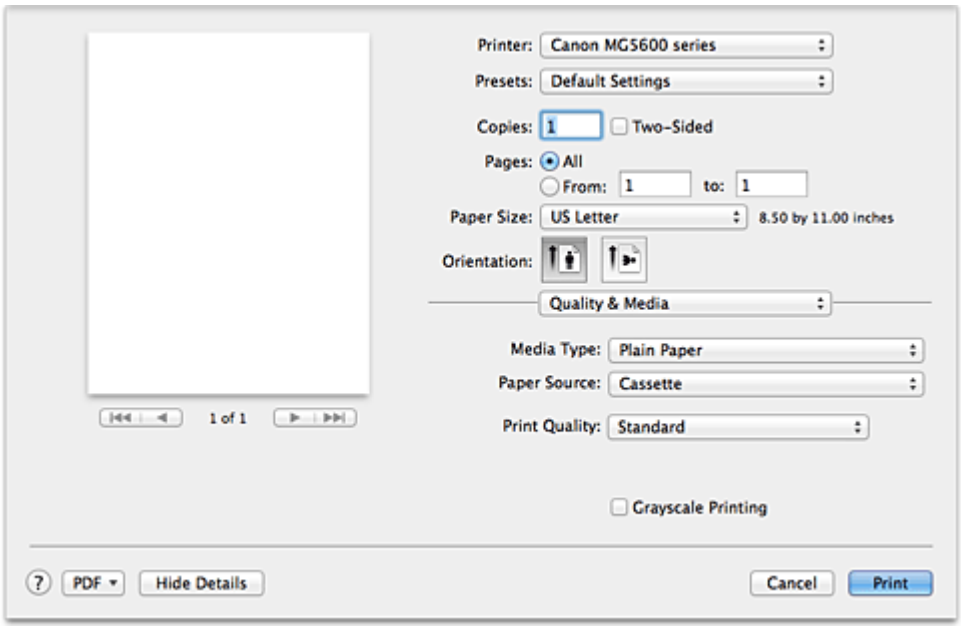
Preview

If you are using Mac OS X v10.6.8, when you click (the disclosure triangle) on the side of **Printer** and switch to the simple display, **Preview** is displayed.

This button allows you to check the print results on the screen before printing.

Quality & Media

This dialog allows you to create a basic print setup in accordance with the paper type. Unless special printing is required, normal printing can be performed just by setting the items in this dialog.



Media Type

Select the type of media to be used.

You must select the type of media actually loaded in the printer. This selection enables the printer to carry out printing properly for the material of the media used.

Paper Source

Shows the source from which paper is supplied.

Print Quality

Select the one that is closest to the original document type and the purpose.

When one of the radio buttons is selected, the appropriate quality will be set automatically.

High

Gives priority to print quality over printing speed.

Standard

Prints with average speed and quality.

Draft

This setting is appropriate for test printing.

Custom

Select this radio button to specify a quality.

Quality

When you select **Custom** in **Print Quality**, you can use the slider bar to adjust the print quality level.

Grayscale Printing

Set grayscale printing. Grayscale printing refers to the function of converting your document to grayscale data in the printer to print it in monochrome.

When you check the check box, both monochrome and color documents will be printed in monochrome. When printing a color document, be sure to uncheck the check box.

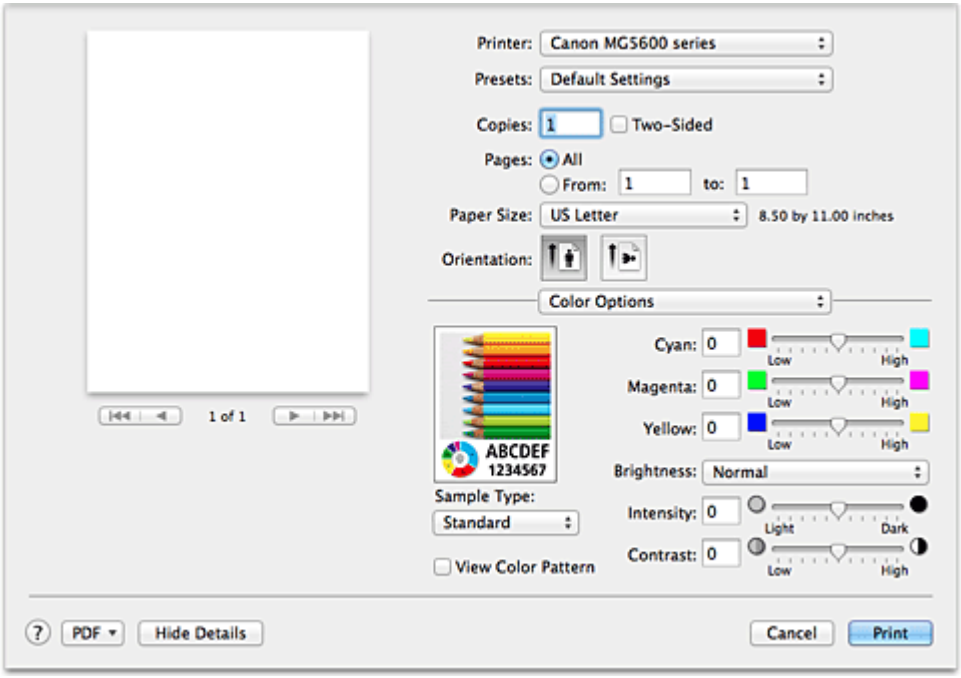
Related Topics

- Setting the Print Quality Level (Custom)
- Printing a Color Document in Monochrome

Color Options

This dialog allows you to adjust the print color as you like. If the color of the printed image is not as expected, adjust the properties in the dialog and retry printing.

The adjustments made here do not affect the colors of the original print data unlike application software dedicated to image processing. Use this dialog just to make fine adjustments.



Preview

Shows the effect of color adjustment.

As you adjust each item, the effects are reflected in the color and brightness.

Sample Type

Select an image that you want to display as a sample.

If necessary, select one from **Standard**, **Portrait**, **Landscape**, or **Graphics**, whichever is most similar to the print results.

View Color Pattern

Displays a pattern for checking color changes produced by color adjustment.

When you want to display the sample image with a color pattern, check this check box.

When you want to display the sample image with one that you selected with **Sample Type**, uncheck this check box.

Note

- When the **Grayscale Printing** check box is checked in the **Quality & Media**, the graphic is displayed in monochrome.

Color balance (Cyan, Magenta, Yellow)

If necessary, adjust the strength of each color. To strengthen a color, drag the slider to the right. To weaken a color, drag the slider to the left.

You can also directly enter a value linked to the slider. Enter a value in the range from -50 to 50.

Adjusting the color balance will result in variations in the balance among the volumes of the individual color inks and hence in the hues of the document as a whole.

Use the printer driver only when adjusting the color balance slightly. To change the color balance significantly, use the application software.

Brightness

Select the brightness of printed images.

You cannot change the levels of pure white and black. You can change the contrast of the colors between white and black.

Intensity

Select this method to adjust the overall density of your print.

To increase the overall intensity, drag the slider to the right. To decrease the overall intensity, drag the slider to the left.

You can also directly enter a value linked to the slider. Enter a value in the range from -50 to 50.

Contrast

The Contrast function changes the differences between light and dark in images during printing.

To make the differences between the light and dark portions of images greater and more distinct, increase the contrast. On the other hand, to make the differences between the light and dark portions of images smaller and less distinct, reduce the contrast.

You can also directly enter a value linked to the slider. Enter a value in the range from -50 to 50.

Important

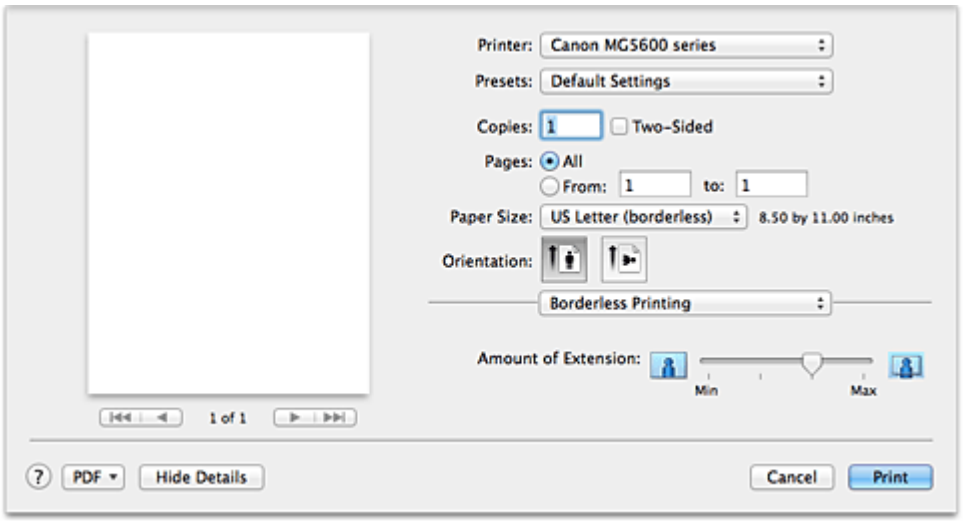
- When the **Grayscale Printing** check box is checked for **Quality & Media**, the color balance (**Cyan**, **Magenta**, **Yellow**) appear grayed out and are unavailable.
- If you select **ColorSync** for **Color Matching**, then the color balance (**Cyan**, **Magenta**, **Yellow**), **Brightness**, **Intensity**, and **Contrast** appear grayed out and are unavailable.

Related Topics

- Specifying Color Correction
- Adjusting Color Balance
- Adjusting Brightness
- Adjusting Intensity
- Adjusting Contrast

Borderless Printing

This dialog allows you to adjust the amount of the document that extends off the paper when borderless printing is performed.



Amount of Extension

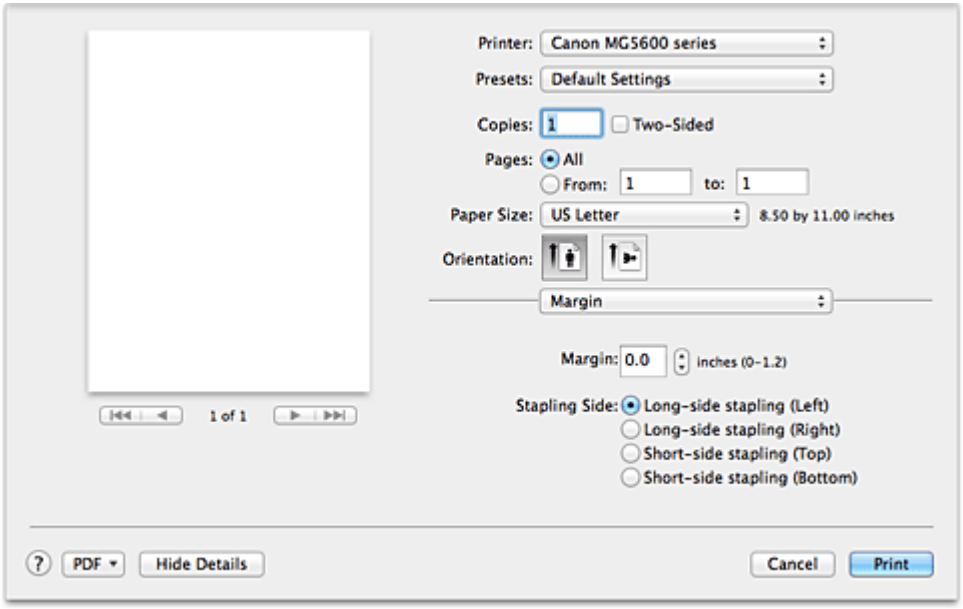
Use the **Amount of Extension** slider to adjust the amount of the document that extends off the paper. Moving the slider to the right makes the amount larger and moving the slider to the left makes the amount smaller.

Related Topic

- Execute Borderless Printing

Margin

This dialog allows you to set the stapling side and amount of margin for stapling multiple sheets of paper.



Margin

Specify the amount of margin space for stapling the paper. Enter a value between 0 inches (0 mm) to 1.2 inches (30 mm).

Stapling Side

Specify the stapling side.

Long-side stapling (Left) / Long-side stapling (Right)

Select this option to staple the long side of the paper.

Choose left or right.

Short-side stapling (Top) / Short-side stapling (Bottom)

Select this option to staple the short side of the paper.

Choose top or bottom.

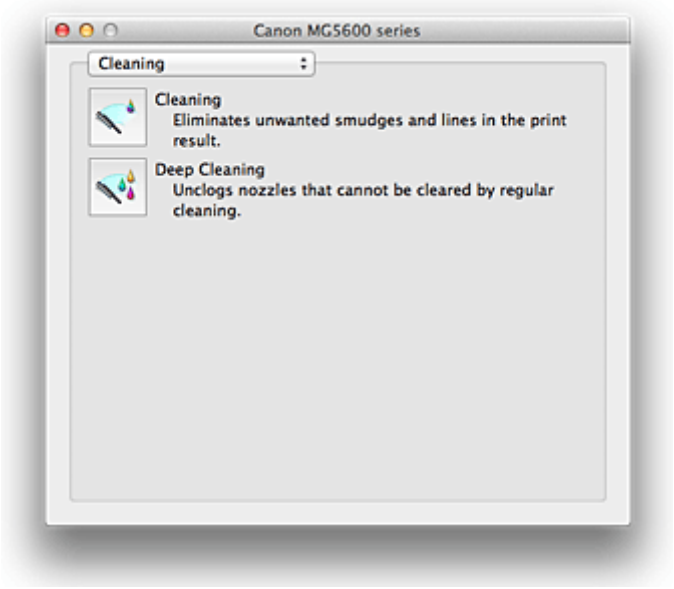
Related Topics

- Setting the Stapling Margin
- Duplex Printing

Canon IJ Printer Utility

The Canon IJ Printer Utility allows you to perform printer maintenance or change the settings of the printer.

What You Can Do with the Canon IJ Printer Utility



You can switch between pages in Canon IJ Printer Utility by the pop-up menu. You can choose one of the following items from the pop-up menu.

Cleaning

Clean the printer to clear up clogged print head nozzle.

Test Print

Execute a test print to check the condition of the print head nozzle and to adjust the print head position.

Power Settings

Operate the power of this printer from the printer driver.

Ink Level Information

Check the remaining ink levels.

Quiet Settings

You can reduce the operating noise of the printer.

Custom Settings

Change the settings of this printer.

Note

- To operate the Canon IJ Printer Utility, you must first turn on the printer.
- Depending on the items selected, the computer communicates with the printer to obtain information. If the computer is unable to communicate with the printer, an error message may be displayed. If this happens, click **Cancel** to display the most recent settings specified on your computer.

Related Topics

- Cleaning the Print Heads from Your Computer
- Use Your Computer to Print a Nozzle Check Pattern

- Aligning the Print Head Position from Your Computer
- Checking the Ink Status from Your Computer
- Managing the Printer Power
- Reducing the Printer Noise
- Changing the Printer Operation Mode

Opening the Canon IJ Printer Utility

To open the Canon IJ Printer Utility, follow the steps below.

1. Open **System Preferences**, and select **Printers & Scanners** (**Print & Scan** or **Print & Fax**)

2. Start the Canon IJ Printer Utility

   Select your model from the printer list, and click **Options & Supplies...**.

   Click **Open Printer Utility** in **Utility** tab.

   Canon IJ Printer Utility is launched.

Maintenance of this Printer

- Cleaning the Print Heads from Your Computer
- Use Your Computer to Print a Nozzle Check Pattern
- Aligning the Print Head Position from Your Computer
- Checking the Ink Status from Your Computer
- Managing the Printer Power
- Reducing the Printer Noise
- Changing the Printer Operation Mode

Display the Printing Status Screen

Check the print progress according to the following procedure:

1. Launch the printing status screen

   - If the print data has been sent to the printer

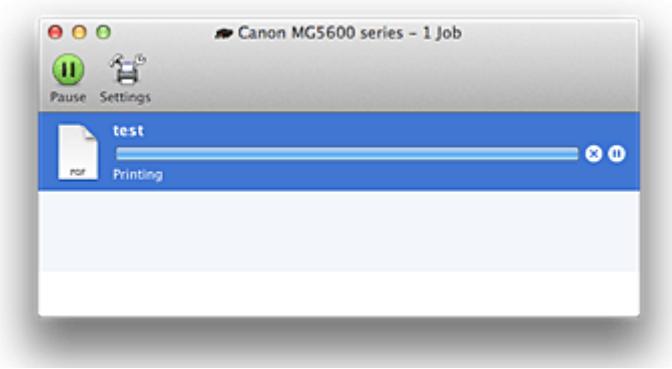
     The printing status screen opens automatically. To display the printing status screen, click the (the printer icon) displayed on the Dock.
   - If the print data has not been sent to the printer

     Open **System Preferences**, and select **Printers & Scanners** (**Print & Scan** or **Print & Fax**). To display the printing status screen, select the name of your printer model from the printer list, and then click **Open Print Queue...**.

2. Checking the printing status

   You can check the name of the file being printed or ready for being printed.

   - If you are using OS X Mavericks v10.9 or OS X Mountain Lion v10.8



Deletes the specified print job.

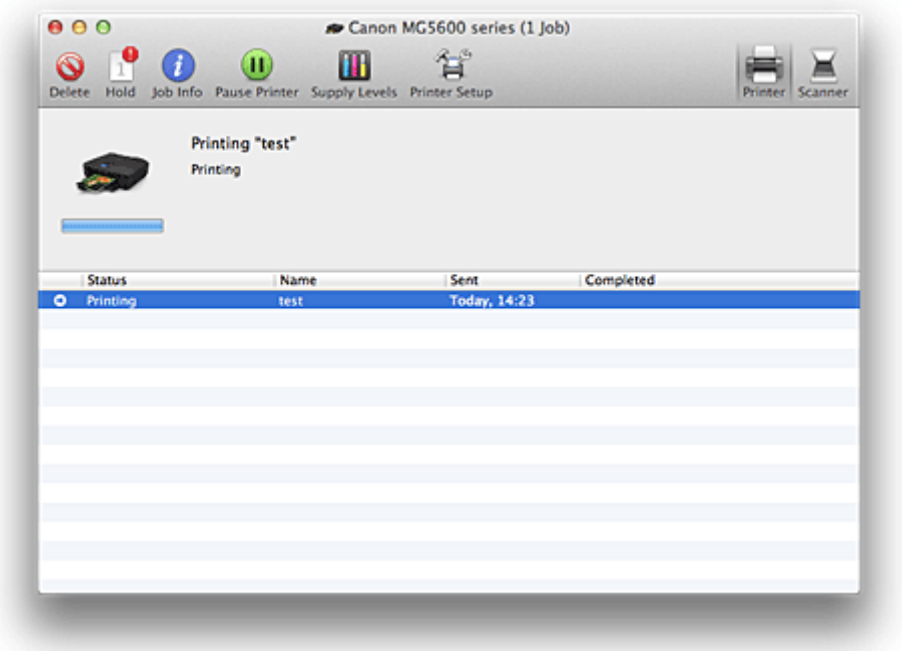
Stops printing the specified document.

Resumes printing the specified document.

Stops printing all documents.

Displayed only when printing of all documents is being stopped, and resumes printing all documents.

   - If you are using OS X Lion v10.7 or Mac OS X v10.6.8



Deletes the specified print job.

Stops printing the specified document.

Resumes printing the specified document.

Displays the print job information.

Stops printing all documents.

Displayed only when printing of all documents is being stopped, and resumes printing all documents.

Deleting the Undesired Print Job

If the printer does not start printing, canceled or failed print job data may be remaining.
Delete unnecessary print jobs from the print status check screen.

1. Open **System Preferences**, and select **Printers & Scanners** (**Print & Scan** or **Print & Fax**)

2. Select your model, and then click **Open Print Queue...**

   The print status check screen appears.

3. Select the unnecessary print job and click (**Delete**)

   The selected print jobs will be deleted.

Instructions for Use (Printer Driver)

This printer driver is subject to the following restrictions. Keep the following points in mind when using the printer driver.

Restrictions on the Printer Driver

- When you set up the Page Setup dialog, be sure to begin by selecting the model you are using from the **Format For** list. If you select another printer, printing may not be performed properly.
- If the Canon IJ Printer Utility does not display the remaining ink level in the **Ink Level Information**, check whether the print head and the ink tank are properly installed.
- When the Canon IJ Printer Utility displays the **Ink Level Information**, close the operation panel of the printer.
- The following functions cannot be used in Mac OS, though they can be used in Windows computers.
  - Duplex Printing (manual)
  - Booklet Printing
  - Tiling/Poster Printing
- Depending on the application software that you are using, a preview may not be displayed on the left side of the Print dialog.
- Do not start up the Canon IJ Network Tool while printing.
- Do not print when the Canon IJ Network Tool is running.
- If you connect this printer and AirPort with a USB cable and print, you must install the latest AirPort firmware.
- If you are using OS X Mavericks v10.9, close the print status check window when you perform printer maintenance from the Canon IJ Printer Utility.

Notes on Adding a Printer

- If you will be installing the Canon printer driver on Mac OS and using the printer through a network connection, you can select **Bonjour** or **Canon IJ Network** in the **Add** (**Add Printer**) dialog.
  Canon recommends you to use **Canon IJ Network** for printing.
  If **Bonjour** is selected, remaining ink level messages may differ from those indicated by **Canon IJ Network**.

Updating the Printer Driver

- Obtaining the Latest Printer Driver
- Delete the Unnecessary Canon IJ Printer from the Printer List
- Before Installing the Printer Driver
- Installing the Printer Driver

Obtaining the Latest Printer Driver

By updating the printer driver to the latest version of the printer driver, unresolved problems may be solved.

You can access our website and download the latest printer driver for your model.

Important

- You can download the printer driver for free, but any Internet access charges incurred are your responsibility.

Related Topics

- Before Installing the Printer Driver
- Installing the Printer Driver

Delete the Unnecessary Canon IJ Printer from the Printer List

A Canon IJ Printer that you no longer use can be deleted from the printer list.
Before deleting the Canon IJ Printer, disconnect the cable that connects the printer to the computer.

The procedure to delete the unnecessary Canon IJ Printer from the printer list is as follows:

You cannot delete the Canon IJ Printer unless you are logged in as a user with the administrative right. For information about an administrative user, refer to the user's manual for the Mac OS.

1. Open **System Preferences**, and select **Printers & Scanners** (**Print & Scan** or **Print & Fax**)

2. Delete the Canon IJ Printer from the printer list

   From the printer list, select the Canon IJ Printer to be deleted, and then click **-**.

   Click **Delete Printer** when the confirmation message appears.

Note

- Even if a Canon IJ Printer is deleted from the printer list, you can re-register it automatically by connecting the printer and your computer with a USB cable.

Before Installing the Printer Driver

This section describes the items that you should check before installing the printer driver. You should also refer to this section if the printer driver cannot be installed.

Checking the Personal Computer Settings

- Terminate all running applications.
- Log on as a user who has the administrator account. The installer will prompt you to enter the name and password of the administrative user. When multiple users are using Mac OS, log on with the account of the administrator who registered first.

Important

- When you upgrade Mac OS, all printer drivers that were installed will be deleted.
  If you plan to continue using this printer, re-install the latest printer driver.

Related Topics

- Obtaining the Latest Printer Driver
- Installing the Printer Driver

Installing the Printer Driver

You can access our web site through the Internet and download the latest printer driver for your model.

The procedure for installing the downloaded printer driver is as follows:

1. Mount the disk

   Double-click the disk image file you have downloaded.
   The file is unpacked, and then the disk is mounted.

2. Start the installer

   Double-click "PrinterDriver_XXX_YYY.pkg" (where "XXX" is your model name, and "YYY" is version) contained in the disk.

3. Start the installation

   Install the printer driver according to the messages on the screen.

   When the Software License Agreement is displayed, check the contents, and click **Continue**. If you do not agree to the terms of the Software License Agreement, you cannot install this software.

4. Selecting the install destination

   If necessary, select where you want to install the printer driver, and then click **Continue**.

5. Executing the installation

   Click **Install**.
   When the authentication screen is displayed, enter the name and password of the administrator, and then click **Install Software** (**OK**).

6. Complete the installation

   When the completion message appears, click **Close**.

The printer driver is installed successfully.

Important

- If the Installer does not operate properly, select **Quit Installer** from the **Installer** menu of the Finder to quit the Installer. Then start the Installer again.
- You can download the printer driver for free, but you are responsible for paying any connection fees to the Internet.

Related Topics

- Obtaining the Latest Printer Driver
- Delete the Unnecessary Canon IJ Printer from the Printer List
- Before Installing the Printer Driver

Printing Using the Operation Panel of the Machine

- Printing Template Forms Such As Lined Paper or Graph Paper

Printing Template Forms Such As Lined Paper or Graph Paper

You can print a template form such as lined paper, graph paper, or checklist, etc. on A4, B5, or Letter-sized plain paper.

Printable template forms

Printing template forms

Printable template forms

The following templates are available:

- **Notebook paper**

You can select three line spacing formats.

Setting on the LCD:

- **Notebook paper 1**: **8 mm spacing**
- **Notebook paper 2**: **7 mm spacing**
- **Notebook paper 3**: **6 mm spacing**

Note

- You cannot print Notebook paper on B5 sized paper.

- **Graph paper**

You can select two square sizes.

Setting on the LCD:

- **Graph paper 1**: **Graph 5 mm**
- **Graph paper 2**: **Graph 3 mm**

Note

- You cannot print Graph paper on B5 sized paper.

- **Checklist**

You can print a notepad with checkboxes.

Setting on the LCD:

Checklist

- **Staff paper**

You can print staff paper with 10 or 12 staves.

Setting on the LCD:

  - **Staff paper 1**: **Staff paper 10 staves**
  - **Staff paper 2**: **Staff paper 12 staves**

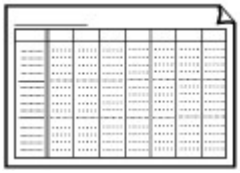
- **Handwriting paper**

You can print handwriting paper.

Setting on the LCD:

Handwriting paper

- **Weekly schedule**

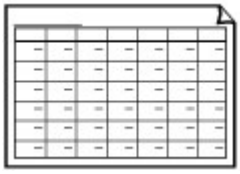


You can print a weekly schedule form.

Setting on the LCD:

Weekly schedule

- **Monthly schedule**



You can print a monthly schedule form.

Setting on the LCD:

Monthly schedule

Printing template forms

Print template form following the procedure below.

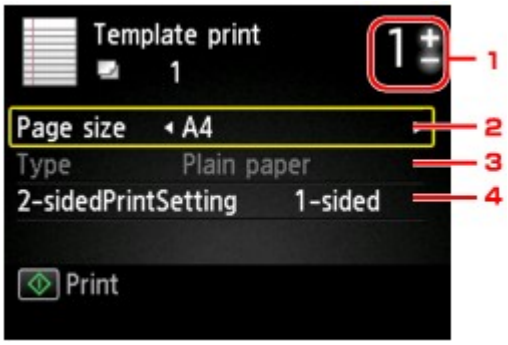
1. Make sure that the machine is turned on.
2. Load A4, B5, or Letter-sized plain paper.
3. Select **Advanced print** on the **HOME** screen.

   LCD and Operation Panel
4. Select **Template print**, then press the **OK** button.

5. Use the ▲▼◄► button to select the template you want to print, then press the **OK** button.

   Printable template forms

6. Specify the settings as necessary.



   1. Number of copies

      Use the **+** or **-** button to specify the number of copies.

   2. **Page size**

      Select the page size depending on the loaded paper.

      Note

      - Depending on the form, some setting of page size cannot be specified. If it is selected, **Error details** is displayed on the LCD. In this case, press the left **Function** button to confirm the message, then change the setting.

   3. **Type** (Media type)

      The paper type is set to **Plain paper**.

   4. **2-sidedPrintSetting**

      Select two-sided printing or single-sided printing.

7. Start printing.

   Press the **Color** button for printing the following forms.

   Notebook paper 1/Notebook paper 2/Notebook paper 3/Graph paper 1/Graph paper 2/ Handwriting paper

   Press the **Black** button for printing the following forms.

   Checklist/Staff paper 1/Staff paper 2/Weekly schedule/Monthly schedule

Printing with Web Service

Important

- This function may not be available depending on the country or region of purchase.

Notice for Web Service Printing

Downloading and Printing Template Forms

Notice for Web Service Printing

When Using Web Service

- Canon does not guarantee the continuity and reliability of the web services provided, the availability of site access, or permission to download the materials.
- Canon may at any time update, change, or delete the information provided through the web service, or may suspend or discontinue the service without prior notice. Canon shall not be held responsible for any damages resulting from such actions.
- In no event shall Canon be liable for any damages whatsoever resulting from the use of the web services.
- All or part of the web service may not be available depending on the country or region you live in.
- Depending on your network environment, some functions on web service are not available. Even if they are available, it may take a while to print or display the contents, or communication may be interrupted while operation is in progress.

Copyrights and Rights of Publicity

When printing downloaded template forms:

1. The copyright of each material (photos, illustrations, logos, or documents: hereinafter referred to as "the materials") provided on the web template printing service belongs to their respective owners. Issues pertaining to Rights of Publicity may arise regarding the use of any of people or characters displayed on the web template printing service.

   Except as otherwise permitted (please see "2" below), copying, modifying or distributing all or a portion of any of the materials contained on the web template printing service without prior consent of the respective rights (Rights of Publicity and Copyright) holder is strictly prohibited.
2. All of the materials provided on the web template printing service can be freely used for personal and non-commercial purposes.

Downloading and Printing Template Forms

Important

- This function may not be available depending on the country or region of purchase.

You can download the template form you want to print from the web service.

Before using the web service, see the terms of service.

Notice for Web Service Printing

Important

- LAN connection with the machine and internet connection are required to use this function.

1. Make sure that the machine is turned on.
2. Select **Cloud** on the **HOME** screen.

   LCD and Operation Panel
3. Select **Web template print**, then press the **OK** button.

   The category folders of the template form are displayed on the LCD.
4. Use the ◄► button to select the category folder of template form, then press the **OK** button.

   The template forms in the category folder are displayed on the LCD.
5. Use the ◄► button to select the template form you want to print, then press the **OK** button.
6. Check the message that is displayed, then press the **OK** button.
7. Check the print settings.

   The print settings are determined automatically according to the specified template form.

   To change the print setting, use the ▲▼ button to select the setting item and use the ◄► button to change the settings.

   Note

   - **2-sidedPrintSetting** is set to **1-sided**.
   - Depending on the template form, some print setting cannot be specified. If it is selected, **Error details** is displayed on the LCD. In this case, press the left **Function** button to confirm the message, then change the setting.
8. Load paper according to the print settings.

9. Press the **Color** button.

   The machine starts printing.

Printing from a Digital Camera

- **Printing Photographs Directly from a PictBridge (Wireless LAN) Compliant Device**
- **About PictBridge (Wireless LAN) Print Settings**

Printing Photographs Directly from a PictBridge (Wireless LAN) Compliant Device

You can connect a PictBridge (Wireless LAN) compliant device such as a digital camera, camcorder, or mobile phone to the machine through wireless LAN, and print recorded images directly without using a computer.

Connectable devices:

PictBridge (Wireless LAN) compliant device

Printable image data format:

The machine accepts images* taken with a camera compliant with the Design rule for Camera File system and PNG files.

* Exif 2.2/2.21/2.3 compliant

Important

- LAN connection with the machine is required to use this function.

Note

- PictBridge is the Standard to print your photos directly without using a computer, connecting a device such as a digital still camera, digital camcorder, or camera-equipped mobile phone.

  In this manual, PictBridge printing with the wireless LAN connection is referred to as "PictBridge (Wireless LAN)."
- When printing photos with the PictBridge (Wireless LAN) compliant device connected to the machine, we recommend the use of the AC adapter supplied with the device. If you are using the device battery, be sure to charge it fully.
- Depending on the model or brand of your device, you may have to select a print mode compliant with PictBridge (Wireless LAN) before connecting the device. You may also have to turn on the device or select Play mode manually after connecting the device to the machine.

  Perform necessary operations on the PictBridge (Wireless LAN) compliant device before connecting it to this machine according to instructions given in the device's instruction manual.

1. Make sure that the machine is turned on.
2. Load paper.
3. Connect the PictBridge (Wireless LAN) compliant device to the machine.

   Detect the machine with the PictBridge (Wireless LAN) compliant device and connect the PictBridge (Wireless LAN) compliant device to the machine with wireless LAN.

   Note

   - For details on how to detect the machine, refer to your PictBridge (Wireless LAN) compliant device's instruction manual.
4. Specify the print settings such as the paper type and layout.

You can perform settings using the menu on the LCD of your PictBridge (Wireless LAN) compliant device. Select the size and type of paper that you loaded in the machine.

Settings on a PictBridge (Wireless LAN) Compliant Device

If your PictBridge (Wireless LAN) compliant device does not have a setting menu, change the setting from the machine.

Settings on the Machine

Note

- When printing from the PictBridge (Wireless LAN) compliant device, set the print quality with the operation panel on the machine. You cannot set the print quality on the PictBridge (Wireless LAN) compliant device.

5. Start printing from your PictBridge (Wireless LAN) compliant device.

About PictBridge (Wireless LAN) Print Settings

Settings on a PictBridge (Wireless LAN) Compliant Device

Settings on the Machine

Settings on a PictBridge (Wireless LAN) Compliant Device

This section describes the PictBridge (Wireless LAN) function of the machine. For the print settings on a PictBridge (Wireless LAN) compliant device, refer to the instructions given in the device's instruction manual.

Note

- In the following description, names of setting items are given according to those used in Canon-brand PictBridge (Wireless LAN) compliant devices. Setting item names may be different depending on the brand or model of your device.
- Some setting items explained below may not be available on some devices. In this case, the settings made on the machine are applied. Also, when some items are set to **Default** on a PictBridge (Wireless LAN) compliant device, the machine settings for these items are applied.

  PictBridge print settings

The following settings can be used when printing from a PictBridge (Wireless LAN) compliant device.

Paper size	4" x 6"/ 10 x 15 cm, 5" x 7"*, 8" x 10"/ 20 x 25 cm, A4, 8.5" x 11"(Letter) * Can be selected only on certain Canon-brand PictBridge (Wireless LAN) compliant devices. (May not be selected depending on the device.)
Paper type	• Default (Selections based on the machine setting) • Photo: Photo Paper Plus Glossy II PP-201/Photo Stickers* * When printing on sticker paper, select **4"x6"/10x15cm** in **Paper size**. Do not set **Layout** to **Borderless**. • Fast Photo: Photo Paper Pro Platinum PT-101 • Plain: A4/Letter sized plain paper When **Paper type** is set to **Plain**, borderless printing will be disabled even when **Layout** is set to **Borderless**.
Layout	Default (Selections based on the machine setting), Index, Bordered, Borderless, N-up (2, 4, 9, 16)*1, 20-up*2, 35-up*3 *1 Layout compatible with A4 or Letter-sized paper and Canon-brand sticker above. -A4/Letter: 4-up -Photo Stickers: 2-up, 4-up, 9-up, 16-up. *2 With a Canon brand PictBridge (Wireless LAN) compliant device, selecting items with "i" mark allows you to print shooting info (Exif Data) in list format (20-up) or on the margins of the specified data (1-up). (May not be available with some Canon-brand PictBridge (Wireless LAN) compliant devices.)

	*3 Printed in 35 mm Film Style Layout (Contact Printing Layout). Available only with a Canon-brand PictBridge (Wireless LAN) compliant device. (May not be available with some Canon-brand PictBridge (Wireless LAN) compliant devices.)
Print date & file no.	Default (Off: No printing), Date, File No., Both, Off
Image optimize	Default (Selections based on the machine setting), On (Auto photo fix)*1, Off, Red-Eye*2 *1 The scene or person's face of a shot photo is recognized and the most suitable correction for each photo is made automatically. It makes a darkened face by backlight brighter to print. It also analyzes a scene such as scenery, night scene, person, etc. and corrects each scene with the most suitable color, brightness, or contrasts automatically to print. *2 Can be selected only on certain Canon-brand PictBridge (Wireless LAN) compliant devices. (May not be selected depending on the device.)
Trimming	Default (Off: No trimming), On (follow the camera's setting), Off

Settings on the Machine

You can change the PictBridge (Wireless LAN) print settings from the **PictBridge print settings** screen. Set the print settings to **Default** on the PictBridge (Wireless LAN) compliant device when you want to print according to the settings on the machine.

This section describes the procedure to display the **PictBridge print settings** screen.

1. Make sure that the machine is turned on.
2. Select **Setup** on the **HOME** screen.

   LCD and Operation Panel
3. Select **Device settings**, then press the **OK** button.
4. Use the ▲▼ button to select **PictBridge print settings**, then press the **OK** button.
5. Check the message that is displayed, then press the **OK** button.

   The **PictBridge print settings** screen is displayed.

   For details on the setting items:

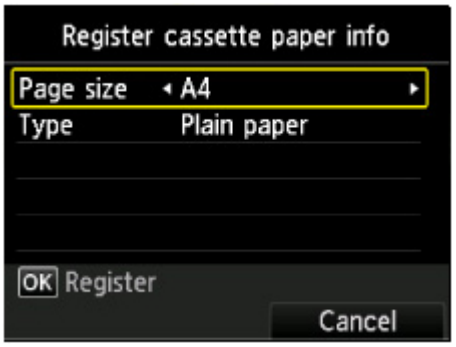
   PictBridge print settings

Paper setting for Printing

By registering the paper size and the media type loaded in the cassette, you can prevent the machine from misprinting by displaying the message before printing starts when the paper size or the media type of the loaded paper differs from the print settings.

- **When you load paper in the cassette:**

The screen to register the cassette paper information is displayed.



Register the paper size and the media type according to the loaded paper.

Important

- For details on the proper combination of paper settings you can specify by the printer driver or on the LCD:

  Setting the Media Type with the Printer Driver and on the Printer

  Setting the Paper Size with the Printer Driver and on the Printer

- For copying, specify the paper settings for copying so that they match the cassette paper information.

Note

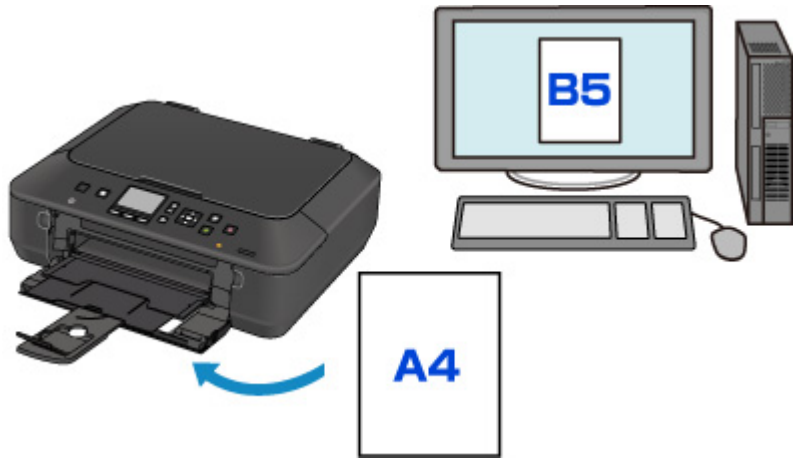
- Depending on the registered cassette paper information, the screen to confirm if you apply the registered information to the paper settings for copying is displayed. If you select **Yes**, the information is applied to the paper settings for copying.

- **When the paper settings for printing or copying are different from the cassette paper information registered to the machine:**

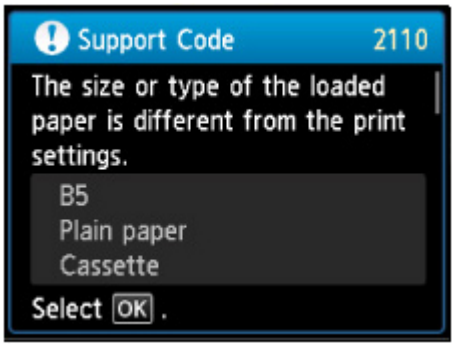
  Ex:

  - Paper setting for printing or copying: B5

◦ Cassette paper information registered to the machine: A4



When you start printing or copying, a message is displayed.



Confirm the message, then press the **OK** button. When the screen to select the operation is displayed, select one of the operations below.

Note

- Depending on the setting, the choices below may not be displayed.

Print with paper in cass. settings

Select if you want to print on the paper loaded in the cassette without changing the paper settings.

For example, when the paper setting for printing or copying is B5 and the cassette paper information registered to the machine is A4, the machine starts printing or copying with B5 on the paper loaded in the cassette.

Replace the paper and print

Select if you want to print after replacing the paper of the cassette.

For example, when the paper setting for printing or copying is B5 and the cassette paper information registered to the machine is A4, you load B5 sized paper in the cassette before you start printing or copying.

The cassette paper information registration screen is displayed after replacing the paper and inserting the cassette. Register the cassette paper information according to the paper you loaded in the cassette.

Note

- If you do not know what paper information to register to the machine, press the **Back** button when the screen to select the operation is displayed. When the previous screen is displayed, confirm the paper size and the media type, then register them to the machine.

- For details on the proper combination of paper settings you can specify by the printer driver or on the LCD:

  Setting the Media Type with the Printer Driver and on the Printer

  Setting the Paper Size with the Printer Driver and on the Printer

Cancel

Cancels printing.

Select when you change the paper settings specified for printing or copying. Change the paper settings, then try printing again.

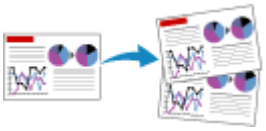
Note

- You can disable the message which prevents misprinting. When you disable the message, the machine starts printing or copying even though the paper settings for printing or copying and the cassette paper information registered to the machine are different.
  - To change the setting using the operation panel:

    Cassette settings
  - To change the setting using the printer driver:

    Changing the Printer Operation Mode

Copying



Making Copies Basic

Reducing or Enlarging a Copy

Two-Sided Copying

About Special Copy Menu

Copying Two Pages to Fit onto a Single Page

Copying Four Pages to Fit onto a Single Page

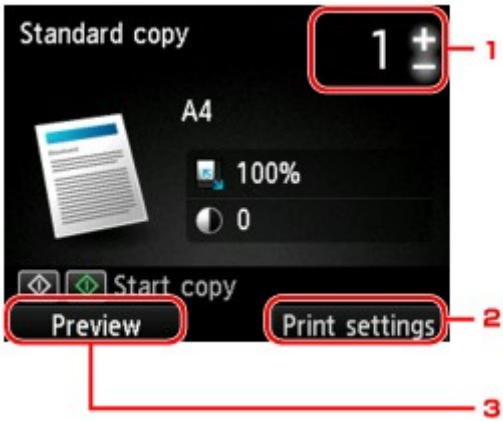
Making Copies

This section describes the procedure to copy with **Standard copy**.

1. Make sure that the machine is turned on.
2. Load paper.
3. Select **Copy** on the **HOME** screen.

   LCD and Operation Panel

   The Copy standby screen is displayed.
4. Load the original on the platen glass.
5. Specify the settings as necessary.



   1. Number of copies

      Specify by using the **+** or **-** button.
   2. **Print settings**

      By pressing the right **Function** button, the print settings screen is displayed.

      On the print settings screen, you can change the settings of page size, media type, and print quality and so on.

      Setting Items for Copying
   3. **Preview**

      By pressing the left **Function** button, you can preview an image of the printout on the preview screen.

      Displaying the Preview Screen
6. Press the **Color** button for color copying, or the **Black** button for black & white copying.

   The machine starts copying.

   Remove the original on the platen glass after copying is complete.

Important

- Do not open the document cover or remove the original from the platen glass until scanning is completed.

Note

- To cancel copying, press the **Stop** button.

Adding the Copying Job (Reserve copy)

You can add the copying job while printing (Reserve copy).

The screen below is displayed when you can add the copying job.

Load the original on the platen glass and press the same button (the **Color** button or the **Black** button) as the one which you previously pressed.

Important

- When you load the original on the platen glass, move the document cover gently.

Note

- When **Print qlty** (print quality) is set **High**, you cannot add the copying job.
- When you add the copying job, the number of copies or the settings such as the page size or media type cannot be changed.
- If you press the **Stop** button while reserve copying is in progress, the screen to select the method to cancel copying is displayed. If you select **Cancel all reservations** then press the **OK** button, you can cancel copying all scanned data. If you select **Cancel the last reservation**, then press the **OK** button, you can cancel the last copying job.
- If you set a document of too many pages to add the copying job, **Cannot add more copy jobs. Please wait a while and redo the operation.** may appear on the LCD. Press the **OK** button and wait a while, then try copying again.
- If **Failed to reserve the copy job. Start over from the beginning.** appears on the LCD when scanning, press the **OK** button, then press the **Stop** button to cancel copying. After that, copy the documents that have not been finished copying.

Displaying the Preview Screen

When you load the original on the platen glass and select **Standard copy** or **Frame erase copy** in **Advanced print**, pressing a **Function** button allows you to preview an image of the printout on the preview screen.

When **Standard copy** is selected, press the left **Function** button on the Copy standby screen.

When **Frame erase copy** is selected, press the right **Function** button on the print settings screen.

Important

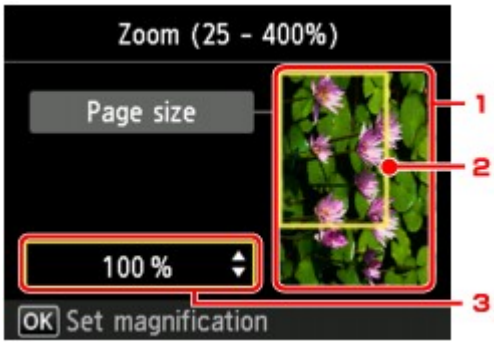
- In the following conditions, you cannot use the left **Function** button when the Copy standby screen is displayed.
  - **2-sided** is selected for **2-sidedPrintSetting**.
  - **2-on-1 copy** or **4-on-1 copy** is selected for **Layout**.

  When either of the conditions above is selected, you can set to display the preview screen after scanning the original is finished.

  Two-Sided Copying

  Copying Two Pages to Fit onto a Single Page

  Copying Four Pages to Fit onto a Single Page
- The original will be scanned to display the preview image. Therefore, do not open the document cover until the preview screen is displayed.
- Originals are rescanned after displaying the preview screen and before copying starts. Therefore, do not open the document cover or remove the original from the platen glass while **Scanning document...** is displayed.



1. Preview of the original

   The original that is set on the platen glass is displayed. If the displayed image is skewed, refer to Loading Originals and reset the original properly, then display the preview screen again and preview the original.

2. Page size

   A frame showing the selected page size appears over the image. The inside of the frame will be printed.

3. Magnification

   The magnification setting, which was set when the preview screen was displayed, is displayed. If the setting other than **Fit to page** is selected, you can change the magnification setting using the ▲▼ button.

Setting Items for Copying

You can change the copy settings such as magnification and intensity.

Print Settings Screen

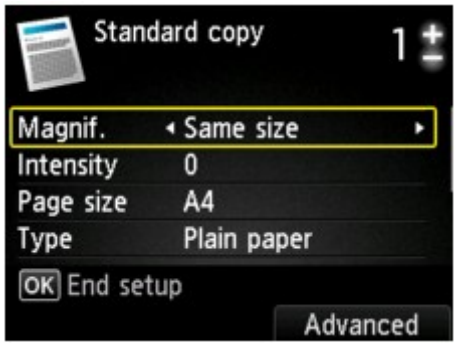
Note

- For details on the print setting screen or the setting item for **Photo copy**, see Copying Photos.

How to display the print setting screen varies with the copy menu.

- In **Standard copy**:

  The following screen is displayed by pressing the right **Function** button on the Copy standby screen.



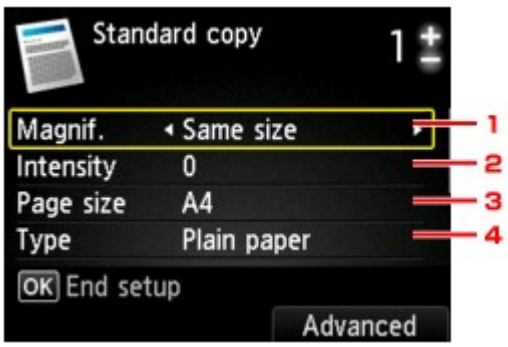
- In **Borderless copy** or **Frame erase copy**:

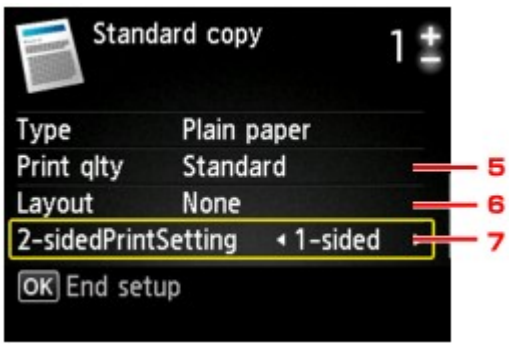
  The following screen is displayed before copying.

Setting Items

You can specify the following setting items.

Use the ▲▼ button to change the setting item and use the ◄► button to change the setting.





Note

- Depending on the copy menu, some setting items cannot be selected. This section describes the setting items in **Standard copy**.

  The setting item which cannot be selected is displayed grayed out.

  For details on the setting items for **Photo copy**, see Copying Photos.
- Some settings cannot be specified in combination with the setting of other setting item or the copy menu. If the setting which cannot be specified in combination is selected, **Error details** is displayed on the LCD. In this case, press the left **Function** button to confirm the message, then change the setting.
- The settings of the page size, media type, etc. are retained even if the machine is turned off.
- When copying starts in the copy menu that is not available with the specified setting, **The specified function is not available with current settings.** is displayed on the LCD. Change the setting, following the on-screen instructions.

1. **Magnif.** (Magnification)

   Specify the reduction/enlargement method.

   Reducing or Enlarging a Copy

2. **Intensity**

   Specify the intensity. When **Auto** is selected, the intensity is adjusted automatically according to the originals loaded on the platen glass. **Auto** is displayed on the Copy standby screen.

3. **Page size**

   Select the page size of the loaded paper.

4. **Type** (Media type)

   Select the media type of the loaded paper.

5. **Print qlty** (Print quality)

   Adjust print quality according to the original.

   ### Important

   - If you use **Draft** with **Type** set to **Plain paper** and the quality is not as good as expected, select **Standard** or **High** for **Print qlty** and try copying again.

- Select **High** for **Print qlty** to copy in grayscale. Grayscale renders tones in a range of grays instead of black or white.

6. **Layout**

   Select the layout.

   Copying Two Pages to Fit onto a Single Page

   Copying Four Pages to Fit onto a Single Page

7. **2-sidedPrintSetting**

   Select whether to perform two-sided copying.

   Two-Sided Copying

Reducing or Enlarging a Copy

You can specify the magnification optionally or select the preset-ratio copying or fit-to-page copying.

The LCD below is displayed when you press the right **Function** button in the Copy standby screen. Select the reduction/enlargement method from **Magnif.**.

Note

- Some of the reduction/enlargement methods are not available depending on the copy menu.

- Fit to page

  The machine automatically reduces or enlarges the image to fit the page size.

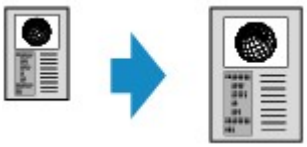
  The setting in **Magnif.**: **Fit to page**

  Note

  - When you select **Fit to page**, the page size may not be detected correctly depending on the original. In this case, select the setting other than **Fit to page**.

- Preset ratio

  You can select one of the preset ratios to reduce or enlarge copies.

  Select the appropriate ratio for size of original and page size.

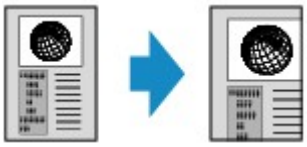
  The setting in **Magnif.**: **70% A4->A5/86% A4->B5/94% A4->LTR/115% B5->A4/141% A5->A4/156% 5x7->LTR/183% 4x6->LTR**

  Note

  - Some of the preset ratios are not available depending on the country or region of purchase.

- Ratio specified copy

  You can specify the copy ratio as a percentage to reduce or enlarge copies.



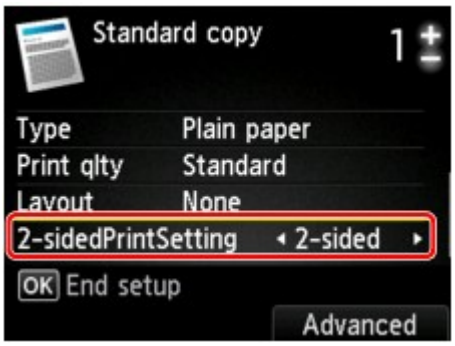
If you select other than **Fit to page** and press the right **Function** button, **Magnification** screen is displayed. Use the ▲▼ button to specify the magnification.

Note

- **400% MAX** (maximum copy ratio) and **25% MIN** (minimum copy ratio) are selectable.
- If you make a copy at the same size as the original, select **Same size**.

Two-Sided Copying

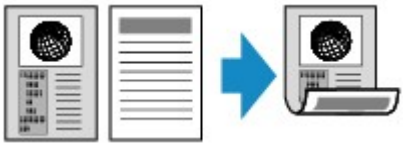
When you select **2-sided** for **2-sidedPrintSetting** in **Standard copy**, you can copy two original pages onto the both sides of a single sheet of paper.



Press the right **Function** button to select the orientation and the stapling side.

- When you select **Portrait** for **Orientation** and **Long-side stapling** for **Stapling side of print paper**:

- When you select **Portrait** for **Orientation** and **Short-side stapling** for **Stapling side of print paper**:



- When you select **Landscp.** for **Orientation** and **Long-side stapling** for **Stapling side of print paper**:

- When you select **Landscp.** for **Orientation** and **Short-side stapling** for **Stapling side of print paper**:

After selecting the stapling side and press the **OK** button, you can select whether you use the preview screen. If you select **ON**, the preview screen is displayed so that you can check the orientation.

Note

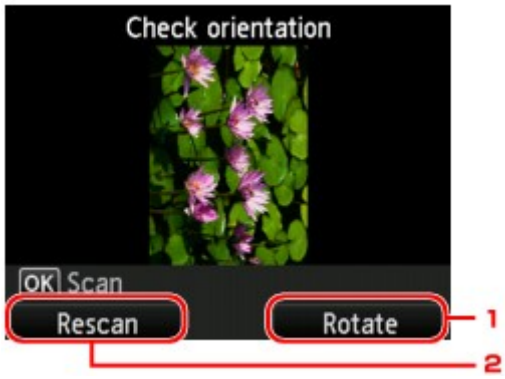
- If **Device memory is full. Cannot continue process.** appears on the LCD when scanning, set the print quality to **Standard**, then try copying again. If the problem is not resolved, set the print quality to **Draft** and try copying again.
- Two-sided copy setting can be used in combination with **2-on-1 copy** or **4-on-1 copy**.

  Copying Two Pages to Fit onto a Single Page

  Copying Four Pages to Fit onto a Single Page
- If you are copying in black & white, print intensity of the Two-sided copy may differ from that of a single-sided copy.

When checking the orientation:

When you are using the preview screen, the screen below is displayed before copying starts so that you can check the orientation.



1. **Rotate**

   If you press the right **Function** button, the original rotates by 180 degrees.

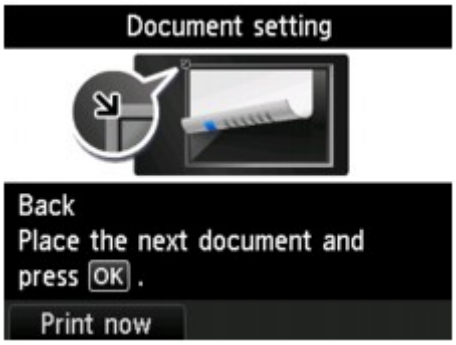
2. **Rescan**

   If you press the left **Function** button, the original is rescanned.

Press the **OK** button to start scanning.

When scanning is finished:

The **Document setting** screen appears on the LCD after scanning each sheet of original.



Remove the sheet of original from the platen glass after scanning and load the next sheet on the platen glass, then press the **OK** button.

Note

- If you do not need more scanning, press the left **Function** button. The machine starts copying.
- You can add the copying job while printing.

  Adding the Copying Job (Reserve copy)

About Special Copy Menu

The following menus are selectable in the **Advanced print** menu to copy originals.

Borderless copy

You can copy images so that they fill the entire page without borders.

Copying without Borders

Frame erase copy

When copying thick originals such as books, you can make a copy without black margins around the image and gutter shadows.

Copying Thick Originals Such as Books

Photo copy

You can copy all photos you scanned.

Copying Photos

Copying Thick Originals Such as Books

When copying thick originals such as books, you can make a copy without black margins around the image and gutter shadows. Using this function, you can reduce unnecessary ink consumption.

1. Make sure that the machine is turned on.
2. Load paper.
3. Select **Advanced print** on the **HOME** screen.

   LCD and Operation Panel
4. Select **Frame erase copy**, then press the **OK** button.
5. Load the original document on the platen glass.
6. Specify the number of copies by using the **+** or **-** button.

   Change the print settings as necessary.

   Setting Items for Copying

   Note

   - When the Copy standby screen is displayed, pressing the right **Function** button allows you to preview an image of the printout on the preview screen.

     Displaying the Preview Screen
7. Press the **Color** button for color copying, or the **Black** button for black & white copying.

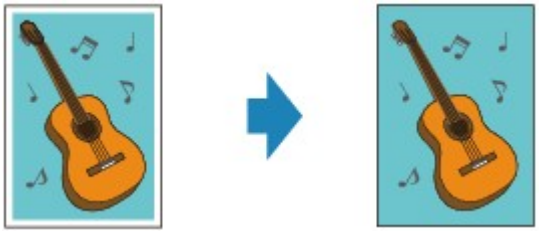
   The machine starts copying.

Note

- Close the document cover.
- There may be a narrow black margin that appears around the image. This function removes the dark margins only. If a scanned book is too thin or when the machine is used near a window or in a bright environment, a faint black frame may remain. Also, if the color of an original is dark, the machine cannot distinguish the document color from the shadow and this may cause slight cropping or a shadow on the crease.

Copying without Borders

You can copy images on photo paper so that they fill the entire page without borders.



1. Make sure that the machine is turned on.
2. Load the photo paper.
3. Select **Advanced print** on the **HOME** screen.

   LCD and Operation Panel
4. Select **Borderless copy**, then press the **OK** button.
5. Load the original on the platen glass.
6. Specify the number of copies by using the **+** or **-** button.

   Change the print settings as necessary.

   Setting Items for Copying
7. Press the **Color** button for color copying, or the **Black** button for black & white copying.

   The machine starts copying.

Note

- Slight cropping may occur at the edges since the copied image is enlarged to fill the whole page. You can change the width to be cropped from the borders of the original image as needed. However, the cropped area will be larger if the extension amount is large.

  For details:

  Extended copy amount
- For details on the paper size and the media type available for borderless copying:

  Printing Area

Copying Photos

You can scan printed photos and print them all at one time.

1. Make sure that the machine is turned on.
2. Load the photo paper.
3. Select **Advanced print** on the **HOME** screen.

   LCD and Operation Panel
4. Select **Photo copy**, then press the **OK** button.
5. Confirm the on-screen instructions, then press the **OK** button.
6. Load the printed photo on the platen glass following the on-screen instructions, then press the **OK** button.

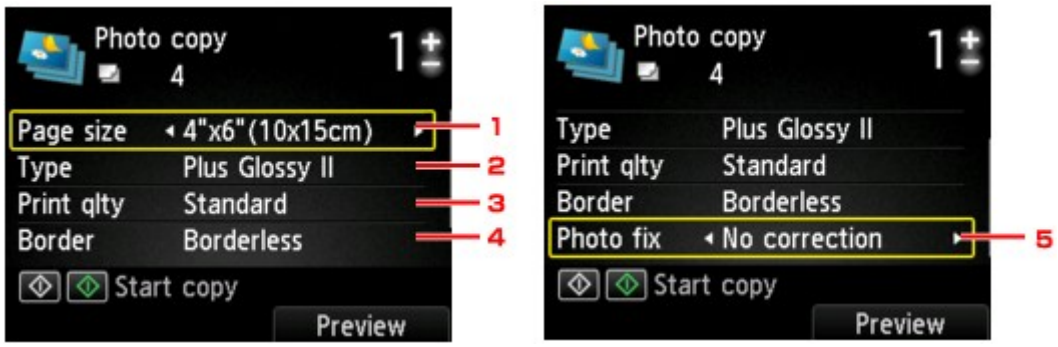
   Note

   - For details on loading photos on the platen glass:

     Loading Originals

   When scanning is complete, the print settings confirmation screen is displayed.
7. Specify the settings as necessary.

   Use the ▲▼ button to change the setting item and use the ◄► button to change the setting.



   Note

   - Depending on the setting item, some settings cannot be specified in combination with the setting of other setting items. If the setting cannot be specified in combination is selected, **Error details** is displayed on the LCD. In this case, press the left **Function** button to confirm the message, then change the setting.

   1. **Page size**

      Select the page size of the loaded paper.

2. **Type** (Media type)

   Select the media type of the loaded paper.

3. **Print qlty** (Print quality)

   Select print quality according to the original.

4. **Border** (Bordered/Borderless print)

   Select bordered or borderless print.

5. **Photo fix**

   Select **No correction**, **Auto photo fix**, or **Fade restoration**.

   Note

   - When **No correction** is selected, the machine prints the scanned image without correction.
   - When **Auto photo fix** is selected, the machine corrects the scanned image automatically.
   - When **Fade restoration** is selected, the machine corrects the scanned image that have faded over time.

8. Specify the number of copies by using the **+** or **-** button.

Note

- By pressing the right **Function** button, you can preview an image of the printout on the preview screen. Use the ◄► button to change the display.
- If appears on the photo, the printed photo may not be scanned properly. Rescan the printed photo.

9. Press the **Color** button for color printing, or the **Black** button for black & white printing.

The machine starts printing.

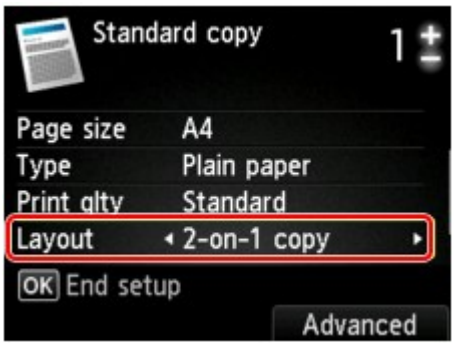
Note

- If the printed photo was not scanned properly, the confirmation screen asking you if you continue printing is displayed. By selecting **Yes**, the machine starts printing. If you rescan the photo, select **No** and scan the photo again.

Copying Two Pages to Fit onto a Single Page

When you select **2-on-1 copy** for **Layout** in **Standard copy**, you can copy two original pages onto a single sheet of paper by reducing each image.

Press the right **Function** button on the Copy standby screen to display the print settings screen, then select **2-on-1 copy** for **Layout**.



Press the right **Function** button to specify the orientation and the advanced layout.

- When you select **Portrait** for **Orientation** and **Left to right** for **2-on-1 copy layout**:

- When you select **Portrait** for **Orientation** and **Right to left** for **2-on-1 copy layout**:

- When you select **Landscp.** for **Orientation** and **Top to bottom** for **2-on-1 copy layout**:

- When you select **Landscp.** for **Orientation** and **Bottom to top** for **2-on-1 copy layout**:

After selecting the layout and press the **OK** button, you can select whether you use the preview screen. If you select **ON**, the preview screen is displayed so that you can check the orientation.

Note

- If **Device memory is full. Cannot continue process.** appears on the LCD when scanning, set the print quality to **Standard**, then try copying again. If the problem is not resolved, set the print quality to **Draft** and try copying again.
- This function can be used in combination with Two-sided copy.

  If you use this function in combination, you can copy four original pages on one sheet of paper. In this case, two original pages are copied on each side of paper.

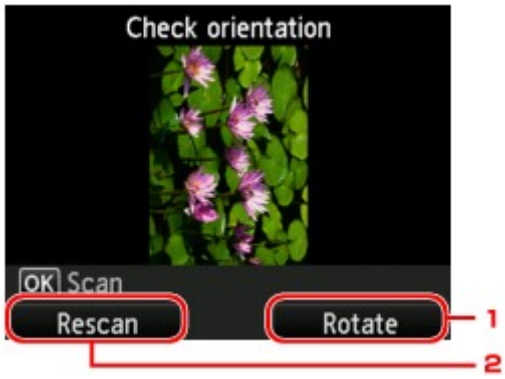
  If you use this function in combination, select **2-sided** for **2-sidedPrintSetting**, then select the orientation and the stapling side of print paper on the Print settings screen.

For details on two-sided copy function:

Two-Sided Copying

When checking the orientation:

When you are using the preview screen, the screen below is displayed before copying starts so that you can check the orientation.



1. **Rotate**

   If you press the right **Function** button, the original rotates by 180 degrees.

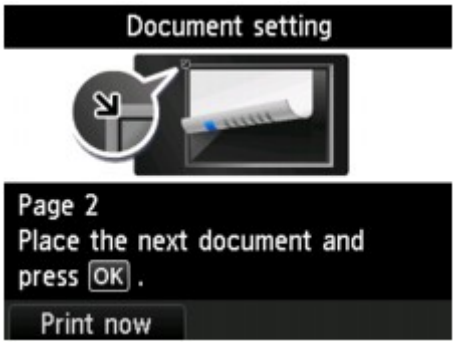
2. **Rescan**

   If you press the left **Function** button, the original is rescanned.

Press the **OK** button to start scanning.

When scanning is finished:

The **Document setting** screen appears on the LCD after scanning the first sheet of original.



Remove the first sheet of original from the platen glass and load the second sheet on the platen glass, then press the **OK** button.

The machine starts scanning the second sheet of original and copying.

Note

- If you do not need more scanning, press the left **Function** button. The machine starts copying.
- You can add the copying job while printing.

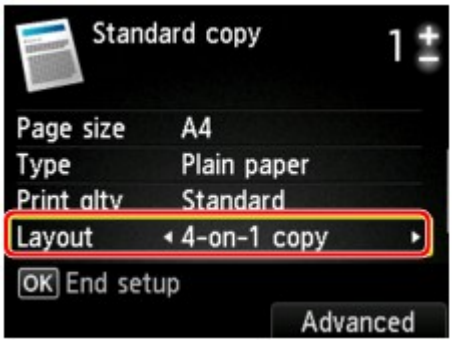
  Adding the Copying Job (Reserve copy)

- If you use this function in combination with Two-sided copy, the **Document setting** screen is displayed after scanning the second sheet of original is complete. Follow the on-screen instructions to scan the third and fourth sheet of original.

Copying Four Pages to Fit onto a Single Page

When you select **4-on-1 copy** for **Layout** in **Standard copy**, you can copy four original pages onto a single sheet of paper by reducing each image. Four different layouts are available.

Press the right **Function** button on the Copy standby screen to display the print settings screen, then select **4-on-1 copy** for **Layout**.

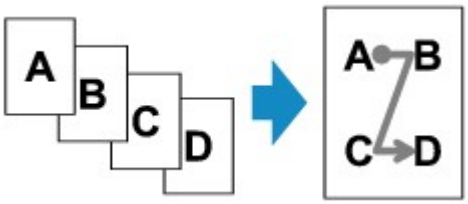


Press the right **Function** button to specify the orientation and the advanced layout.

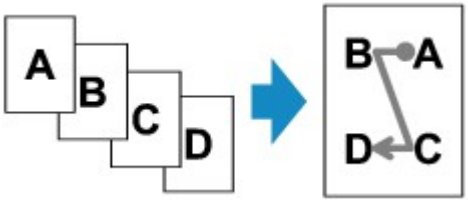
Note

- The layout is the same regardless of the orientation.

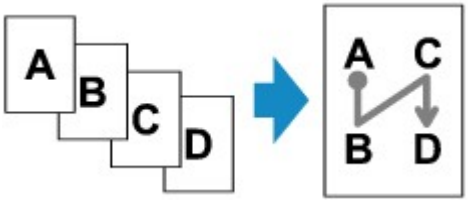
- When you select **Upper-left to right** for **4-on-1 copy layout**:



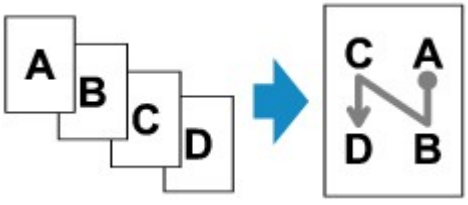
- When you select **Upper-right to left** for **4-on-1 copy layout**:



- When you select **Upper-left to bottom** for **4-on-1 copy layout**:



- When you select **Upper-right to bottom** for **4-on-1 copy layout**:



After selecting the layout and press the **OK** button, you can select whether you use the preview screen. If you select **ON**, the preview screen is displayed so that you can check the orientation.

Note

- If **Device memory is full. Cannot continue process.** appears on the LCD when scanning, set the print quality to **Standard**, then try copying again. If the problem is not resolved, set the print quality to **Draft** and try copying again.
- This function can be used in combination with Two-sided copy.

  If you use this function in combination, you can copy eight original pages on one sheet of paper. In this case, four original pages are copied on each side of paper.

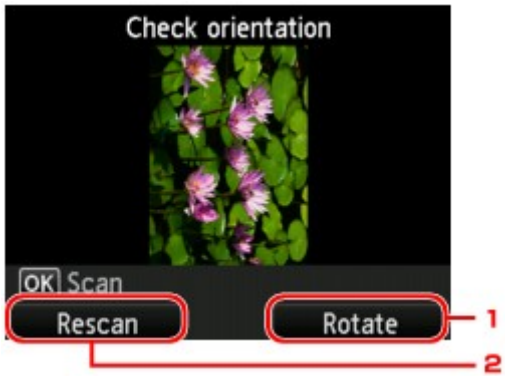
  If you use this function in combination, select **2-sided** for **2-sidedPrintSetting**, then select the orientation and the stapling side of print paper on the Print settings screen.

  For details on two-sided copy function:

  Two-Sided Copying

When checking the orientation:

When you are using the preview screen, the screen below is displayed before copying starts so that you can check the orientation.



1. **Rotate**

   If you press the right **Function** button, the original rotates by 180 degrees.

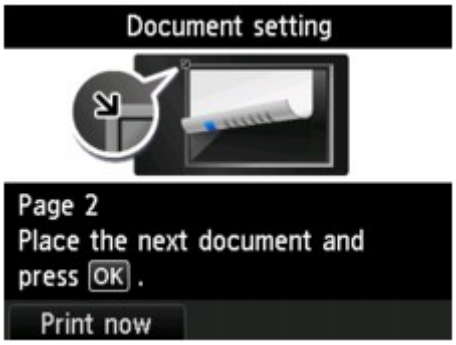
2. **Rescan**

   If you press the left **Function** button, the original is rescanned.

Press the **OK** button to start scanning.

When scanning is finished:

The **Document setting** screen appears on the LCD after scanning each sheet of original.



Remove the sheet of original from the platen glass after scanning and load the next sheet on the platen glass, then press the **OK** button.

After scanning the fourth sheet of original, the machine starts copying.

Note

- If you do not need more scanning, press the left **Function** button. The machine starts copying.
- You can add the copying job while printing.

  Adding the Copying Job (Reserve copy)
- If you use this function in combination with Two-sided copy, the **Document setting** screen is displayed after scanning the fourth sheet of original is complete. Follow the on-screen instructions to scan the rest of originals.

Scanning

Scanning from a Computer

Scanning from the Operation Panel of the Machine

Scanning from a Computer

- Scanning with IJ Scan Utility
- Scanning with Scanner Driver
- Useful Information on Scanning
- Placing Items (When Scanning from a Computer)

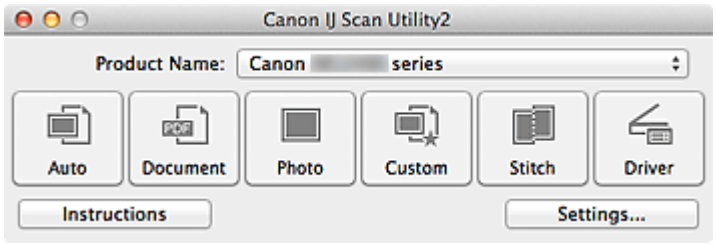
Scanning with IJ Scan Utility

- What Is IJ Scan Utility (Scanner Software)?
- Starting IJ Scan Utility
- Easy Scanning with Auto Scan Basic
- Scanning Documents
- Scanning Photos
- Scanning with Favorite Settings
- Scanning Items Larger than the Platen (Image Stitch)
- Scanning Multiple Items at One Time
- Saving after Checking Scan Results
- Sending Scanned Images via E-mail
- Extracting Text from Scanned Images (OCR)
- IJ Scan Utility Screens

What Is IJ Scan Utility (Scanner Software)?

IJ Scan Utility is an application that allows you to easily scan documents, photos, etc.

You can complete from scanning to saving at one time by simply clicking the corresponding icon in the IJ Scan Utility main screen.



What You Can Do with IJ Scan Utility

Scan Easily according to Purposes

You can scan by simply clicking an icon such as **Auto** to scan easily, **Document** to sharpen text in a document or magazine for better readability, or **Photo** to scan with settings suitable for photos, according to the item type or your purpose.

Note

- Refer to "IJ Scan Utility Main Screen" for details on the IJ Scan Utility main screen.

Save Scanned Images Automatically

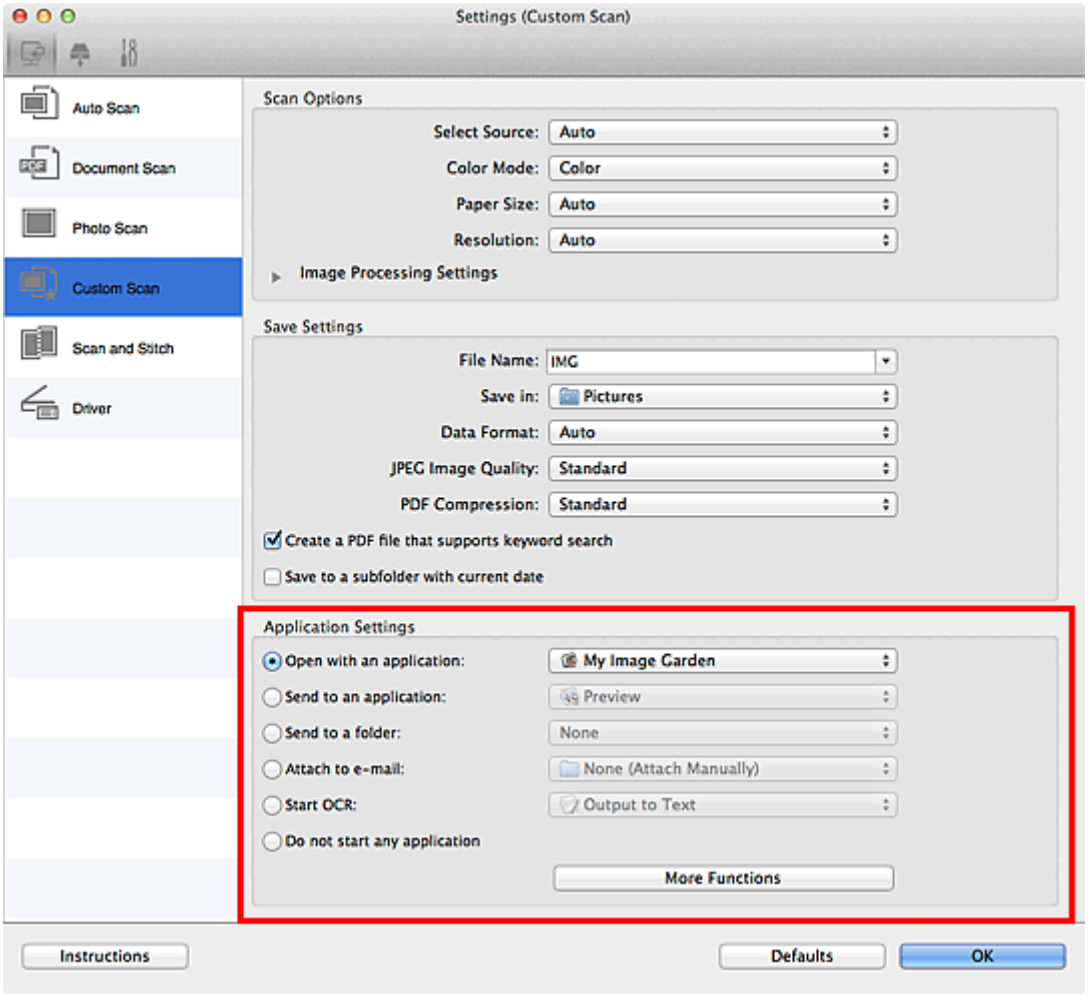
Scanned images are automatically saved in a preset folder. You can change the folder as required.

Note

- The default save folder is the **Pictures** folder.
- Refer to "Settings Dialog" for how to specify a folder.

Integrate with Applications

You can utilize scanned images through integration with other applications; display scanned images in your favorite application, attach them to e-mails, extract text from images, and more.



Important

- Some functions are available only when My Image Garden is installed.

Note

- Refer to "Settings Dialog" for how to set the applications to integrate with.

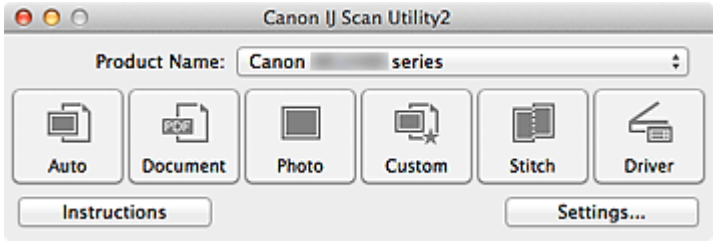
Starting IJ Scan Utility

Note

- If you have more than one scanner or have changed the connection from USB connection to network connection, set up the network environment from IJ Scan Utility.

  Network Scan Settings

From the **Go** menu of Finder, select **Applications**, then double-click the **Canon Utilities** folder, **IJ Scan Utility** folder, and then **Canon IJ Scan Utility2** icon to start IJ Scan Utility.



Easy Scanning with Auto Scan

You can scan easily by automatically detecting the item type.

Important

- The following types of items may not be scanned correctly. In that case, adjust the cropping frames (selection boxes; scan areas) in the screen displayed by clicking **Driver** in the IJ Scan Utility main screen and scan again.
  - Photos that have a whitish background
  - Items printed on white paper, hand-written documents, business cards, etc.
  - Thin items
  - Thick items

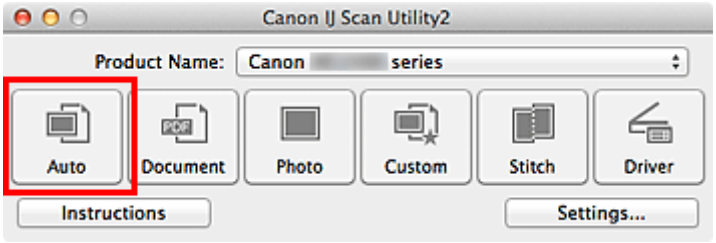
1. Make sure that your scanner or printer is turned on.

2. Place items on the platen of your scanner or printer.

   Placing Items (When Scanning from a Computer)

3. Start IJ Scan Utility.

4. Click **Auto**.



   Scanning starts.

Note

- Click **Cancel** to cancel the scan.
- To apply suitable corrections based on the item type, click **Settings...**, then select the **Apply recommended image correction** checkbox in the **Settings (Auto Scan)** dialog.
- Scanned images are saved in the folder set for **Save in** in the **Settings (Auto Scan)** dialog displayed by clicking **Settings...**. In the **Settings (Auto Scan)** dialog, you can also make advanced scan settings.
- Refer to the following pages to scan by specifying the item type.
  - Scanning Photos
  - Scanning Documents
  - Scanning with Favorite Settings

Scanning Documents

You can scan items placed on the platen with settings suitable for documents.

1. Place the item on the platen.

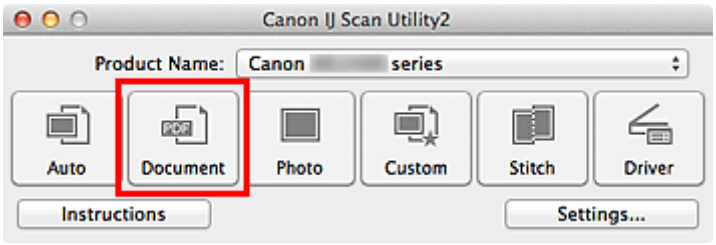
   Placing Items (When Scanning from a Computer)

2. Start IJ Scan Utility.

3. Click **Settings...**, then set the paper size, resolution, etc. in the **Settings (Document Scan)** dialog as required.

   When setting is completed, click **OK**.

4. Click **Document**.



   Scanning starts.

Note

- Click **Cancel** to cancel the scan.
- Scanned images are saved in the folder set for **Save in** in the **Settings (Document Scan)** dialog displayed by clicking **Settings...**. In the **Settings (Document Scan)** dialog, you can also make advanced scan settings.

Scanning Photos

You can scan photos placed on the platen with settings suitable for photos.

1. Place the photo on the platen.

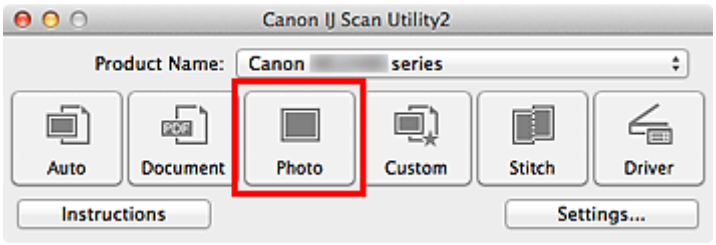
   Placing Items (When Scanning from a Computer)

2. Start IJ Scan Utility.

3. Click **Settings...**, then set the paper size, resolution, etc. in the **Settings (Photo Scan)** dialog as required.

   When setting is completed, click **OK**.

4. Click **Photo**.



   Scanning starts.

Note

- Click **Cancel** to cancel the scan.
- Scanned images are saved in the folder set for **Save in** in the **Settings (Photo Scan)** dialog displayed by clicking **Settings...**. In the **Settings (Photo Scan)** dialog, you can also make advanced scan settings.

Scanning with Favorite Settings

You can scan items placed on the platen with your favorite settings saved beforehand.

This is convenient for saving frequently used settings or when specifying scan settings in detail.

1. Start IJ Scan Utility.

2. Click **Settings...**, then set the item type, resolution, etc. in the **Settings (Custom Scan)** dialog as required.

   When setting is completed, click **OK**.

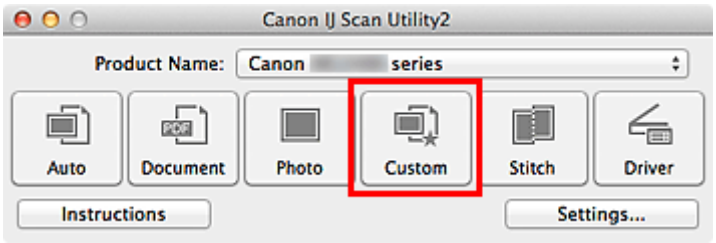
   Note

   - Once the settings are made, you can scan with the same settings from the next time.

3. Place the item on the platen.

   Placing Items (When Scanning from a Computer)

4. Click **Custom**.



   Scanning starts.

Note

- Click **Cancel** to cancel the scan.
- Scanned images are saved in the folder set for **Save in** in the **Settings (Custom Scan)** dialog displayed by clicking **Settings...**. In the **Settings (Custom Scan)** dialog, you can also make advanced scan settings.

Scanning Items Larger than the Platen (Image Stitch)

You can scan the left and right halves of an item larger than the platen and combine them back into one image. Items up to approximately twice as large as the platen are supported.

Note

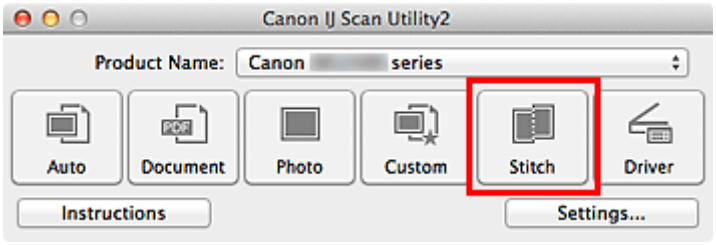
- The following explains how to scan from the item to be placed on the left side.

1. Start IJ Scan Utility.

2. Click **Settings...**, then set the item type, resolution, etc. in the **Settings (Scan and Stitch) dialog** as required.

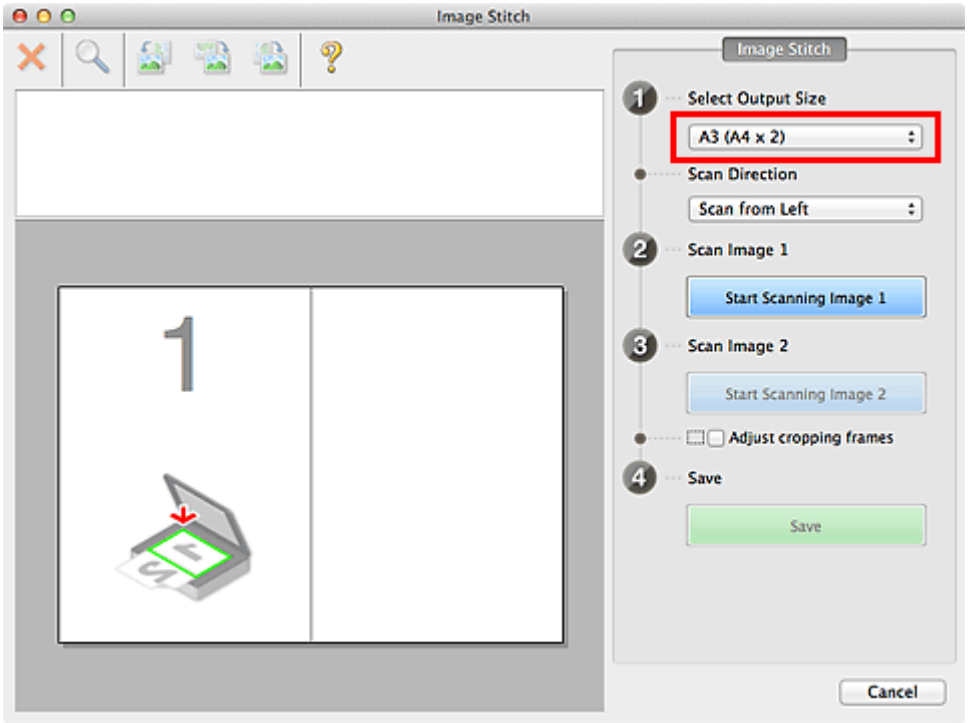
   When setting is completed, click **OK**.

3. Click **Stitch**.

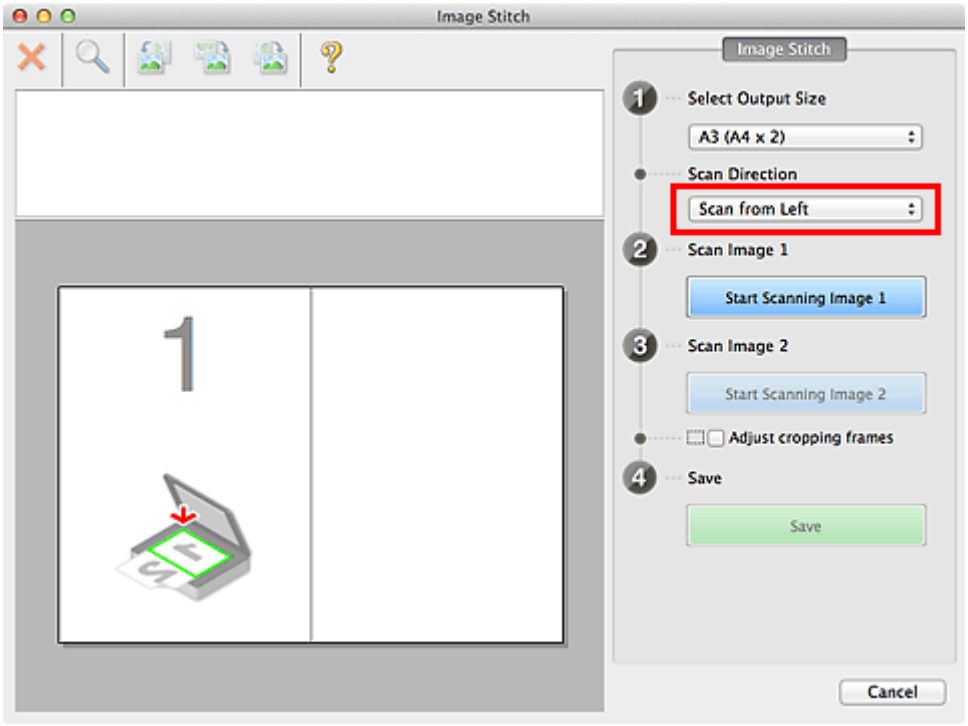


   The **Image Stitch** window appears.

4. In **Select Output Size**, select an output size according to the paper size.

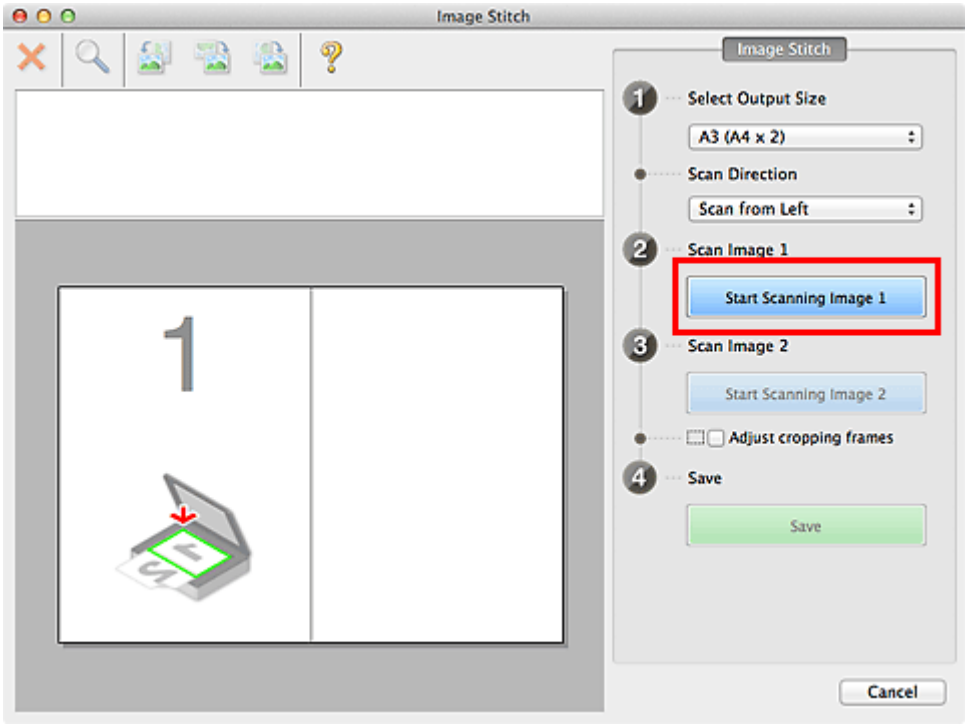


5. Make sure that **Scan from Left** is selected in **Scan Direction**.



6. Place the item that is to be displayed on the left side of the screen face-down on the platen.

7. Click **Start Scanning Image 1**.



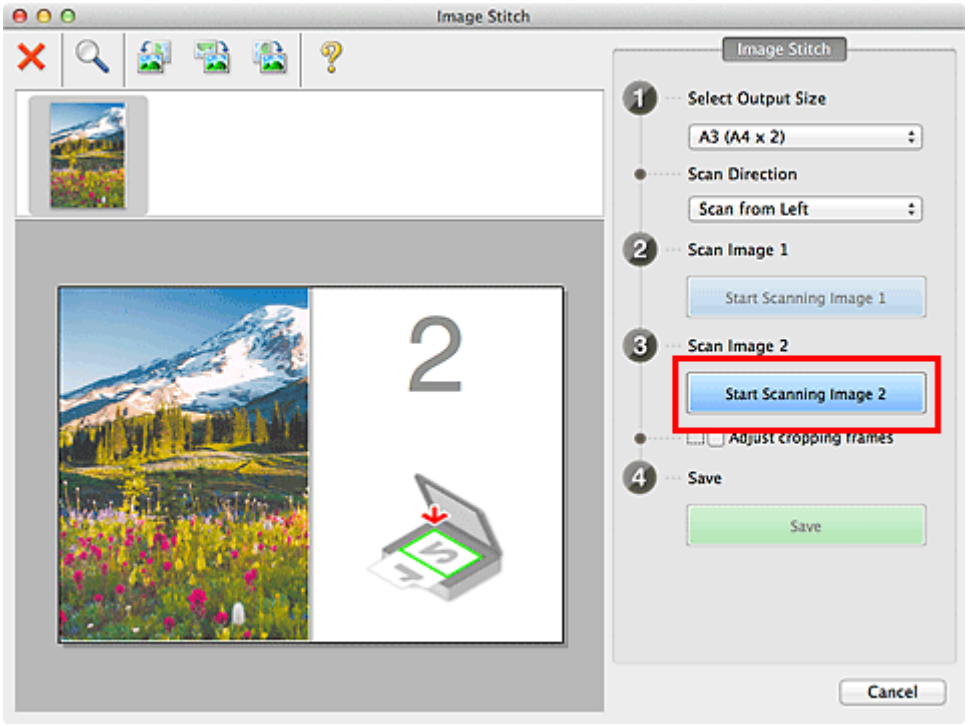
The first item is scanned and appears in **1**.

Note

- Click **Cancel** to cancel the scan.

8. Place the item that is to be displayed on the right side of the screen face-down on the platen.

9. Click **Start Scanning Image 2**.



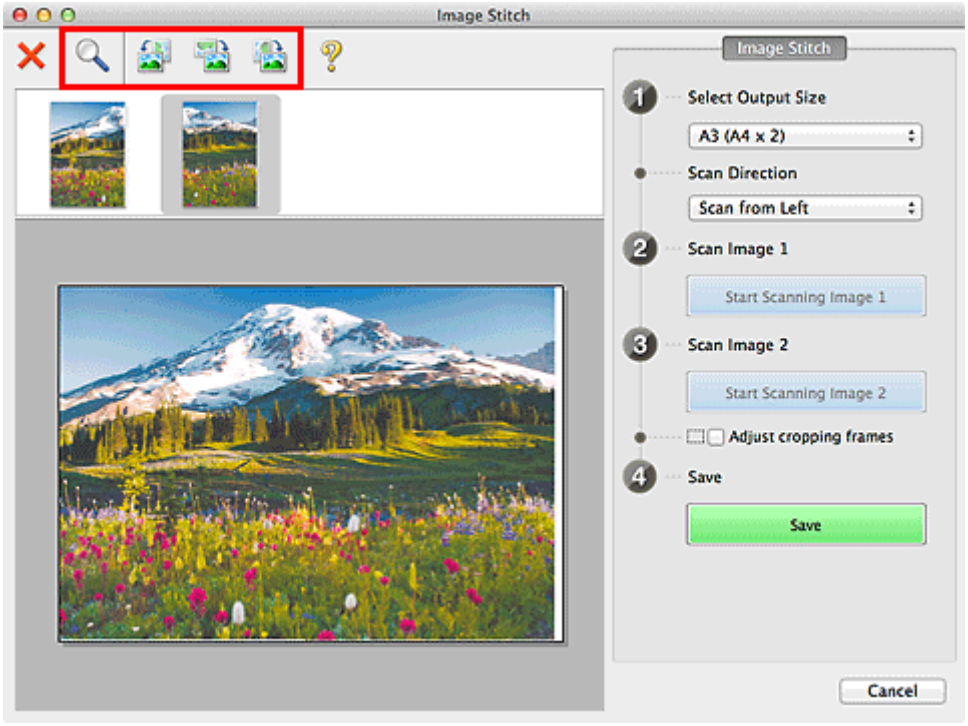
The second item is scanned and appears in **2**.

Note

- Click **Cancel** to cancel the scan.

10. Adjust the scanned images as required.

Use the Toolbar to rotate or zoom in/out, or drag the images to adjust their positions.



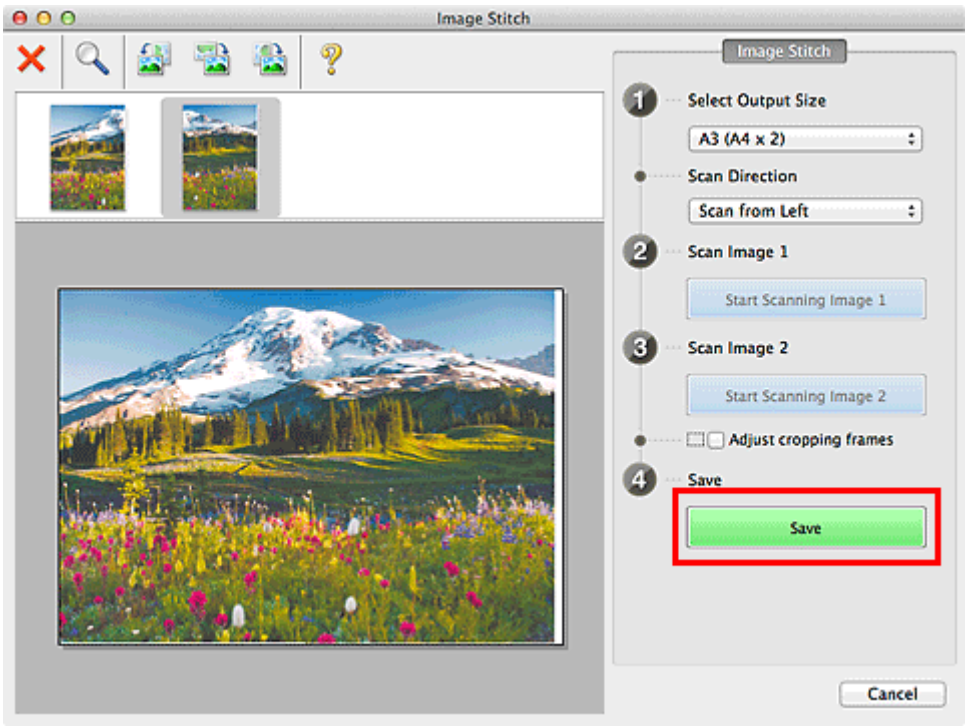
Note

- Select the **Adjust cropping frames** checkbox to specify the area to be saved.

Adjusting Cropping Frames in the **Image Stitch** Window

- To scan an item again, select the image in the Preview area or the thumbnail at the top of the screen, then click (Delete). The selected image is deleted, allowing you to scan the item again.

11. Click **Save**.



The combined image is saved.

Note

- Refer to "**Image Stitch** Window" for details on the **Image Stitch** window.
- You can make advanced scan settings in the **Settings (Scan and Stitch)** dialog displayed by clicking **Settings...**.

Scanning Multiple Items at One Time

You can scan two or more photos (small items) placed on the platen at one time and save each image individually.

Important

- The following types of items may not be scanned correctly. In that case, adjust the cropping frames (selection boxes; scan areas) in the screen displayed by clicking **Driver** in the IJ Scan Utility main screen and scan again.
  - Photos that have a whitish background
  - Items printed on white paper, hand-written documents, business cards, etc.
  - Thin items
  - Thick items

Using Auto Scan:

Whether there are multiple items or not is detected automatically. Click **Auto** and scan.

Easy Scanning with Auto Scan

Not Using Auto Scan:

In the Settings dialog, set **Paper Size** to **Auto scan** and scan.

Note

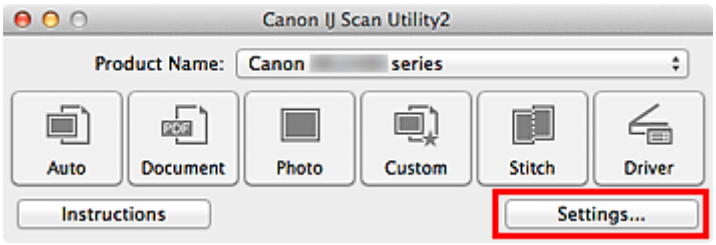
- The screens for scanning with favorite settings are used as examples in the following descriptions.

1. Place the items on the platen.

   Placing Items (When Scanning from a Computer)

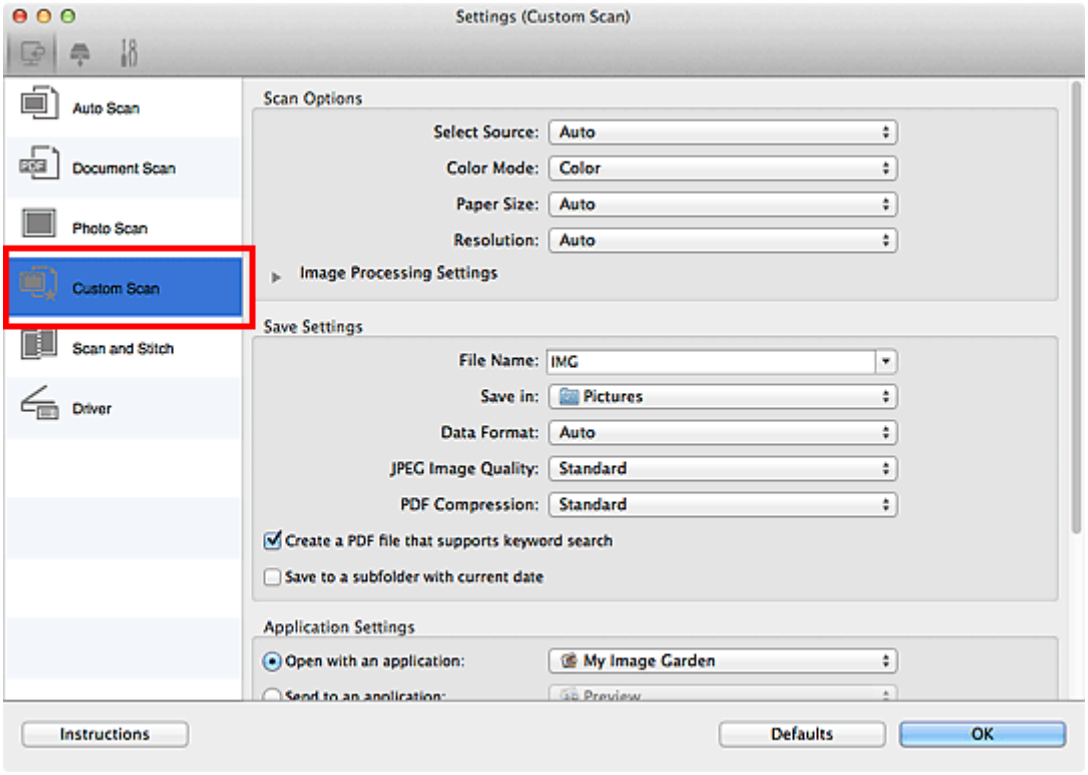
2. Start IJ Scan Utility.

3. Click **Settings...**.

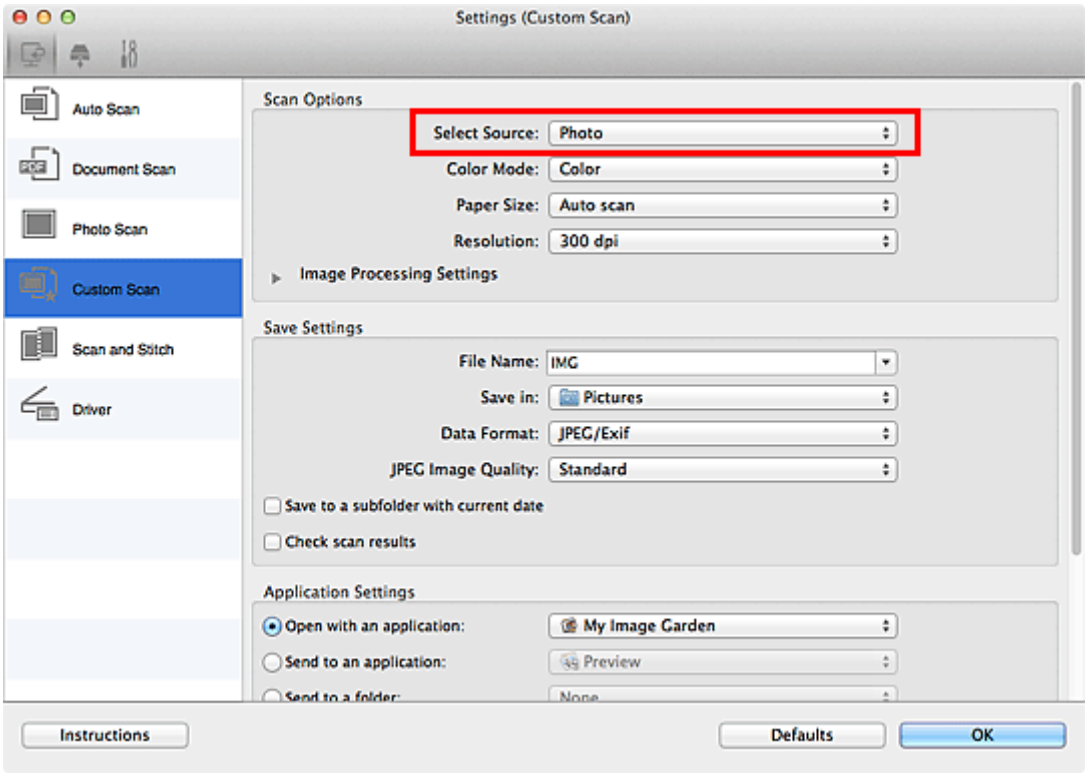


   The Settings dialog appears.

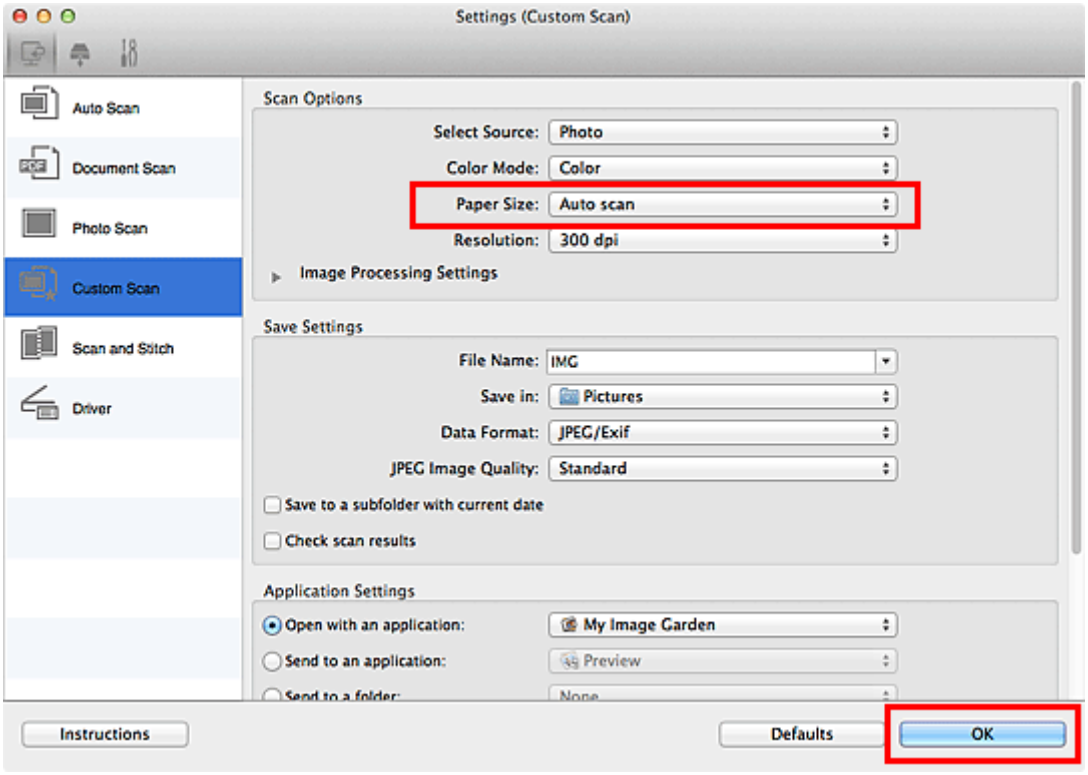
4. Click **Custom Scan**.



5. Select **Select Source** according to the items to be scanned.



6. Select **Auto scan** for **Paper Size**, then click **OK**.

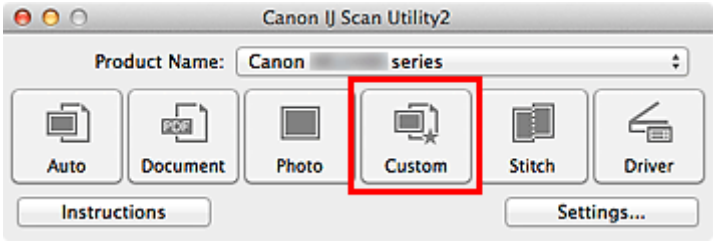


The IJ Scan Utility main screen appears.

Note

- Refer to the following pages for details on the setting items in the Settings dialog.
  - **Settings (Document Scan)** Dialog
  - **Settings (Photo Scan)** Dialog
  - **Settings (Custom Scan)** Dialog

7. Click **Custom**.



Multiple items are scanned at one time.

Note

- Click **Cancel** to cancel the scan.
- Scanned images are saved in the folder set for **Save in** in the corresponding Settings dialog displayed by clicking **Settings...**. In each Settings dialog, you can also make advanced scan settings.

Saving after Checking Scan Results

You can check the scan results, then save the images to a computer.

Important

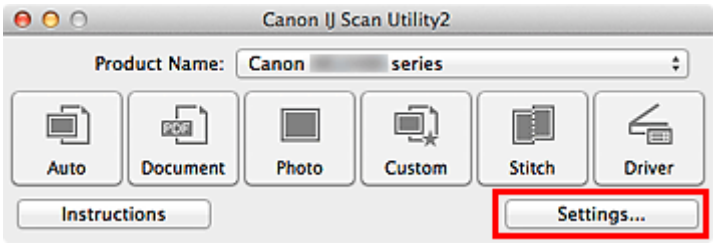
- You cannot check the scan results before saving when scanned using **Auto** scan or the operation panel.

Note

- The screens for scanning photos are used as examples in the following descriptions.

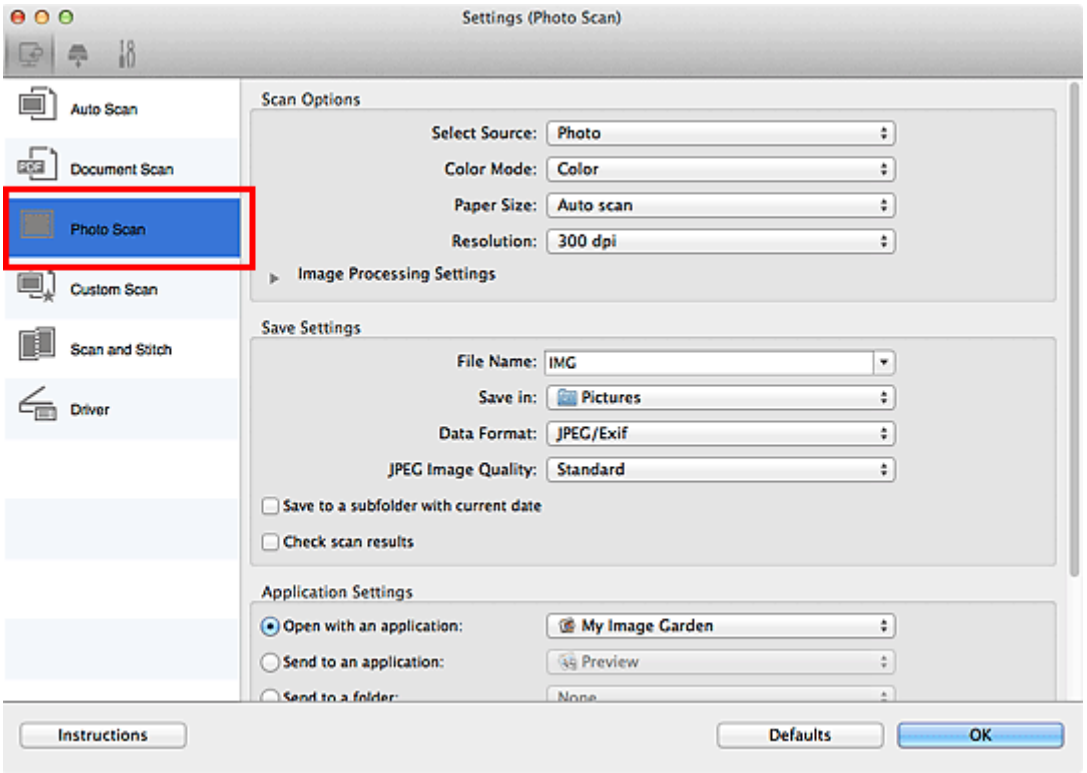
1. Start IJ Scan Utility.

2. Click **Settings...**.

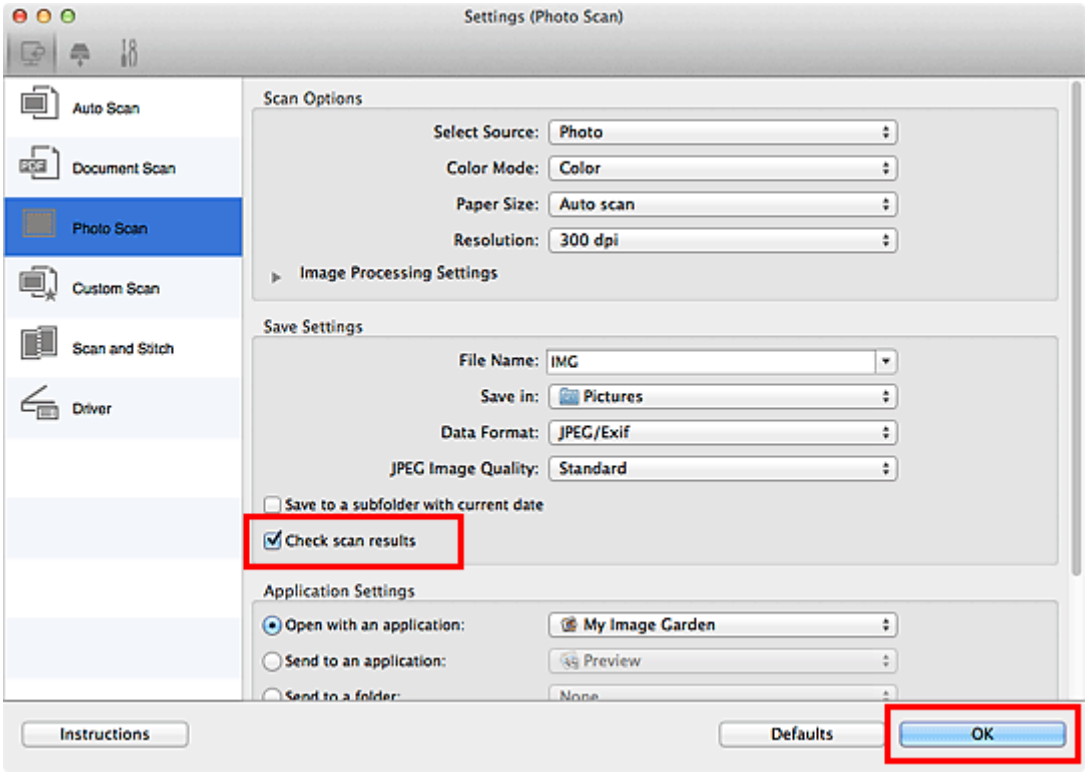


The Settings dialog appears.

3. Click **Photo Scan**.



4. Select the **Check scan results** checkbox, then click **OK**.

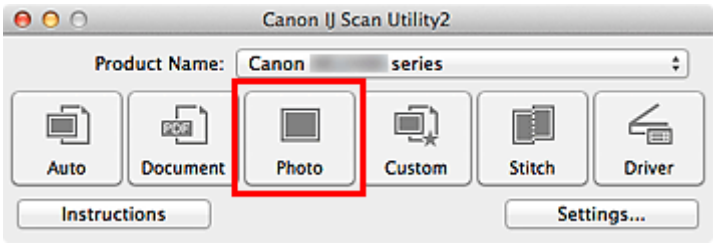


The IJ Scan Utility main screen appears.

Note

- Refer to the following pages for details on the setting items in the Settings dialog.
  - **Settings (Document Scan)** Dialog
  - **Settings (Photo Scan)** Dialog
  - **Settings (Custom Scan)** Dialog
  - **Settings (Scan and Stitch)** Dialog
  - **Settings (Driver)** Dialog

5. Click **Photo**.



Scanning starts.

When scanning is completed, the **Save Settings** dialog appears.

Note

- Click **Cancel** to cancel the scan.

6. Change the image order or file save options as required.

You can change the image order or file save options in the **Save Settings** dialog.

Note

- The default save folder is the **Pictures** folder.

7. Click **OK**.

   Scanned images are saved according to the settings.

Sending Scanned Images via E-mail

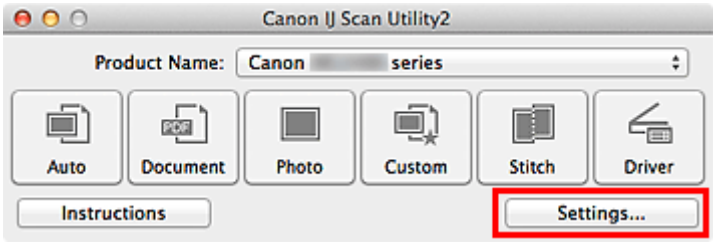
You can send scanned images via e-mail.

Note

- The screens for scanning photos are used as examples in the following descriptions.

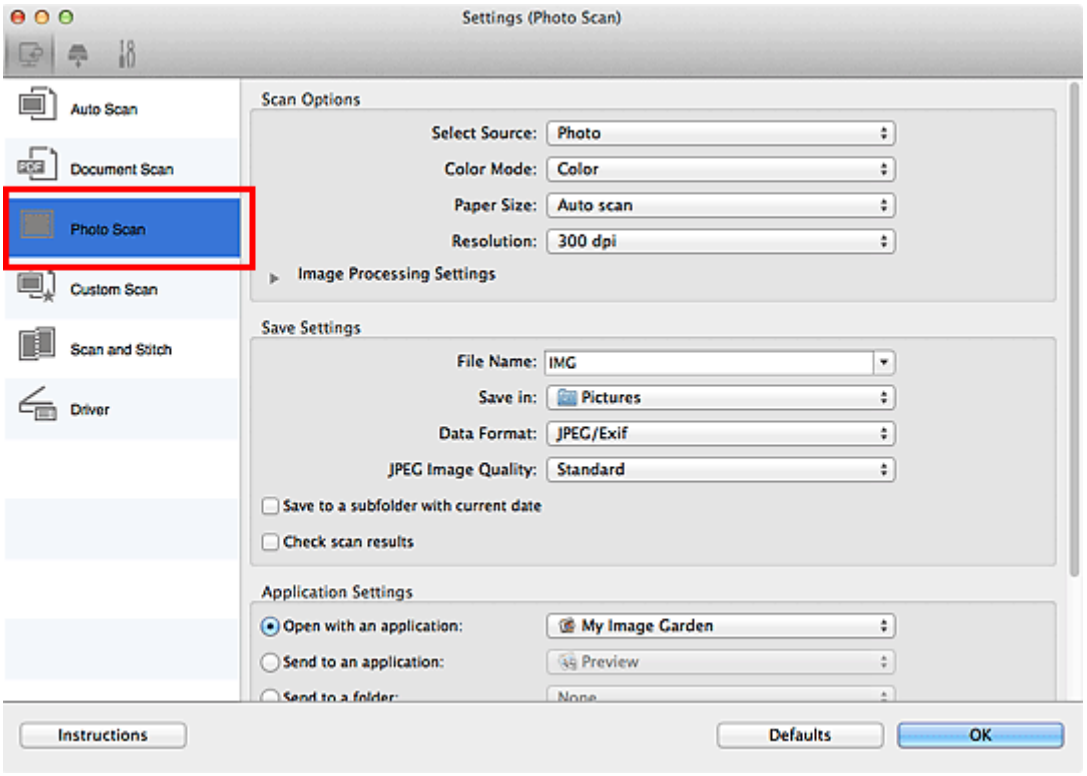
1. Start IJ Scan Utility.

2. Click **Settings...**.

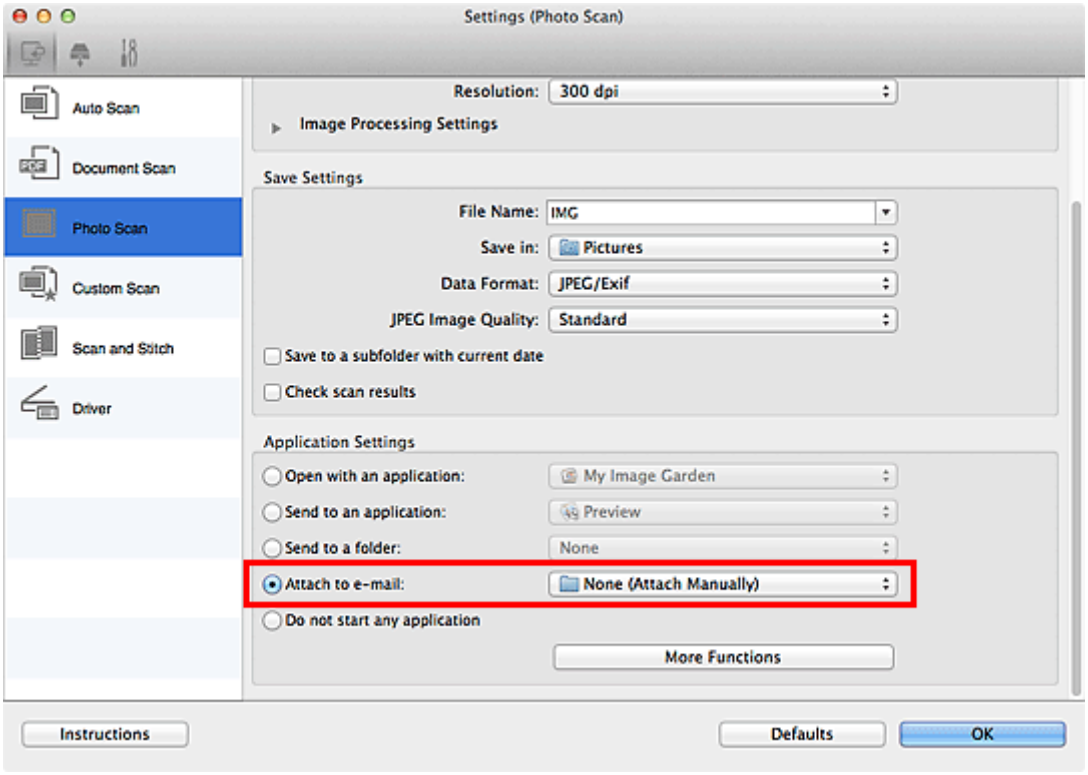


The Settings dialog appears.

3. Click **Photo Scan**.



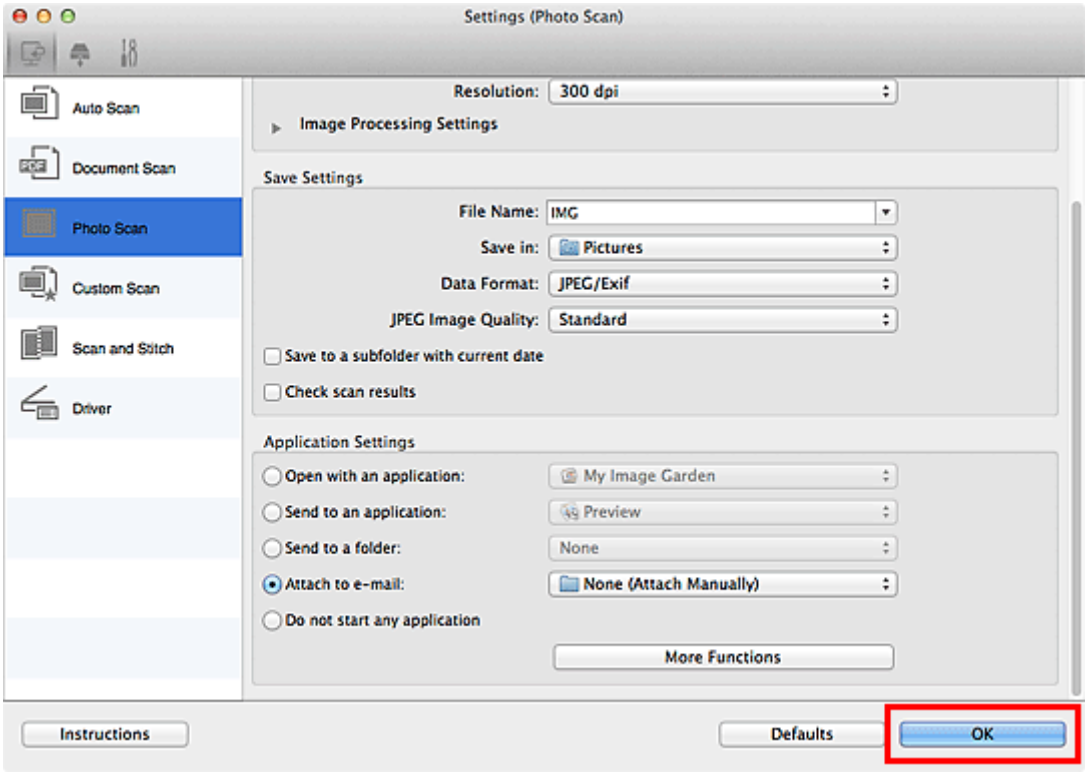
4. Select **Attach to e-mail** in **Application Settings**, then select an e-mail client.



Note

- You can add e-mail clients to use for attachments from the pop-up menu.
- If **None (Attach Manually)** is selected, manually attach scanned and saved images to e-mail.

5. Click **OK**.



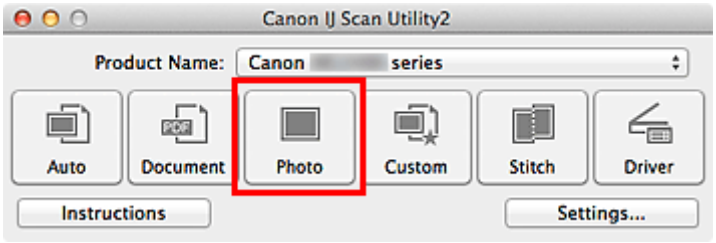
The IJ Scan Utility main screen appears.

Note

- Refer to the following pages for details on the setting items in the Settings dialog.

- **Settings (Auto Scan)** Dialog
- **Settings (Document Scan)** Dialog
- **Settings (Photo Scan)** Dialog
- **Settings (Custom Scan)** Dialog
- **Settings (Driver)** Dialog

6. Click **Photo**.



Scanning starts.

When scanning is completed, the specified e-mail client starts and the images will be attached to a new message.

Note

- Click **Cancel** to cancel the scan.
- The scanned images are saved according to the settings made in the Settings dialog.
- When the **Check scan results** checkbox is selected in the Settings dialog, the **Save Settings** dialog appears. After you set the save options and click **OK**, the scanned images are saved and automatically attached to a new message of the specified e-mail client.

7. Specify the recipient, enter the subject and message, then send e-mail.

Refer to the manual of your e-mail client for e-mail settings.

Extracting Text from Scanned Images (OCR)

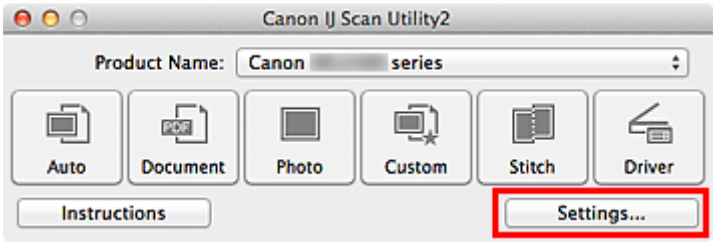
Scan text in scanned magazines and newspapers and display it in your text editor.

Note

- You can extract text when scanning via **Document**, **Custom**, or **Driver**.
- The screens for scanning documents are used as examples in the following descriptions.

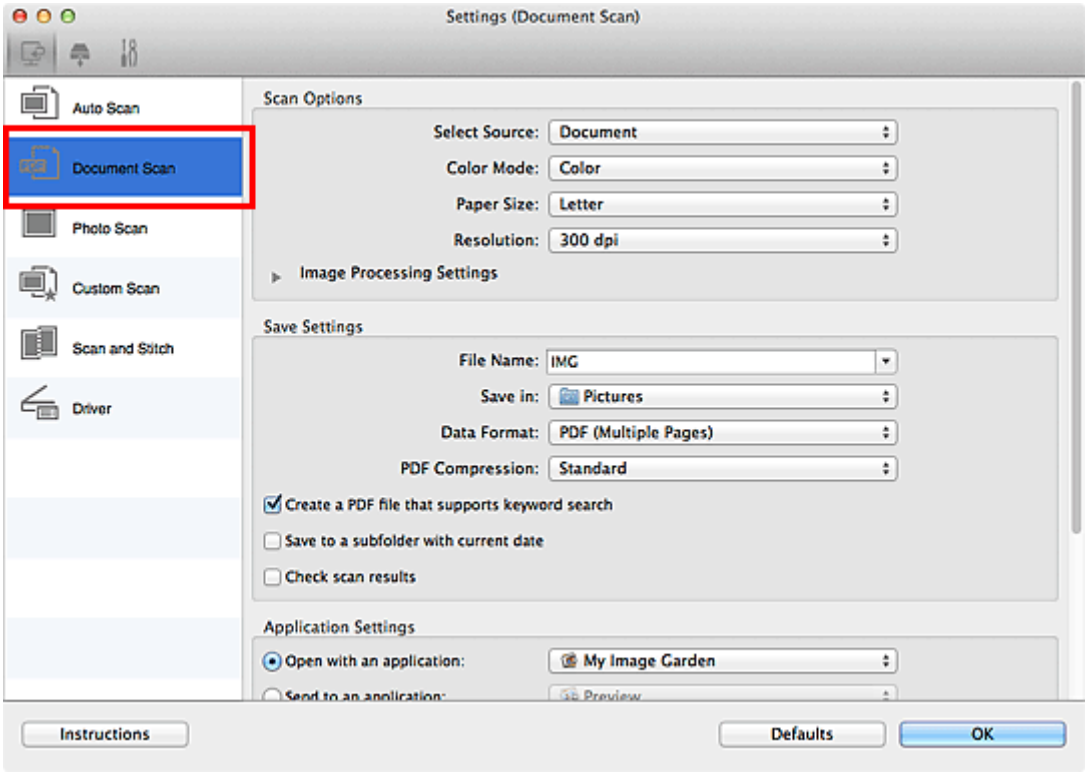
1. Start IJ Scan Utility.

2. Click **Settings...**.



   The Settings dialog appears.

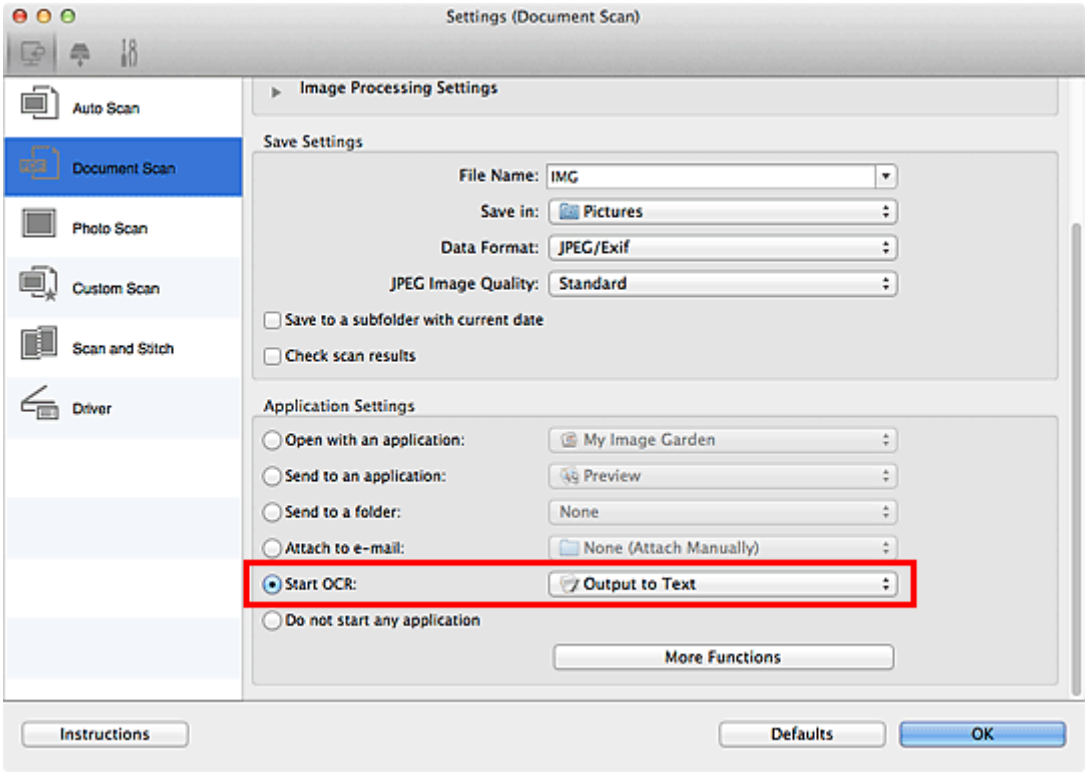
3. Click **Document Scan**.



Note

- For **Resolution**, only **300 dpi** or **400 dpi** can be set when **Start OCR** is selected in **Application Settings**.

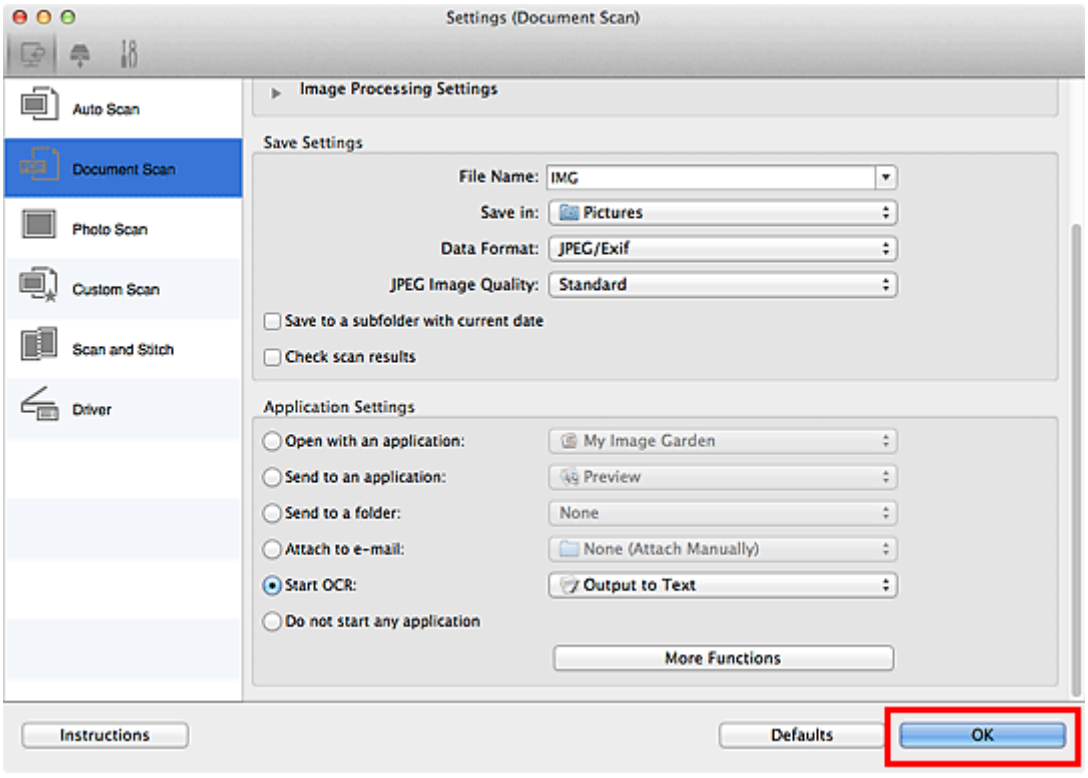
4. Select **Start OCR** for **Application Settings**, then select the application in which you want to display the result.



Note

- If a compatible application is not installed, the text in the image is extracted and appears in your text editor.
  Text to be displayed is based on **Document Language** in the **Settings (General Settings)** dialog. Select the language you want to extract in **Document Language** and scan.
- You can add the application from the pop-up menu.

5. Click **OK**.

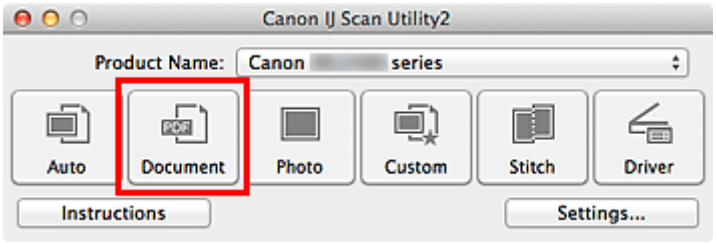


The IJ Scan Utility main screen appears.

Note

- Refer to the following pages for details on the setting items in the Settings dialog.
  - **Settings (Document Scan)** Dialog
  - **Settings (Custom Scan)** Dialog
  - **Settings (Driver)** Dialog

6. Click **Document**.



Scanning starts.

When scanning is completed, the scanned images are saved according to the settings, and the extracted text appears in the specified application.

Note

- Click **Cancel** to cancel the scan.
- Text displayed in your text editor is for guidance only. Text in the image of the following types of documents may not be detected correctly.
  - Documents containing text with font size outside the range of 8 points to 40 points (at 300 dpi)
  - Slanted documents
  - Documents placed upside down or documents with text in the wrong orientation (rotated characters)
  - Documents containing special fonts, effects, italics, or hand-written text
  - Documents with narrow line spacing
  - Documents with colors in the background of text
  - Documents containing multiple languages

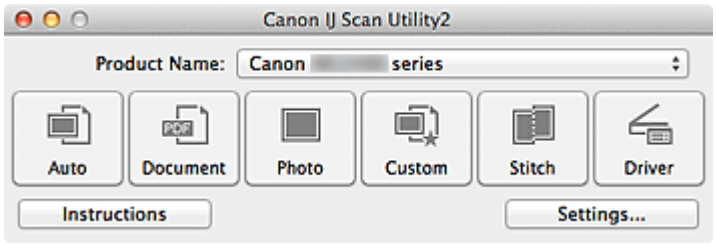
IJ Scan Utility Screens

- **IJ Scan Utility Main Screen**
- **Settings Dialog**
  - **Settings (Auto Scan)** Dialog
  - **Settings (Document Scan)** Dialog
  - **Settings (Photo Scan)** Dialog
  - **Settings (Custom Scan)** Dialog
  - **Settings (Scan and Stitch)** Dialog
  - **Settings (Driver)** Dialog
  - **Settings (Save to PC (Auto))** Dialog
  - **Settings (Save to PC (Photo))** Dialog
  - **Settings (Save to PC (Document))** Dialog
  - **Settings (Attach to E-mail (Photo))** Dialog
  - **Settings (Attach to E-mail (Document))** Dialog
  - **Settings (General Settings)** Dialog
- **Network Selection Screen**
- **Save Settings Dialog**
- **Image Stitch Window**

IJ Scan Utility Main Screen

From the **Go** menu of Finder, select **Applications**, then double-click the **Canon Utilities** folder, **IJ Scan Utility** folder, and then **Canon IJ Scan Utility2** icon to start IJ Scan Utility.

You can complete from scanning to saving at one time by simply clicking the corresponding icon.



Product Name

Displays the name of the product that IJ Scan Utility is currently set to use.

If the displayed product is not the one you want to use, select the desired product from the list.

In addition, for network connection, select one with "Network" after the product name.

Note

- Refer to "Network Scan Settings" for how to set up a network environment.

Auto

Detects the item type automatically and saves them to a computer. The data format for saving will also be set automatically.

Save settings and the response after scanning can be specified in the **Settings (Auto Scan)** dialog.

Document

Scans items as documents and saves them to a computer.

Scan/save settings and the response after scanning can be specified in the **Settings (Document Scan)** dialog.

Photo

Scans items as photos and saves them to a computer.

Scan/save settings and the response after scanning can be specified in the **Settings (Photo Scan)** dialog.

Custom

Scans items with your favorite settings and saves the images to a computer. The item type can be automatically detected.

Scan/save settings and the response after scanning can be specified in the **Settings (Custom Scan)** dialog.

Stitch

Displays the **Image Stitch** window in which you can scan the left and right halves of an item larger than the platen and combine the scanned images back into one image.

Scan/save settings and the response after scanning can be specified in the **Settings (Scan and Stitch)** dialog.

Driver

Allows you to make image corrections and color adjustments when scanning.

Scan/save settings and the response after scanning can be specified in the **Settings (Driver)** dialog.

Instructions

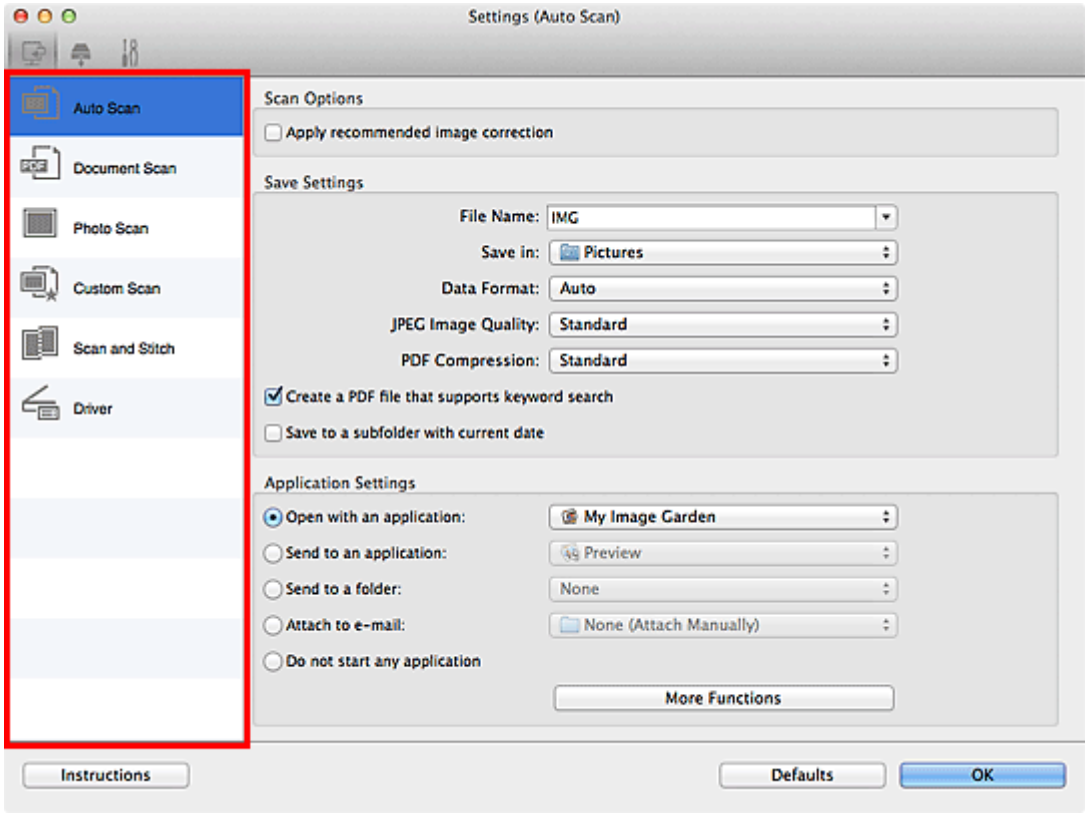
Opens this guide.

Settings...

Displays the Settings dialog in which you can specify the scan/save settings and the response after scanning.

Settings Dialog

There are three tabs in the Settings dialog: (Scanning from a Computer), (Scanning from the Operation Panel), and (General Settings). When you click a tab, the view in the red frame switches and you can make advanced settings to functions on each tab.



(Scanning from a Computer) Tab

You can specify how to respond when scanning from IJ Scan Utility or My Image Garden.

- **Settings (Auto Scan)** Dialog
- **Settings (Document Scan)** Dialog
- **Settings (Photo Scan)** Dialog
- **Settings (Custom Scan)** Dialog
- **Settings (Scan and Stitch)** Dialog
- **Settings (Driver)** Dialog

(Scanning from the Operation Panel) Tab

You can specify how to respond when scanning from the operation panel.

- **Settings (Save to PC (Auto))** Dialog
- **Settings (Save to PC (Photo))** Dialog
- **Settings (Save to PC (Document))** Dialog
- **Settings (Attach to E-mail (Photo))** Dialog
- **Settings (Attach to E-mail (Document))** Dialog

Important

- When the Settings dialog is displayed from My Image Garden, the (Scanning from the Operation Panel) tab does not appear.

(General Settings) Tab

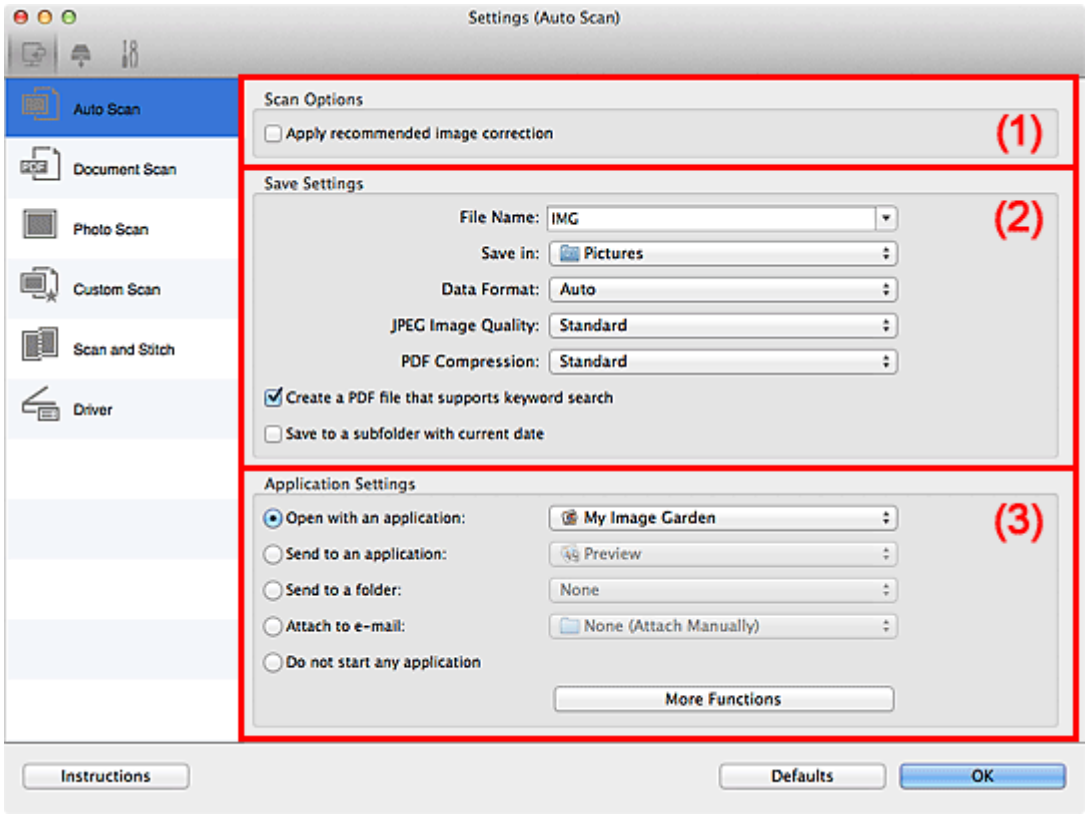
You can set the product to use, file size restriction on e-mail attachment, language to detect text in images, and folder in which to save images temporarily.

- **Settings (General Settings)** Dialog

Settings (Auto Scan) Dialog

Click **Auto Scan** on the (Scanning from a Computer) tab to display the **Settings (Auto Scan)** dialog.

In the **Settings (Auto Scan)** dialog, you can make advanced scan settings to scan by automatically detecting the item type.



- (1) Scan Options Area
- (2) Save Settings Area
- (3) Application Settings Area

Important

- When the Settings dialog is displayed from My Image Garden, the setting items for **Application Settings** do not appear.

Supported Items

Photos, postcards, business cards, magazines, newspapers, documents, and BD/DVD/CD.

Important

- To scan the following types of items, specify the item type and size in the **Settings (Document Scan)** dialog, **Settings (Photo Scan)** dialog, or **Settings (Custom Scan)** dialog, then click **Photo**, **Document**, or **Custom** in the IJ Scan Utility main screen. You cannot scan correctly with **Auto**.
  - A4 size photos
  - Text documents smaller than 2L (5 inches x 7 inches) (127 mm x 178 mm), such as paperback pages with the spine cut off
  - Items printed on thin white paper
  - Long narrow items such as panoramic photos
- Reflective disc labels may not be scanned as expected.
- Place items to be scanned on the platen correctly. Otherwise, items may not be scanned correctly.

Refer to "Placing Items (When Scanning from a Computer)" for how to place items.

Note

- To reduce moire in scans, set **Select Source** to **Magazine** in the **Settings (Document Scan)** dialog or **Settings (Custom Scan)** dialog, then click **Document** or **Custom** in the IJ Scan Utility main screen.

(1) Scan Options Area

Apply recommended image correction

Applies suitable corrections automatically based on the item type.

Important

- The color tone may differ from the source image due to corrections. In that case, deselect the checkbox and scan.

Note

- Scanning takes longer than usual when you enable this function.

(2) Save Settings Area

File Name

Enter the file name of the image to be saved. When you save a file, the date and four digits are appended to the set file name in the "_20XX0101_0001" format.

Note

- When you select the **Save to a subfolder with current date** checkbox, the date and four digits are appended to the set file name.

Save in

Displays the folder in which to save the scanned images. To change the folder, specify the destination folder in the dialog displayed by selecting **Add...** from the pop-up menu.

The default save folder is the **Pictures** folder.

Important

- When the Settings dialog is displayed from My Image Garden, this option does not appear.

Data Format

Auto is selected. The following data formats are automatically applied according to the item type when saving.

- Photos, postcards, BD/DVD/CD, and business cards: JPEG
- Magazines, newspapers, and documents: PDF

Important

- The save format may differ depending on how you place the item.

  Placing Items (When Scanning from a Computer)

JPEG Image Quality

You can specify the image quality of JPEG files.

PDF Compression

Select the compression type for saving PDF files.

Standard

It is recommended that you normally select this setting.

High

Compresses the file size when saving, allowing you to reduce the load on your network/server.

Create a PDF file that supports keyword search

Select this checkbox to convert text in images into text data and create PDF files that support keyword search.

Note

- PDF files that are searchable in the language selected in **Document Language** on the (General Settings) tab of the Settings dialog are created.

Save to a subfolder with current date

Select this checkbox to create a current date folder in the folder specified in **Save in** and save scanned images in it. The folder will be created with a name such as "20XX_01_01" (Year_Month_Date).

If this checkbox is not selected, files are saved directly in the folder specified in **Save in**.

(3) Application Settings Area

Open with an application

Select this when you want to enhance or correct the scanned images.

You can specify the application from the pop-up menu.

Send to an application

Select this when you want to use the scanned images as they are in an application that allows you to browse or organize images.

You can specify the application from the pop-up menu.

Send to a folder

Select this when you also want to save the scanned images to a folder other than the one specified in **Save in**.

You can specify the folder from the pop-up menu.

Attach to e-mail

Select this when you want to send e-mails with the scanned images attached.

You can specify the e-mail client you want to start from the pop-up menu.

Do not start any application

Saves to the folder specified in **Save in**.

Note

- Specify the application or folder in the dialog displayed by selecting **Add...** from the pop-up menu.

Instructions

Opens this guide.

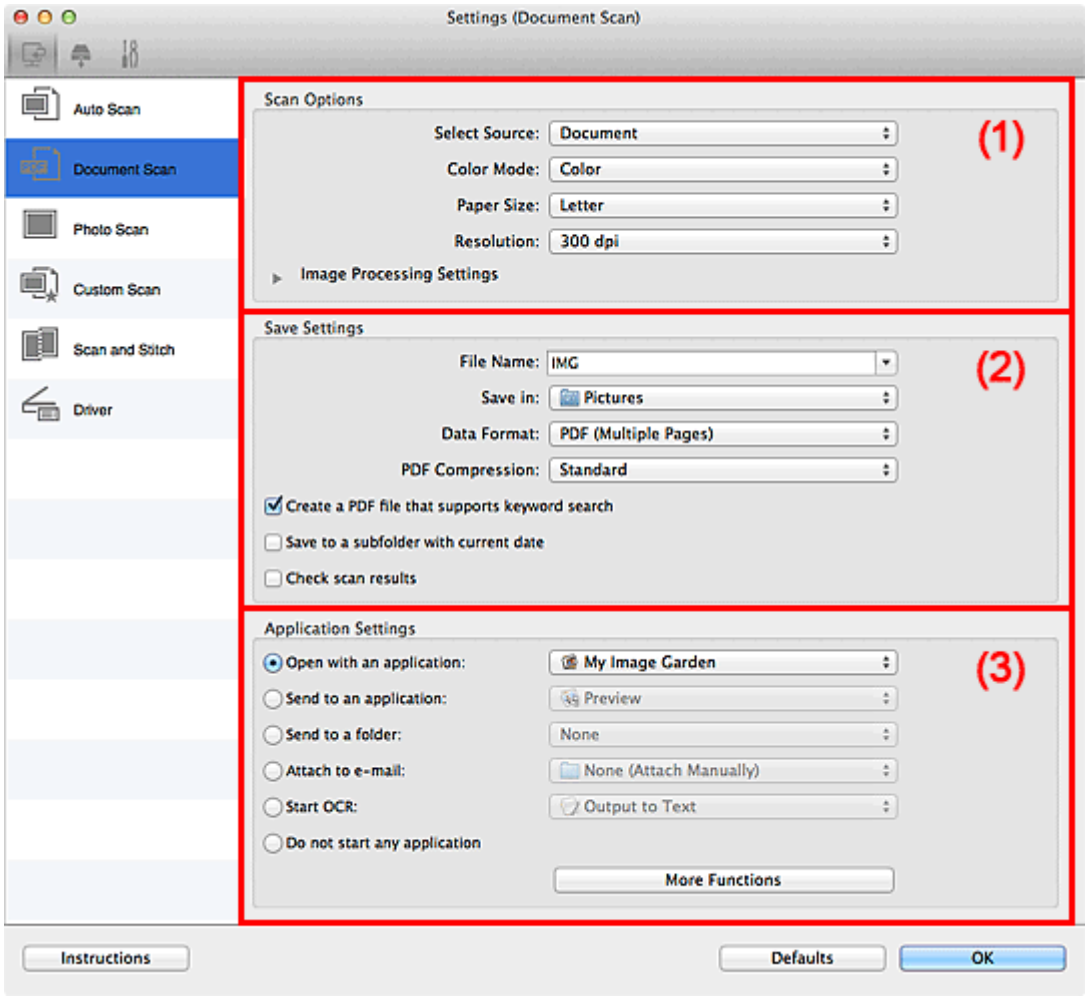
Defaults

You can restore the settings in the displayed screen to the default settings.

Settings (Document Scan) Dialog

Click **Document Scan** on the (Scanning from a Computer) tab to display the **Settings (Document Scan)** dialog.

In the **Settings (Document Scan)** dialog, you can make advanced scan settings to scan items as documents.



- (1) Scan Options Area
- (2) Save Settings Area
- (3) Application Settings Area

Important

- When the Settings dialog is displayed from the Scan screen of My Image Garden, the setting items for **Application Settings** do not appear.

(1) Scan Options Area

Select Source

Select the type of item to be scanned.

- Scanning documents: **Document**
- Scanning magazines: **Magazine**

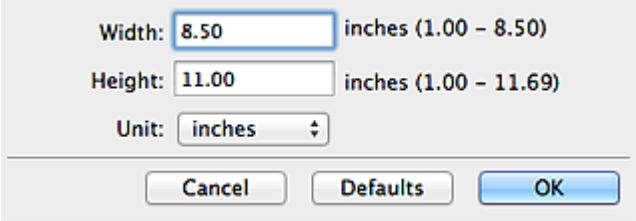
Color Mode

Select the color mode in which to scan the item.

Paper Size

Select the size of the item to be scanned.

When you select **Custom**, a screen in which you can specify the paper size appears. Select a **Unit**, then enter the **Width** and **Height**, and then click **OK**.



Note

- Click **Defaults** to restore the specified settings to the default settings.

Resolution

Select the resolution of the item to be scanned.

The higher the resolution (value), the more detail in your image.

Resolution

Note

- Only **300 dpi** or **400 dpi** can be set when **Start OCR** is selected in **Application Settings**.

Image Processing Settings

Click (Right Arrow) to set the following.

Note

- When **Color Mode** is **Black and White**, only **Reduce gutter shadow**, **Correct slanted text document**, and **Detect the orientation of text document and rotate image** appear.

Apply Auto Document Fix

Select this checkbox to sharpen text in a document or magazine for better readability.

Important

- The color tone may differ from the source image due to corrections. In that case, deselect the checkbox and scan.

Note

- Scanning takes longer than usual when you enable this function.

Sharpen outline

Emphasizes the outline of the subjects to sharpen the image.

Reduce show-through

Sharpens text in an item or reduces show-through in newspapers, etc.

Reduce moire

Reduces moire patterns.

Printed materials are displayed as a collection of fine dots. "Moire" is a phenomenon where uneven gradation or a stripe pattern appears when such photos or pictures printed with fine dots are scanned.

Note

- Scanning takes longer than usual when you enable **Reduce moire**.

Reduce gutter shadow

Reduces gutter shadows that appear between pages when scanning open booklets.

Note

- Click **Driver** in the IJ Scan Utility main screen and scan to correct gutter shadows when scanning non-standard size items or specified areas.
  Refer to "**Gutter Correction**" for details.
- When you enable this function, scanning may take longer than usual with network connection.

Correct slanted text document

Detects the scanned text and corrects the angle (within -0.1 to -10 degrees or +0.1 to +10 degrees) of the document.

Important

- The following types of documents may not be corrected properly since the text cannot be detected correctly.
  - Documents in which the text lines are inclined more than 10 degrees or the angles vary by line
  - Documents containing both vertical and horizontal text
  - Documents with extremely large or small fonts
  - Documents with small amount of text
  - Documents containing figures/images
  - Hand-written text
  - Documents containing both vertical and horizontal lines (tables)

Note

- Scanning takes longer than usual when you enable **Correct slanted text document**.

Detect the orientation of text document and rotate image

Automatically rotates the image to the correct orientation by detecting the orientation of text in the scanned document.

Important

- Only text documents written in languages that can be selected from **Document Language** in the **Settings (General Settings)** dialog are supported.
- The orientation may not be detected for the following types of settings or documents since the text cannot be detected correctly.
  - Resolution is outside the range of 300 dpi to 600 dpi
  - Font size is outside the range of 8 points to 48 points
  - Documents containing special fonts, effects, italics, or hand-written text
  - Documents with patterned backgrounds

  In that case, select the **Check scan results** checkbox and rotate the image in the **Save Settings** dialog.

(2) Save Settings Area

File Name

Enter the file name of the image to be saved. When you save a file, the date and four digits are appended to the set file name in the "_20XX0101_0001" format.

Note

- When you select the **Save to a subfolder with current date** checkbox, the date and four digits are appended to the set file name.

Save in

Displays the folder in which to save the scanned images. To change the folder, specify the destination folder in the dialog displayed by selecting **Add...** from the pop-up menu.

The default save folder is the **Pictures** folder.

Important

- When the Settings dialog is displayed from My Image Garden, this option does not appear.

Data Format

Select the data format in which to save the scanned images.

You can select **JPEG/Exif**, **TIFF**, **PNG**, **PDF**, or **PDF (Multiple Pages)**.

Important

- You cannot select **JPEG/Exif** when **Color Mode** is **Black and White**.
- When **Start OCR** is selected in **Application Settings**, you cannot select **PDF** or **PDF (Multiple Pages)**.

Note

- With network connection, scanning may take longer than usual when you set **TIFF** or **PNG** in **Data Format**.

PDF Compression

Select the compression type for saving PDF files.

Standard

It is recommended that you normally select this setting.

High

Compresses the file size when saving, allowing you to reduce the load on your network/server.

Important

- This appears only when **PDF** or **PDF (Multiple Pages)** is selected in **Data Format**.
- When **Black and White** is selected in **Color Mode**, this option does not appear.

JPEG Image Quality

You can specify the image quality of JPEG files.

Important

- This appears only when **JPEG/Exif** is selected in **Data Format**.

Create a PDF file that supports keyword search

Select this checkbox to convert text in images into text data and create PDF files that support keyword search.

Important

- This appears only when **PDF** or **PDF (Multiple Pages)** is selected in **Data Format**.

Note

- PDF files that are searchable in the language selected in **Document Language** on the (General Settings) tab of the Settings dialog are created.

Save to a subfolder with current date

Select this checkbox to create a current date folder in the folder specified in **Save in** and save scanned images in it. The folder will be created with a name such as "20XX_01_01" (Year_Month_Date).

If this checkbox is not selected, files are saved directly in the folder specified in **Save in**.

Check scan results

Displays the **Save Settings** dialog after scanning.

Important

- When the Settings dialog is displayed from My Image Garden, this option does not appear.

(3) Application Settings Area

Open with an application

Select this when you want to enhance or correct the scanned images.

You can specify the application from the pop-up menu.

Send to an application

Select this when you want to use the scanned images as they are in an application that allows you to browse or organize images.

You can specify the application from the pop-up menu.

Send to a folder

Select this when you also want to save the scanned images to a folder other than the one specified in **Save in**.

You can specify the folder from the pop-up menu.

Attach to e-mail

Select this when you want to send e-mails with the scanned images attached.

You can specify the e-mail client you want to start from the pop-up menu.

Start OCR

Select this when you want to convert text in the scanned image into text data.

You can specify the application from the pop-up menu.

Do not start any application

Saves to the folder specified in **Save in**.

Note

- Specify the application or folder in the dialog displayed by selecting **Add...** from the pop-up menu.

Instructions

Opens this guide.

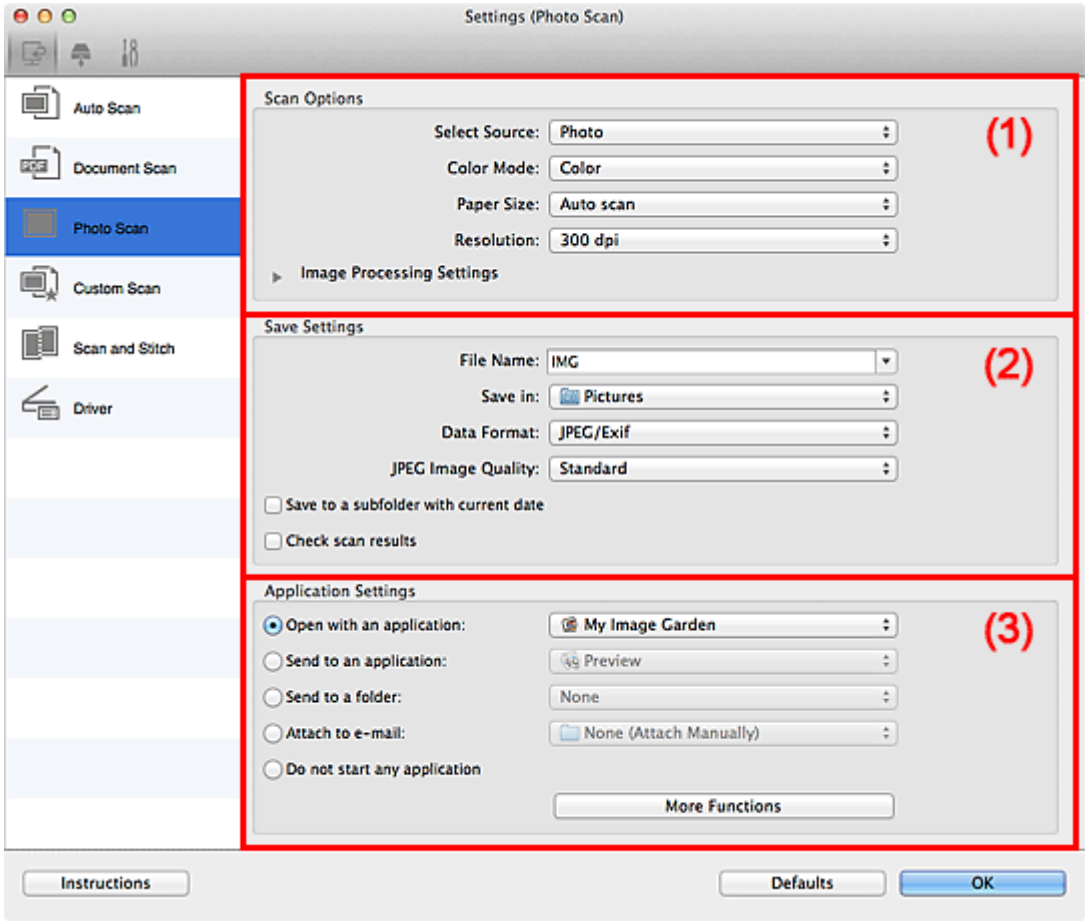
Defaults

You can restore the settings in the displayed screen to the default settings.

Settings (Photo Scan) Dialog

Click **Photo Scan** on the (Scanning from a Computer) tab to display the **Settings (Photo Scan)** dialog.

In the **Settings (Photo Scan)** dialog, you can make advanced scan settings to scan items as photos.



- (1) Scan Options Area
- (2) Save Settings Area
- (3) Application Settings Area

Important

- When the Settings dialog is displayed from My Image Garden, the setting items for **Application Settings** do not appear.

(1) Scan Options Area

Select Source

Photo is selected.

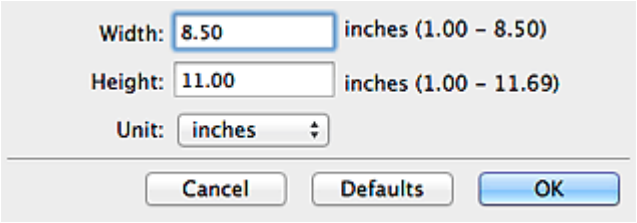
Color Mode

Select the color mode in which to scan the item.

Paper Size

Select the size of the item to be scanned.

When you select **Custom**, a screen in which you can specify the paper size appears. Select a **Unit**, then enter the **Width** and **Height**, and then click **OK**.



Note

- Click **Defaults** to restore the specified settings to the default settings.

Resolution

Select the resolution of the item to be scanned.

The higher the resolution (value), the more detail in your image.

Resolution

Image Processing Settings

Click (Right Arrow) to set the following.

Important

- When **Color Mode** is **Black and White**, **Image Processing Settings** is not available.

Sharpen outline

Emphasizes the outline of the subjects to sharpen the image.

(2) Save Settings Area

File Name

Enter the file name of the image to be saved. When you save a file, the date and four digits are appended to the set file name in the "_20XX0101_0001" format.

Note

- When you select the **Save to a subfolder with current date** checkbox, the date and four digits are appended to the set file name.

Save in

Displays the folder in which to save the scanned images. To change the folder, specify the destination folder in the dialog displayed by selecting **Add...** from the pop-up menu.

The default save folder is the **Pictures** folder.

Important

- When the Settings dialog is displayed from My Image Garden, this option does not appear.

Data Format

Select the data format in which to save the scanned images.

You can select **JPEG/Exif**, **TIFF**, or **PNG**.

Important

- You cannot select **JPEG/Exif** when **Color Mode** is **Black and White**.

Note

- With network connection, scanning may take longer than usual when you set **TIFF** or **PNG** in **Data Format**.

JPEG Image Quality

You can specify the image quality of JPEG files.

Important

- This appears only when **JPEG/Exif** is selected in **Data Format**.

Save to a subfolder with current date

Select this checkbox to create a current date folder in the folder specified in **Save in** and save scanned images in it. The folder will be created with a name such as "20XX_01_01" (Year_Month_Date).

If this checkbox is not selected, files are saved directly in the folder specified in **Save in**.

Check scan results

Displays the **Save Settings** dialog after scanning.

Important

- When the Settings dialog is displayed from My Image Garden, this option does not appear.

(3) Application Settings Area

Open with an application

Select this when you want to enhance or correct the scanned images.

You can specify the application from the pop-up menu.

Send to an application

Select this when you want to use the scanned images as they are in an application that allows you to browse or organize images.

You can specify the application from the pop-up menu.

Send to a folder

Select this when you also want to save the scanned images to a folder other than the one specified in **Save in**.

You can specify the folder from the pop-up menu.

Attach to e-mail

Select this when you want to send e-mails with the scanned images attached.

You can specify the e-mail client you want to start from the pop-up menu.

Do not start any application

Saves to the folder specified in **Save in**.

Note

- Specify the application or folder in the dialog displayed by selecting **Add...** from the pop-up menu.

Instructions

Opens this guide.

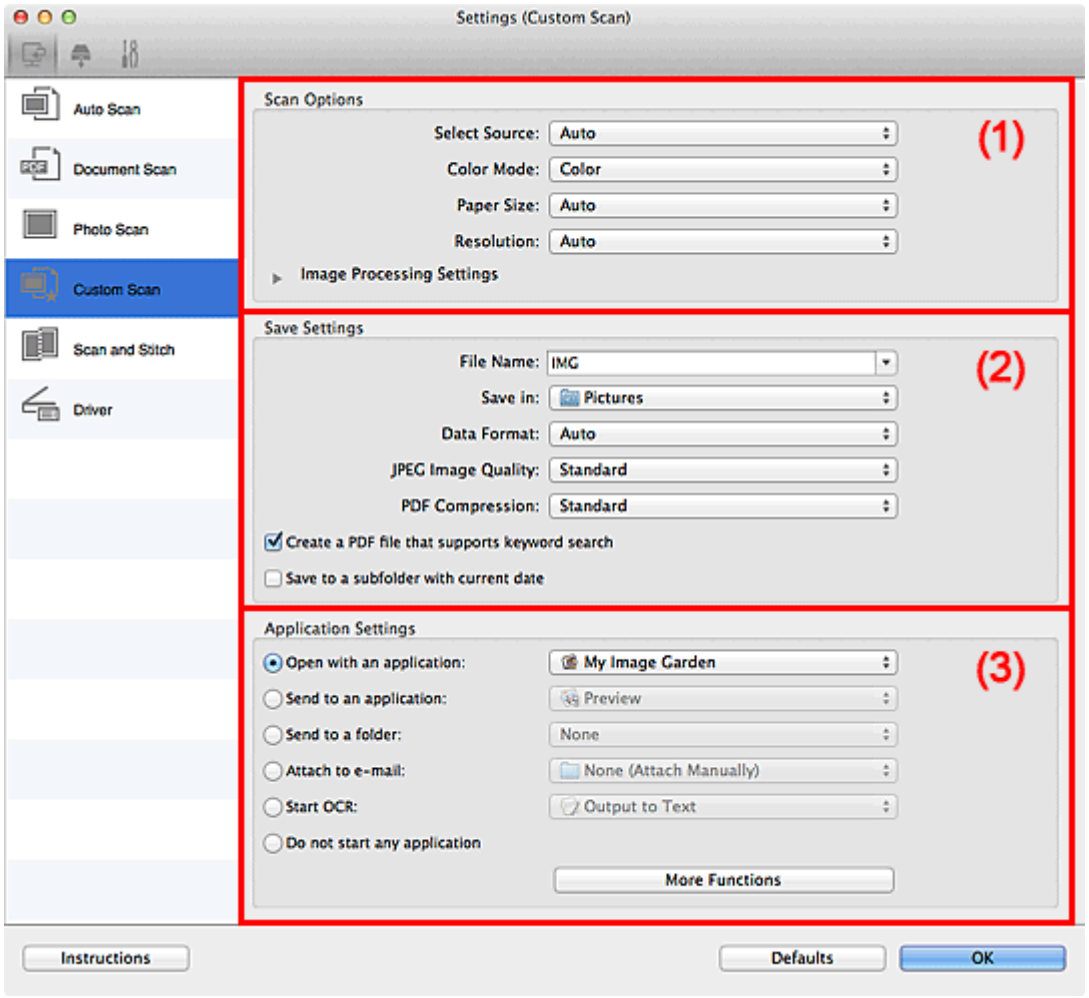
Defaults

You can restore the settings in the displayed screen to the default settings.

Settings (Custom Scan) Dialog

Click **Custom Scan** on the (Scanning from a Computer) tab to display the **Settings (Custom Scan)** dialog.

In the **Settings (Custom Scan)** dialog, you can make advanced scan settings to scan according to your preference.



- (1) Scan Options Area
- (2) Save Settings Area
- (3) Application Settings Area

Important

- When the Settings dialog is displayed from the Scan screen of My Image Garden, the setting items for **Application Settings** do not appear.

(1) Scan Options Area

Select Source

Select the type of item to be scanned. Select **Auto** to detect the item type automatically and to set **Color Mode**, **Paper Size**, and **Resolution** automatically as well.

Important

- Item types supported by **Auto** are photos, postcards, business cards, magazines, newspapers, documents, and BD/DVD/CD.

- To scan the following types of items, specify the item type or size. You cannot scan correctly with **Auto**.
  - A4 size photos
  - Text documents smaller than 2L (5 inches x 7 inches) (127 mm x 178 mm), such as paperback pages with the spine cut off
  - Items printed on thin white paper
  - Long narrow items such as panoramic photos
- Reflective disc labels may not be scanned as expected.
- Place items correctly according to the type of item to be scanned. Otherwise, items may not be scanned correctly.

  Refer to "Placing Items (When Scanning from a Computer)" for how to place items.

Note

- To convert text in the image into text data after scanning, specify **Select Source** instead of selecting **Auto**.
- To reduce moire, set **Select Source** to **Magazine**.

Color Mode

Select the color mode in which to scan the item.

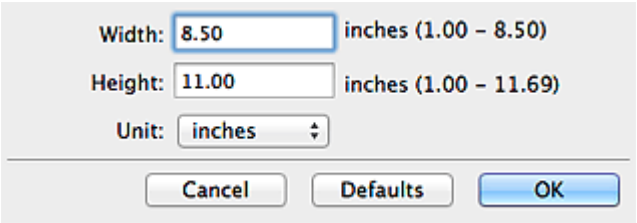
Note

- Only **Color** is available when **Select Source** is **Auto**.

Paper Size

Select the size of the item to be scanned.

When you select **Custom**, a screen in which you can specify the paper size appears. Select a **Unit**, then enter the **Width** and **Height**, and then click **OK**.



Note

- Only **Auto** is available when **Select Source** is **Auto**.
- Click **Defaults** in the screen in which you can specify the paper size to restore the specified settings to the default settings.

Resolution

Select the resolution of the item to be scanned.

The higher the resolution (value), the more detail in your image.

Resolution

Note

- Only **Auto** is available when **Select Source** is **Auto**.
- Only **300 dpi** or **400 dpi** can be set when **Start OCR** is selected in **Application Settings**.

Image Processing Settings

Click (Right Arrow) to set the following. Available setting items vary by **Select Source**.

- **When Select Source is Auto:**

  Apply recommended image correction

  Applies suitable corrections automatically based on the item type.

  Important

  - The color tone may differ from the source image due to corrections. In that case, deselect the checkbox and scan.

  Note

  - Scanning takes longer than usual when you enable this function.

- **When Select Source is Photo:**

  Important

  - When **Color Mode** is **Black and White**, **Image Processing Settings** is not available.

  Sharpen outline

  Emphasizes the outline of the subjects to sharpen the image.

- **When Select Source is Magazine or Document:**

  Note

  - When **Color Mode** is **Black and White**, only **Reduce gutter shadow**, **Correct slanted text document**, and **Detect the orientation of text document and rotate image** appear.

  Apply Auto Document Fix

  Select this checkbox to sharpen text in a document or magazine for better readability.

  Important

  - The color tone may differ from the source image due to corrections. In that case, deselect the checkbox and scan.

  Note

  - Scanning takes longer than usual when you enable this function.

  Sharpen outline

  Emphasizes the outline of the subjects to sharpen the image.

  Reduce show-through

  Sharpens text in an item or reduces show-through in newspapers, etc.

  Reduce moire

  Reduces moire patterns.

  Printed materials are displayed as a collection of fine dots. "Moire" is a phenomenon where uneven gradation or a stripe pattern appears when such photos or pictures printed with fine dots are scanned.

  Note

  - Scanning takes longer than usual when you enable **Reduce moire**.

Reduce gutter shadow

Reduces gutter shadows that appear between pages when scanning open booklets.

Note

- Click **Driver** in the IJ Scan Utility main screen and scan to correct gutter shadows when scanning non-standard size items or specified areas.
  Refer to "**Gutter Correction**" for details.
- When you enable this function, scanning may take longer than usual with network connection.

Correct slanted text document

Detects the scanned text and corrects the angle (within -0.1 to -10 degrees or +0.1 to +10 degrees) of the document.

Important

- The following types of documents may not be corrected properly since the text cannot be detected correctly.
  - Documents in which the text lines are inclined more than 10 degrees or the angles vary by line
  - Documents containing both vertical and horizontal text
  - Documents with extremely large or small fonts
  - Documents with small amount of text
  - Documents containing figures/images
  - Hand-written text
  - Documents containing both vertical and horizontal lines (tables)

Note

- Scanning takes longer than usual when you enable **Correct slanted text document**.

Detect the orientation of text document and rotate image

Automatically rotates the image to the correct orientation by detecting the orientation of text in the scanned document.

Important

- Only text documents written in languages that can be selected from **Document Language** in the **Settings (General Settings)** dialog are supported.
- The orientation may not be detected for the following types of settings or documents since the text cannot be detected correctly.
  - Resolution is outside the range of 300 dpi to 600 dpi
  - Font size is outside the range of 8 points to 48 points
  - Documents containing special fonts, effects, italics, or hand-written text
  - Documents with patterned backgrounds

  In that case, select the **Check scan results** checkbox and rotate the image in the **Save Settings** dialog.

(2) Save Settings Area

File Name

Enter the file name of the image to be saved. When you save a file, the date and four digits are appended to the set file name in the "_20XX0101_0001" format.

Note

- When you select the **Save to a subfolder with current date** checkbox, the date and four digits are appended to the set file name.

Save in

Displays the folder in which to save the scanned images. To change the folder, specify the destination folder in the dialog displayed by selecting **Add...** from the pop-up menu.

The default save folder is the **Pictures** folder.

Important

- When the Settings dialog is displayed from My Image Garden, this option does not appear.

Data Format

Select the data format in which to save the scanned images.

You can select **JPEG/Exif**, **TIFF**, **PNG**, **PDF**, **PDF (Multiple Pages)**, or **Auto**.

Important

- When **Auto** is selected, the save format may differ depending on how you place the item.

  Placing Items (When Scanning from a Computer)

- You cannot select **JPEG/Exif** when **Color Mode** is **Black and White**.
- When **Start OCR** is selected in **Application Settings**, you cannot select **PDF**, **PDF (Multiple Pages)**, or **Auto**.

Note

- **Auto** appears only when **Auto** is selected for **Select Source**.
- With network connection, scanning may take longer than usual when you set **TIFF** or **PNG** in **Data Format**.

JPEG Image Quality

You can specify the image quality of JPEG files.

Important

- This appears only when **JPEG/Exif** or **Auto** is selected in **Data Format**.

PDF Compression

Select the compression type for saving PDF files.

Standard

It is recommended that you normally select this setting.

High

Compresses the file size when saving, allowing you to reduce the load on your network/server.

Important

- This appears only when **PDF**, **PDF (Multiple Pages)**, or **Auto** is selected in **Data Format**.
- When **Black and White** is selected in **Color Mode**, this option does not appear.

Create a PDF file that supports keyword search

Select this checkbox to convert text in images into text data and create PDF files that support keyword search.

Important

- This appears only when **PDF**, **PDF (Multiple Pages)**, or **Auto** is selected in **Data Format**.

Note

- PDF files that are searchable in the language selected in **Document Language** on the (General Settings) tab of the Settings dialog are created.

Save to a subfolder with current date

Select this checkbox to create a current date folder in the folder specified in **Save in** and save scanned images in it. The folder will be created with a name such as "20XX_01_01" (Year_Month_Date).

If this checkbox is not selected, files are saved directly in the folder specified in **Save in**.

Check scan results

Displays the **Save Settings** dialog after scanning.

Important

- This does not appear when **Select Source** is **Auto**.
- When the Settings dialog is displayed from My Image Garden, this option does not appear.

(3) Application Settings Area

Open with an application

Select this when you want to enhance or correct the scanned images.

You can specify the application from the pop-up menu.

Send to an application

Select this when you want to use the scanned images as they are in an application that allows you to browse or organize images.

You can specify the application from the pop-up menu.

Send to a folder

Select this when you also want to save the scanned images to a folder other than the one specified in **Save in**.

You can specify the folder from the pop-up menu.

Attach to e-mail

Select this when you want to send e-mails with the scanned images attached.

You can specify the e-mail client you want to start from the pop-up menu.

Start OCR

Select this when you want to convert text in the scanned image into text data.

You can specify the application from the pop-up menu.

Do not start any application

Saves to the folder specified in **Save in**.

Note

- Specify the application or folder in the dialog displayed by selecting **Add...** from the pop-up menu.

Instructions

Opens this guide.

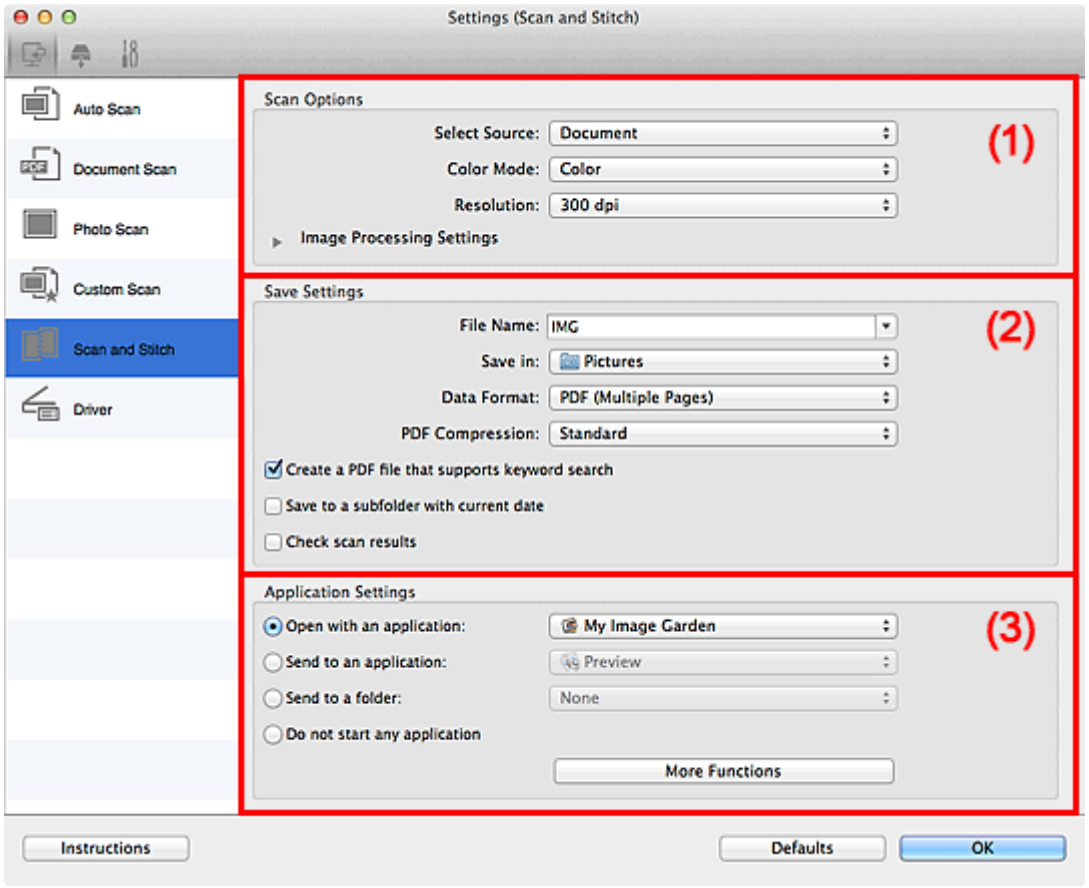
Defaults

You can restore the settings in the displayed screen to the default settings.

Settings (Scan and Stitch) Dialog

Click **Scan and Stitch** on the (Scanning from a Computer) tab to display the **Settings (Scan and Stitch)** dialog.

In the **Settings (Scan and Stitch)** dialog, you can make advanced scan settings for scanning items larger than the platen.



- (1) Scan Options Area
- (2) Save Settings Area
- (3) Application Settings Area

Important

- When the Settings dialog is displayed from the Scan screen of My Image Garden, the setting items for **Application Settings** do not appear.

(1) Scan Options Area

Select Source

Select the type of item to be scanned.

- Scanning photos: **Photo**
- Scanning documents: **Document**
- Scanning magazines: **Magazine**

Note

- To reduce moire, set **Select Source** to **Magazine**.

Color Mode

Select the color mode in which to scan the item.

Resolution

Select the resolution of the item to be scanned.

The higher the resolution (value), the more detail in your image.

Resolution

Image Processing Settings

Click (Right Arrow) to set the following. Available setting items vary by **Select Source**.

Important

- When **Color Mode** is **Black and White**, **Image Processing Settings** is not available.

- **When Select Source is Photo:**

  Sharpen outline

  Emphasizes the outline of the subjects to sharpen the image.

- **When Select Source is Magazine or Document:**

  Sharpen outline

  Emphasizes the outline of the subjects to sharpen the image.

  Reduce show-through

  Sharpens text in an item or reduces show-through in newspapers, etc.

  Reduce moire

  Reduces moire patterns.

  Printed materials are displayed as a collection of fine dots. "Moire" is a phenomenon where uneven gradation or a stripe pattern appears when such photos or pictures printed with fine dots are scanned.

  Note

  - Scanning takes longer than usual when you enable **Reduce moire**.

(2) Save Settings Area

File Name

Enter the file name of the image to be saved. When you save a file, the date and four digits are appended to the set file name in the "_20XX0101_0001" format.

Note

- When you select the **Save to a subfolder with current date** checkbox, the date and four digits are appended to the set file name.

Save in

Displays the folder in which to save the scanned images. To change the folder, specify the destination folder in the dialog displayed by selecting **Add...** from the pop-up menu.

The default save folder is the **Pictures** folder.

Important

- When the Settings dialog is displayed from My Image Garden, this option does not appear.

Data Format

Select the data format in which to save the scanned images.

You can select **JPEG/Exif**, **TIFF**, **PNG**, **PDF**, or **PDF (Multiple Pages)**.

Important

- You cannot select **JPEG/Exif** when **Color Mode** is **Black and White**.

Note

- With network connection, scanning may take longer than usual when you set **TIFF** or **PNG** in **Data Format**.

PDF Compression

Select the compression type for saving PDF files.

Standard

It is recommended that you normally select this setting.

High

Compresses the file size when saving, allowing you to reduce the load on your network/server.

Important

- This appears only when **PDF** or **PDF (Multiple Pages)** is selected in **Data Format**.
- When **Black and White** is selected in **Color Mode**, this option does not appear.

Create a PDF file that supports keyword search

Select this checkbox to convert text in images into text data and create PDF files that support keyword search.

Important

- This appears only when **PDF** or **PDF (Multiple Pages)** is selected in **Data Format**.

Note

- PDF files that are searchable in the language selected in **Document Language** on the (General Settings) tab of the Settings dialog are created.

JPEG Image Quality

You can specify the image quality of JPEG files.

Important

- This appears only when **JPEG/Exif** is selected in **Data Format**.

Save to a subfolder with current date

Select this checkbox to create a current date folder in the folder specified in **Save in** and save scanned images in it. The folder will be created with a name such as "20XX_01_01" (Year_Month_Date).

If this checkbox is not selected, files are saved directly in the folder specified in **Save in**.

Check scan results

Displays the **Save Settings** dialog after scanning.

Important

- When the Settings dialog is displayed from My Image Garden, this option does not appear.

(3) Application Settings Area

Open with an application

Select this when you want to enhance or correct the scanned images.

You can specify the application from the pop-up menu.

Send to an application

Select this when you want to use the scanned images as they are in an application that allows you to browse or organize images.

You can specify the application from the pop-up menu.

Send to a folder

Select this when you also want to save the scanned images to a folder other than the one specified in **Save in**.

You can specify the folder from the pop-up menu.

Do not start any application

Saves to the folder specified in **Save in**.

Note

- Specify the application or folder in the dialog displayed by selecting **Add...** from the pop-up menu.

Instructions

Opens this guide.

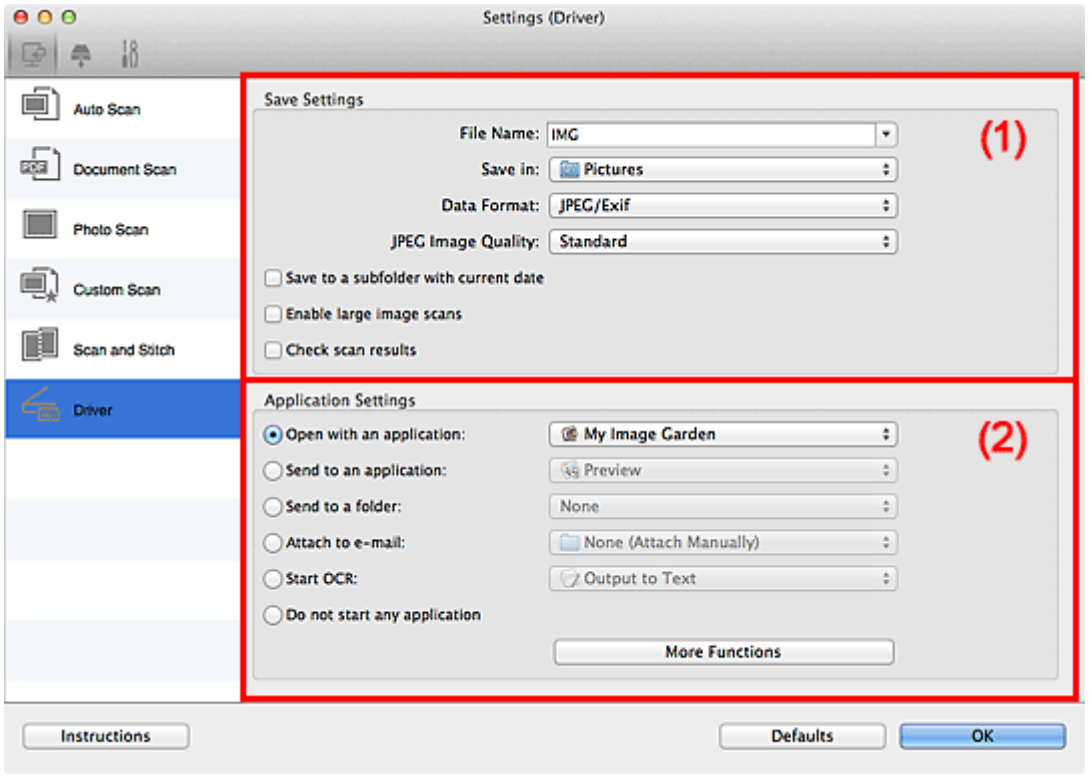
Defaults

You can restore the settings in the displayed screen to the default settings.

Settings (Driver) Dialog

Click **Driver** on the (Scanning from a Computer) tab to display the **Settings (Driver)** dialog.

In the **Settings (Driver)** dialog, you can specify how to save images when scanning items by starting the scanner driver from IJ Scan Utility and how to respond after saving them.



- (1) Save Settings Area
- (2) Application Settings Area

Important

- When the Settings dialog is displayed from My Image Garden, the setting items for **Application Settings** do not appear.

(1) Save Settings Area

File Name

Enter the file name of the image to be saved. When you save a file, the date and four digits are appended to the set file name in the "_20XX0101_0001" format.

Note

- When you select the **Save to a subfolder with current date** checkbox, the date and four digits are appended to the set file name.

Save in

Displays the folder in which to save the scanned images. To change the folder, specify the destination folder in the dialog displayed by selecting **Add...** from the pop-up menu.

The default save folder is the **Pictures** folder.

Important

- When the Settings dialog is displayed from My Image Garden, this option does not appear.

Data Format

Select the data format in which to save the scanned images.

You can select **JPEG/Exif**, **TIFF**, **PNG**, **PDF**, or **PDF (Multiple Pages)**.

Note

- When **PDF** or **PDF (Multiple Pages)** is selected, images up to 9600 pixels x 9600 pixels can be scanned.
- When the **Enable large image scans** checkbox is selected in **Save Settings**, or when **Start OCR** is selected in **Application Settings**, you can select **JPEG/Exif**, **TIFF**, or **PNG**.
- With network connection, scanning may take longer than usual when you set **TIFF** or **PNG** in **Data Format**.

JPEG Image Quality

You can specify the image quality of JPEG files.

Important

- This appears only when **JPEG/Exif** is selected in **Data Format**.

PDF Compression

Select the compression type for saving PDF files.

Standard

It is recommended that you normally select this setting.

High

Compresses the file size when saving, allowing you to reduce the load on your network/server.

Important

- This appears only when **PDF** or **PDF (Multiple Pages)** is selected in **Data Format**.

Create a PDF file that supports keyword search

Select this checkbox to convert text in images into text data and create PDF files that support keyword search.

Important

- This appears only when **PDF** or **PDF (Multiple Pages)** is selected in **Data Format**.

Note

- PDF files that are searchable in the language selected in **Document Language** on the (General Settings) tab of the Settings dialog are created.

Save to a subfolder with current date

Select this checkbox to create a current date folder in the folder specified in **Save in** and save scanned images in it. The folder will be created with a name such as "20XX_01_01" (Year_Month_Date).

If this checkbox is not selected, files are saved directly in the folder specified in **Save in**.

Enable large image scans

Select this checkbox to scan images up to 21000 pixels x 30000 pixels and 1.8 GB.

Important

- When this checkbox is selected, you cannot select **Send to an application**, **Send to a folder**, **Attach to e-mail**, or **Start OCR**.

- When the Settings dialog is displayed from My Image Garden, this option does not appear.

Note

- When this checkbox is not selected, images up to 10208 pixels x 14032 pixels can be scanned.

Check scan results

Displays the **Save Settings** dialog after scanning.

Important

- When the Settings dialog is displayed from My Image Garden, this option does not appear.

(2) Application Settings Area

Open with an application

Select this when you want to enhance or correct the scanned images.

You can specify the application from the pop-up menu.

Send to an application

Select this when you want to use the scanned images as they are in an application that allows you to browse or organize images.

You can specify the application from the pop-up menu.

Send to a folder

Select this when you also want to save the scanned images to a folder other than the one specified in **Save in**.

You can specify the folder from the pop-up menu.

Attach to e-mail

Select this when you want to send e-mails with the scanned images attached.

You can specify the e-mail client you want to start from the pop-up menu.

Start OCR

Select this when you want to convert text in the scanned image into text data.

You can specify the application from the pop-up menu.

Do not start any application

Saves to the folder specified in **Save in**.

Note

- Specify the application or folder in the dialog displayed by selecting **Add...** from the pop-up menu.

Instructions

Opens this guide.

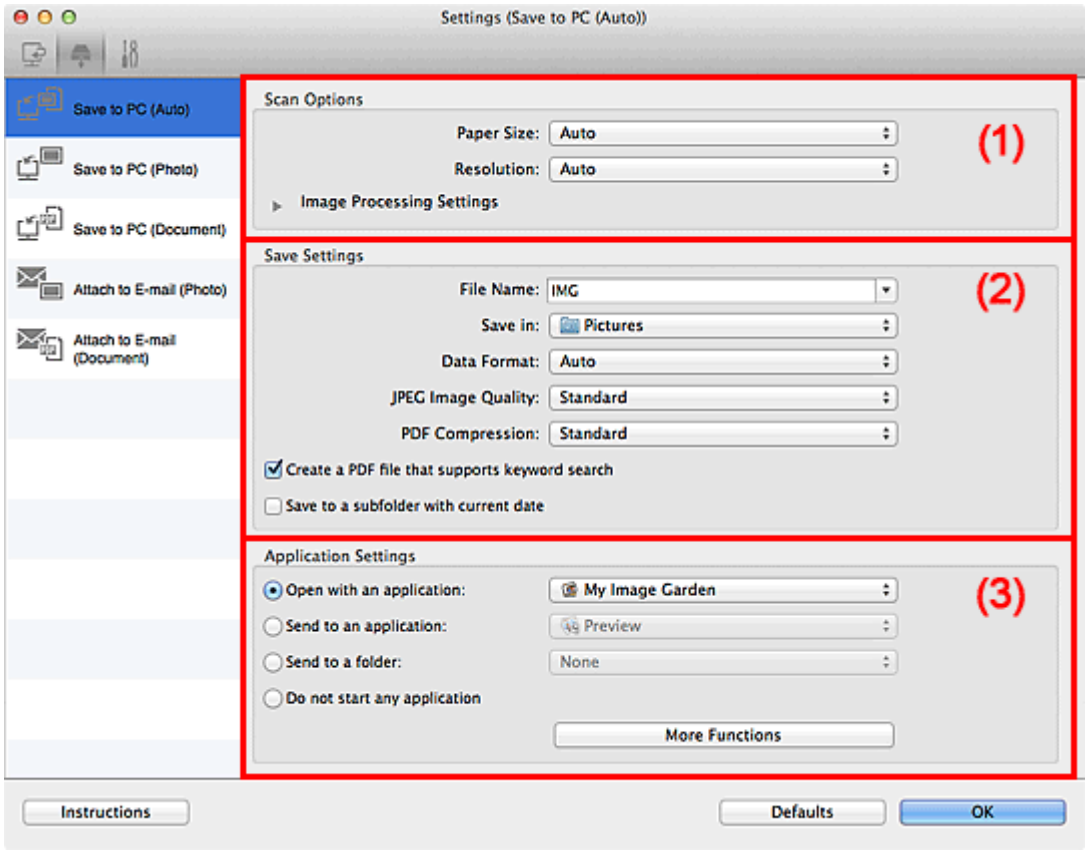
Defaults

You can restore the settings in the displayed screen to the default settings.

Settings (Save to PC (Auto)) Dialog

Click **Save to PC (Auto)** on the (Scanning from the Operation Panel) tab to display the **Settings (Save to PC (Auto))** dialog.

In the **Settings (Save to PC (Auto))** dialog, you can specify how to respond when saving images to a computer after scanning them from the operation panel by automatically detecting the item type.



- (1) Scan Options Area
- (2) Save Settings Area
- (3) Application Settings Area

(1) Scan Options Area

Paper Size

Auto is selected.

Resolution

Auto is selected.

Image Processing Settings

Click (Right Arrow) to set the following.

Apply recommended image correction

Applies suitable corrections automatically based on the item type.

Important

- The color tone may differ from the source image due to corrections. In that case, deselect the checkbox and scan.

Note

- Scanning takes longer than usual when you enable this function.

(2) Save Settings Area

File Name

Enter the file name of the image to be saved. When you save a file, the date and four digits are appended to the set file name in the "_20XX0101_0001" format.

Note

- When you select the **Save to a subfolder with current date** checkbox, the date and four digits are appended to the set file name.

Save in

Displays the folder in which to save the scanned images. To change the folder, specify the destination folder in the dialog displayed by selecting **Add...** from the pop-up menu.

The default save folder is the **Pictures** folder.

Data Format

Auto is selected. The following data formats are automatically applied according to the item type when saving.

- Photos, postcards, BD/DVD/CD, and business cards: JPEG
- Magazines, newspapers, and documents: PDF

Important

- The save format may differ depending on how you place the item.

  Refer to "Placing Items (When Scanning from a Computer)" for how to place items.

JPEG Image Quality

You can specify the image quality of JPEG files.

PDF Compression

Select the compression type for saving PDF files.

Standard

It is recommended that you normally select this setting.

High

Compresses the file size when saving, allowing you to reduce the load on your network/server.

Create a PDF file that supports keyword search

Select this checkbox to convert text in images into text data and create PDF files that support keyword search.

Note

- PDF files that are searchable in the language selected in **Document Language** on the (General Settings) tab of the Settings dialog are created.

Save to a subfolder with current date

Select this checkbox to create a current date folder in the folder specified in **Save in** and save scanned images in it. The folder will be created with a name such as "20XX_01_01" (Year_Month_Date).

If this checkbox is not selected, files are saved directly in the folder specified in **Save in**.

(3) Application Settings Area

Open with an application

Select this when you want to enhance or correct the scanned images.

You can specify the application from the pop-up menu.

Send to an application

Select this when you want to use the scanned images as they are in an application that allows you to browse or organize images.

You can specify the application from the pop-up menu.

Send to a folder

Select this when you also want to save the scanned images to a folder other than the one specified in **Save in**.

You can specify the folder from the pop-up menu.

Do not start any application

Saves to the folder specified in **Save in**.

Note

- Specify the application or folder in the dialog displayed by selecting **Add...** from the pop-up menu.

Instructions

Opens this guide.

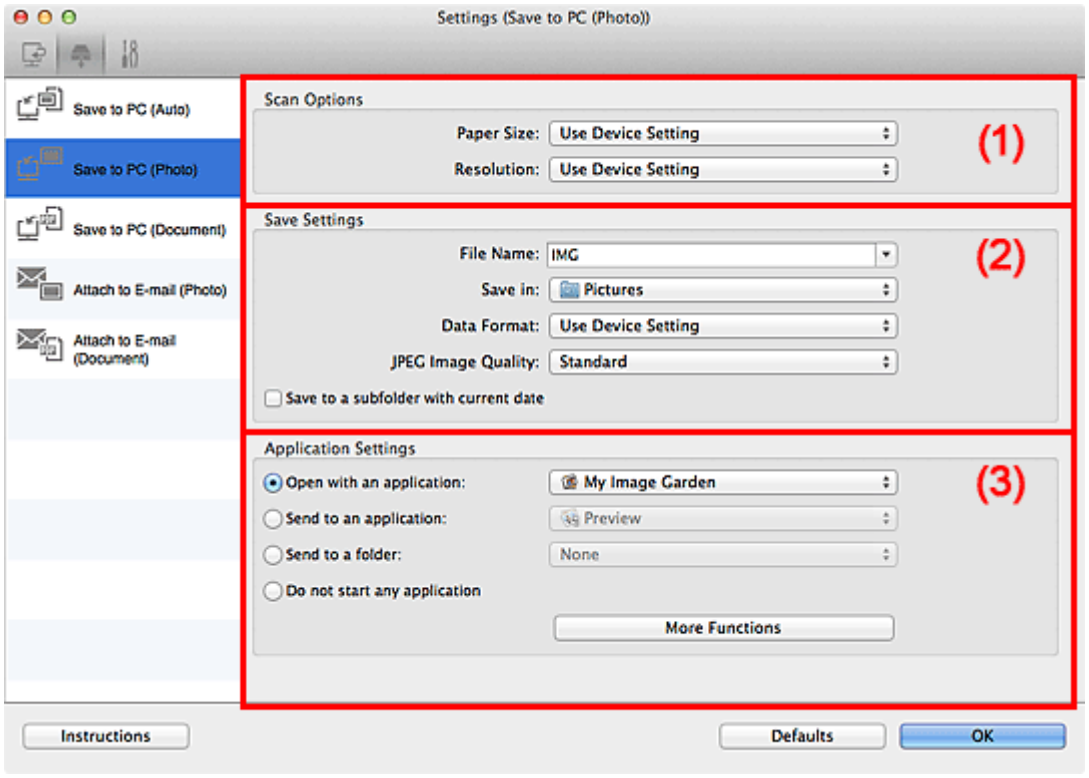
Defaults

You can restore the settings in the displayed screen to the default settings.

Settings (Save to PC (Photo)) Dialog

Click **Save to PC (Photo)** on the (Scanning from the Operation Panel) tab to display the **Settings (Save to PC (Photo))** dialog.

In the **Settings (Save to PC (Photo))** dialog, you can specify how to respond when saving images to a computer as photos after scanning them from the operation panel.



- (1) Scan Options Area
- (2) Save Settings Area
- (3) Application Settings Area

(1) Scan Options Area

Paper Size

Set from the operation panel.

Resolution

Set from the operation panel.

(2) Save Settings Area

File Name

Enter the file name of the image to be saved. When you save a file, the date and four digits are appended to the set file name in the "_20XX0101_0001" format.

Note

- When you select the **Save to a subfolder with current date** checkbox, the date and four digits are appended to the set file name.

Save in

Displays the folder in which to save the scanned images. To change the folder, specify the destination folder in the dialog displayed by selecting **Add...** from the pop-up menu.

The default save folder is the **Pictures** folder.

Data Format

Set from the operation panel.

JPEG Image Quality

You can specify the image quality of JPEG files.

Save to a subfolder with current date

Select this checkbox to create a current date folder in the folder specified in **Save in** and save scanned images in it. The folder will be created with a name such as "20XX_01_01" (Year_Month_Date).

If this checkbox is not selected, files are saved directly in the folder specified in **Save in**.

(3) Application Settings Area

Open with an application

Select this when you want to enhance or correct the scanned images.

You can specify the application from the pop-up menu.

Send to an application

Select this when you want to use the scanned images as they are in an application that allows you to browse or organize images.

You can specify the application from the pop-up menu.

Send to a folder

Select this when you also want to save the scanned images to a folder other than the one specified in **Save in**.

You can specify the folder from the pop-up menu.

Do not start any application

Saves to the folder specified in **Save in**.

Note

- Specify the application or folder in the dialog displayed by selecting **Add...** from the pop-up menu.

Instructions

Opens this guide.

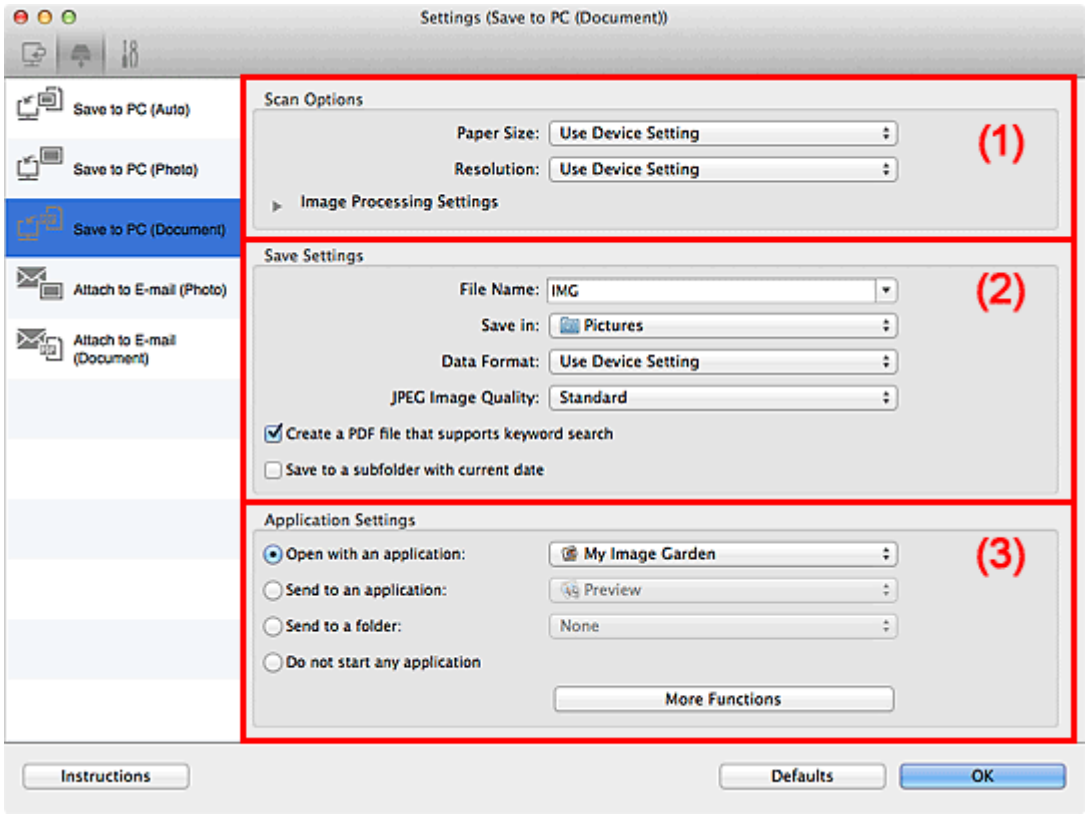
Defaults

You can restore the settings in the displayed screen to the default settings.

Settings (Save to PC (Document)) Dialog

Click **Save to PC (Document)** on the (Scanning from the Operation Panel) tab to display the **Settings (Save to PC (Document))** dialog.

In the **Settings (Save to PC (Document))** dialog, you can specify how to respond when saving images to a computer as documents after scanning them from the operation panel.



- (1) Scan Options Area
- (2) Save Settings Area
- (3) Application Settings Area

(1) Scan Options Area

Paper Size

Set from the operation panel.

Resolution

Set from the operation panel.

Image Processing Settings

Click ▶ (Right Arrow) to set the following.

Apply Auto Document Fix

Select this checkbox to sharpen text in a document or magazine for better readability.

Important

- The color tone may differ from the source image due to corrections. In that case, deselect the checkbox and scan.

Note

- Scanning takes longer than usual when you enable this function.

Reduce gutter shadow

Reduces gutter shadows that appear between pages when scanning open booklets.

Note

- When you enable this function, scanning may take longer than usual with network connection.

Correct slanted text document

Detects the scanned text and corrects the angle (within -0.1 to -10 degrees or +0.1 to +10 degrees) of the document.

Important

- The following types of documents may not be corrected properly since the text cannot be detected correctly.
  - Documents in which the text lines are inclined more than 10 degrees or the angles vary by line
  - Documents containing both vertical and horizontal text
  - Documents with extremely large or small fonts
  - Documents with small amount of text
  - Documents containing figures/images
  - Hand-written text
  - Documents containing both vertical and horizontal lines (tables)

Note

- Scanning takes longer than usual when you enable **Correct slanted text document**.

Detect the orientation of text document and rotate image

Automatically rotates the image to the correct orientation by detecting the orientation of text in the scanned document.

Important

- Only text documents written in languages that can be selected from **Document Language** in the **Settings (General Settings)** dialog are supported.
- The orientation may not be detected for the following types of settings or documents since the text cannot be detected correctly.
  - Resolution is outside the range of 300 dpi to 600 dpi
  - Font size is outside the range of 8 points to 48 points
  - Documents containing special fonts, effects, italics, or hand-written text
  - Documents with patterned backgrounds

(2) Save Settings Area

File Name

Enter the file name of the image to be saved. When you save a file, the date and four digits are appended to the set file name in the "_20XX0101_0001" format.

Note

- When you select the **Save to a subfolder with current date** checkbox, the date and four digits are appended to the set file name.

Save in

Displays the folder in which to save the scanned images. To change the folder, specify the destination folder in the dialog displayed by selecting **Add...** from the pop-up menu.

The default save folder is the **Pictures** folder.

Data Format

Set from the operation panel.

JPEG Image Quality

You can specify the image quality of JPEG files.

Create a PDF file that supports keyword search

Select this checkbox to convert text in images into text data and create PDF files that support keyword search.

Note

- PDF files that are searchable in the language selected in **Document Language** on the (General Settings) tab of the Settings dialog are created.

Save to a subfolder with current date

Select this checkbox to create a current date folder in the folder specified in **Save in** and save scanned images in it. The folder will be created with a name such as "20XX_01_01" (Year_Month_Date).

If this checkbox is not selected, files are saved directly in the folder specified in **Save in**.

(3) Application Settings Area

Open with an application

Select this when you want to enhance or correct the scanned images.

You can specify the application from the pop-up menu.

Send to an application

Select this when you want to use the scanned images as they are in an application that allows you to browse or organize images.

You can specify the application from the pop-up menu.

Send to a folder

Select this when you also want to save the scanned images to a folder other than the one specified in **Save in**.

You can specify the folder from the pop-up menu.

Do not start any application

Saves to the folder specified in **Save in**.

Note

- Specify the application or folder in the dialog displayed by selecting **Add...** from the pop-up menu.

Instructions

Opens this guide.

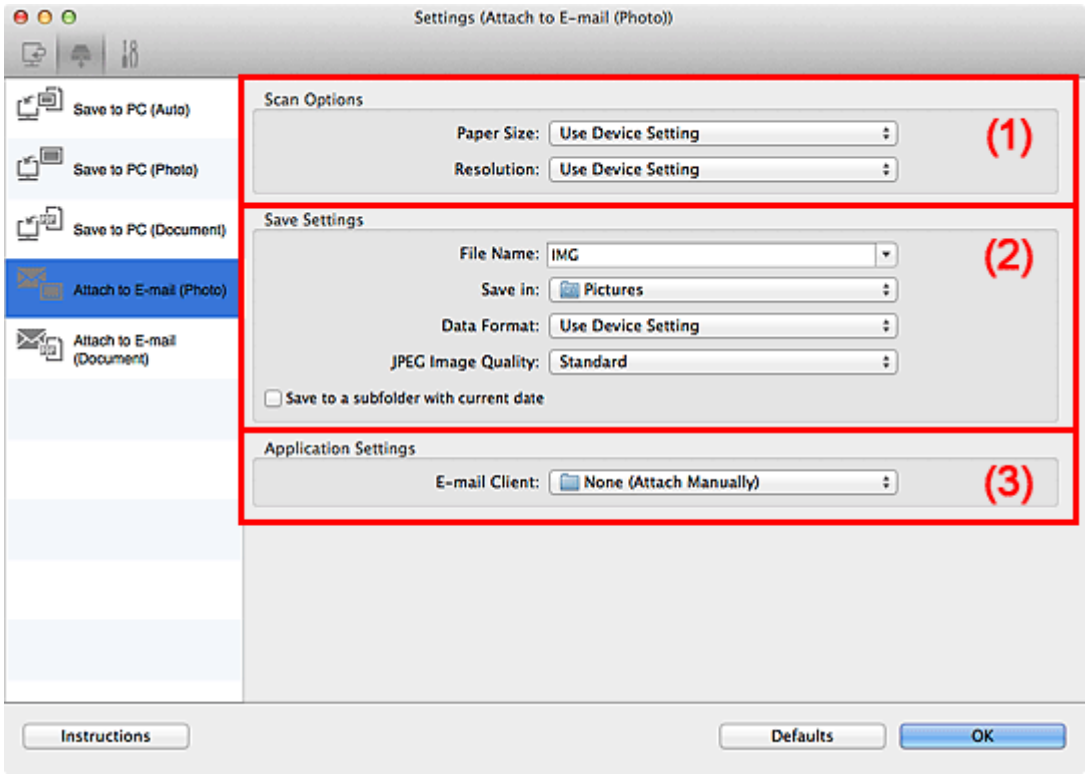
Defaults

You can restore the settings in the displayed screen to the default settings.

Settings (Attach to E-mail (Photo)) Dialog

Click **Attach to E-mail (Photo)** on the (Scanning from the Operation Panel) tab to display the **Settings (Attach to E-mail (Photo))** dialog.

In the **Settings (Attach to E-mail (Photo))** dialog, you can specify how to respond when attaching images to an e-mail as photos after scanning them from the operation panel.



- (1) Scan Options Area
- (2) Save Settings Area
- (3) Application Settings Area

(1) Scan Options Area

Paper Size

Set from the operation panel.

Resolution

Set from the operation panel.

(2) Save Settings Area

File Name

Enter the file name of the image to be saved. When you save a file, the date and four digits are appended to the set file name in the "_20XX0101_0001" format.

Note

- When you select the **Save to a subfolder with current date** checkbox, the date and four digits are appended to the set file name.

Save in

Displays the folder in which to save the scanned images. To change the folder, specify the destination folder in the dialog displayed by selecting **Add...** from the pop-up menu.

The default save folder is the **Pictures** folder.

Data Format

Set from the operation panel.

JPEG Image Quality

You can specify the image quality of JPEG files.

Save to a subfolder with current date

Select this checkbox to create a current date folder in the folder specified in **Save in** and save scanned images in it. The folder will be created with a name such as "20XX_01_01" (Year_Month_Date).

If this checkbox is not selected, files are saved directly in the folder specified in **Save in**.

(3) Application Settings Area

E-mail Client

Specify the e-mail client to use for attaching scanned images.

You can specify the e-mail client you want to start from the pop-up menu.

Note

- Specify the e-mail client in the dialog displayed by selecting **Add...** from the pop-up menu.

Instructions

Opens this guide.

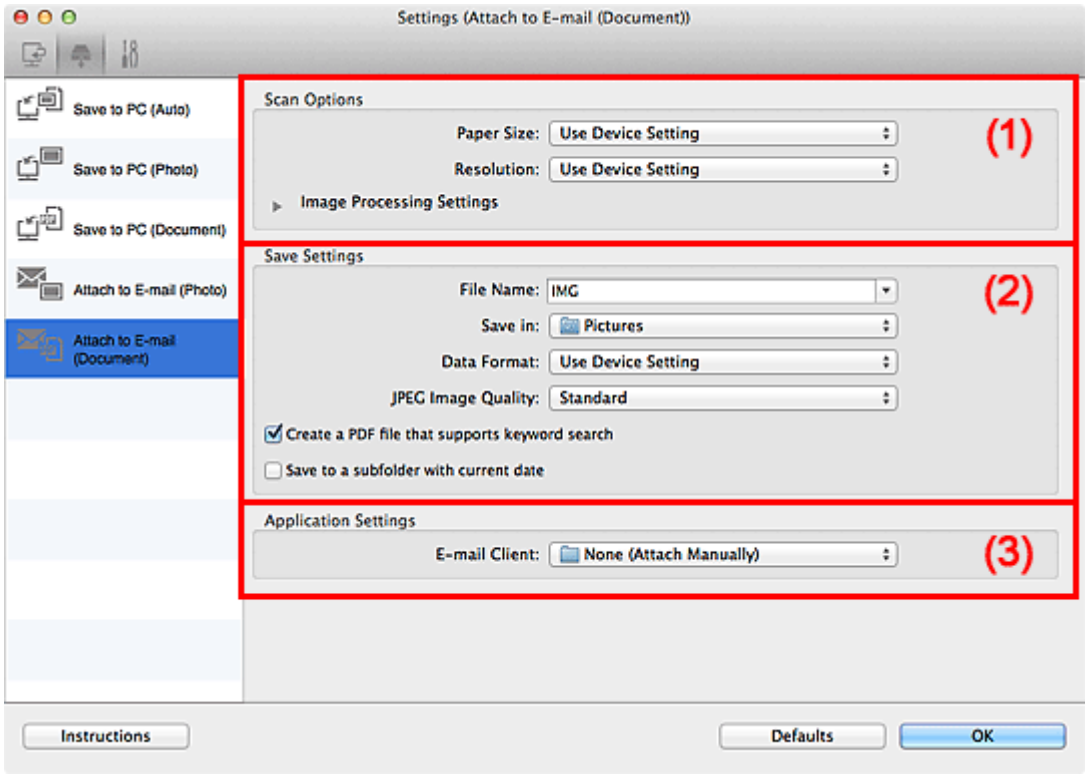
Defaults

You can restore the settings in the displayed screen to the default settings.

Settings (Attach to E-mail (Document)) Dialog

Click **Attach to E-mail (Document)** on the (Scanning from the Operation Panel) tab to display the **Settings (Attach to E-mail (Document))** dialog.

In the **Settings (Attach to E-mail (Document))** dialog, you can specify how to respond when attaching images to an e-mail as documents after scanning them from the operation panel.



- (1) Scan Options Area
- (2) Save Settings Area
- (3) Application Settings Area

(1) Scan Options Area

Paper Size

Set from the operation panel.

Resolution

Set from the operation panel.

Image Processing Settings

Click ▶ (Right Arrow) to set the following.

Apply Auto Document Fix

Select this checkbox to sharpen text in a document or magazine for better readability.

Important

- The color tone may differ from the source image due to corrections. In that case, deselect the checkbox and scan.

Note

- Scanning takes longer than usual when you enable this function.

Reduce gutter shadow

Reduces gutter shadows that appear between pages when scanning open booklets.

Note

- When you enable this function, scanning may take longer than usual with network connection.

Correct slanted text document

Detects the scanned text and corrects the angle (within -0.1 to -10 degrees or +0.1 to +10 degrees) of the document.

Important

- The following types of documents may not be corrected properly since the text cannot be detected correctly.
  - Documents in which the text lines are inclined more than 10 degrees or the angles vary by line
  - Documents containing both vertical and horizontal text
  - Documents with extremely large or small fonts
  - Documents with small amount of text
  - Documents containing figures/images
  - Hand-written text
  - Documents containing both vertical and horizontal lines (tables)

Note

- Scanning takes longer than usual when you enable **Correct slanted text document**.

Detect the orientation of text document and rotate image

Automatically rotates the image to the correct orientation by detecting the orientation of text in the scanned document.

Important

- Only text documents written in languages that can be selected from **Document Language** in the **Settings (General Settings)** dialog are supported.
- The orientation may not be detected for the following types of settings or documents since the text cannot be detected correctly.
  - Resolution is outside the range of 300 dpi to 600 dpi
  - Font size is outside the range of 8 points to 48 points
  - Documents containing special fonts, effects, italics, or hand-written text
  - Documents with patterned backgrounds

(2) Save Settings Area

File Name

Enter the file name of the image to be saved. When you save a file, the date and four digits are appended to the set file name in the "_20XX0101_0001" format.

Note

- When you select the **Save to a subfolder with current date** checkbox, the date and four digits are appended to the set file name.

Save in

Displays the folder in which to save the scanned images. To change the folder, specify the destination folder in the dialog displayed by selecting **Add...** from the pop-up menu.

The default save folder is the **Pictures** folder.

Data Format

Set from the operation panel.

JPEG Image Quality

You can specify the image quality of JPEG files.

Create a PDF file that supports keyword search

Select this checkbox to convert text in images into text data and create PDF files that support keyword search.

Note

- PDF files that are searchable in the language selected in **Document Language** on the (General Settings) tab of the Settings dialog are created.

Save to a subfolder with current date

Select this checkbox to create a current date folder in the folder specified in **Save in** and save scanned images in it. The folder will be created with a name such as "20XX_01_01" (Year_Month_Date).

If this checkbox is not selected, files are saved directly in the folder specified in **Save in**.

(3) Application Settings Area

E-mail Client

Specify the e-mail client to use for attaching scanned images.

You can specify the e-mail client you want to start from the pop-up menu.

Note

- Specify the e-mail client in the dialog displayed by selecting **Add...** from the pop-up menu.

Instructions

Opens this guide.

Defaults

You can restore the settings in the displayed screen to the default settings.

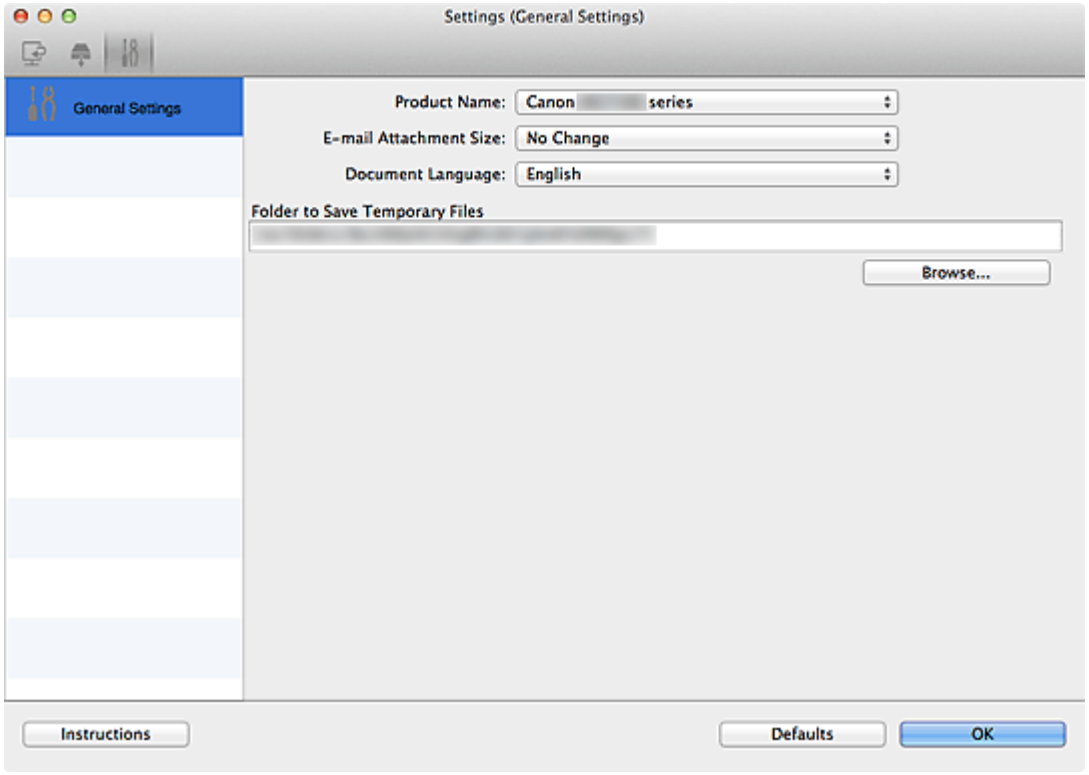
Settings (General Settings) Dialog

Click the (General Settings) tab to display the **Settings (General Settings)** dialog.

In the **Settings (General Settings)** dialog, you can set the product to use, file size restriction on e-mail attachment, language to detect text in images, and folder in which to save images temporarily.

Important

- When the Settings dialog is displayed from My Image Garden, some options may not appear.



Product Name

Displays the name of the product that IJ Scan Utility is currently set to use.

If the displayed product is not the one you want to use, select the desired product from the list.

In addition, for network connection, select one with "Network" after the product name.

Note

- With network connection, **Select** appears on the right side of the product name. Click **Select** to display the network selection screen in which you can change the scanner to use. Refer to "Network Scan Settings" for the setting procedure.

E-mail Attachment Size

You can restrict the size of scanned images to be attached to an e-mail.
You can select **Small (Suitable for 640 x 480 Windows)**, **Medium (Suitable for 800 x 600 Windows)**, **Large (Suitable for 1024 x 768 Windows)**, or **No Change**.

Document Language

Select the language for detecting text in images.

Folder to Save Temporary Files

Displays the folder in which to save images temporarily. Click **Browse...** to specify the destination folder.

Instructions

Opens this guide.

Defaults

You can restore the settings in the displayed screen to the default settings.

Network Selection Screen

You can select the scanners or printers to be used for scanning or printing over a network from your computer or the operation panel.

Network Selection Screen

In **Product Name** in the **Settings (General Settings)** dialog, select an item with "Network" after the product name from the list, then click **Select** that appears to the right of the product name to display the network selection screen.

Scanners

The Bonjour service names of the scanners or printers that can be used over the network are displayed.

You can select one scanner or printer per model. Selecting a scanner or printer automatically enables scanning from the operation panel.

Important

- You cannot use over the network if Bonjour is disabled. Enable Bonjour on your scanner or printer.
- If you have changed the Bonjour service name after selecting your scanner or printer by Bonjour service name, reopen the network selection screen and select the new Bonjour service name from **Scanners**.

Instructions

Opens this guide.

Scan-from-Operation-Panel Settings

The Scan-from-Operation-Panel Settings screen appears. You can select up to three scanners and printers in total for scanning from the operation panel. You can scan items using the operation panel of the selected scanner or printer, and send the scanned images to your computer over a network.

Important

- When using a model with which you cannot scan over a network from the operation panel, that model does not appear in **Scanners** and the setting is not available.

Scan-from-Operation-Panel Settings Screen

Click **Scan-from-Operation-Panel Settings** in the network selection screen to display the Scan-from-Operation-Panel Settings screen.

Scanners

The Bonjour service names of the scanners or printers that can be used over the network are displayed.
You can select up to three scanners and printers in total at the same time.

Important

- You cannot use over the network if Bonjour is disabled. Enable Bonjour on your scanner or printer.

- If you have changed the Bonjour service name after selecting your scanner or printer by Bonjour service name, reopen the network selection screen and select the new Bonjour service name from **Scanners**.

Note

- If the Bonjour service name of your scanner or printer does not appear or cannot be selected, check the following, click **OK** to close the screen, then reopen it and try selecting again.
  - The scanner driver is installed
  - Network settings of your scanner or printer is completed after installing the scanner driver
  - Network communication between your scanner or printer and computer is enabled
    If your scanner or printer still does not appear, refer to "Problems with Network Communication" for your model from Home of the *Online Manual*.

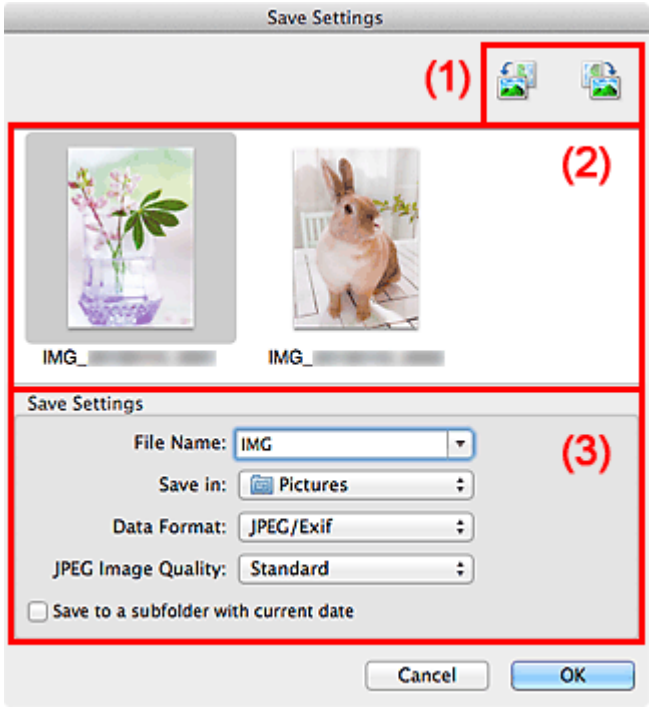
Save Settings Dialog

Select the **Check scan results** checkbox in **Save Settings** of the Settings dialog to display the **Save Settings** dialog after scanning.

You can specify the data format and destination while viewing the thumbnails of scan results.

Important

- After scanning from My Image Garden or the operation panel, the **Save Settings** dialog does not appear.



- (1) Preview Operation Buttons
- (2) Scan Results Area
- (3) Save Settings Area

(1) Preview Operation Buttons

/ (Rotate Left 90°)/(Rotate Right 90°)

Rotates scanned images 90 degrees counter-clockwise or clockwise.

Select the image you want to rotate, then click (Rotate Left 90°) or (Rotate Right 90°).

Important

- The preview operation buttons do not appear when the **Enable large image scans** checkbox is selected in the **Settings (Driver)** dialog.

(2) Scan Results Area

Displays the thumbnails of the scanned images. You can change the save order of images via drag-and-drop. The file names for saving appear below the thumbnails.

(3) Save Settings Area

File Name

Enter the file name of the image to be saved. When you save a file, the date and four digits are appended to the set file name in the "_20XX0101_0001" format.

Note

- When you select the **Save to a subfolder with current date** checkbox, the date and four digits are appended to the set file name.

Save in

Displays the folder in which to save the scanned images. To change the folder, specify the destination folder in the dialog displayed by selecting **Add...** from the pop-up menu.

The default save folder is the **Pictures** folder.

Data Format

Select the data format in which to save the scanned images.

You can select **JPEG/Exif**, **TIFF**, **PNG**, **PDF**, or **PDF (Multiple Pages)**.

Important

- You cannot select **PDF** or **PDF (Multiple Pages)** in the following cases.
  - When scanned by clicking **Photo** in the IJ Scan Utility main screen
  - The **Enable large image scans** checkbox is selected in **Save Settings** of the **Settings (Driver)** dialog
  - **Start OCR** is selected in **Application Settings** of the **Settings (Document Scan)**, **Settings (Custom Scan)**, or **Settings (Driver)** dialog
- You cannot select **JPEG/Exif** when **Color Mode** is **Black and White**.

Note

- With network connection, scanning may take longer than usual when you set **TIFF** or **PNG** in **Data Format**.

JPEG Image Quality

You can specify the image quality of JPEG files.

Important

- This appears only when **JPEG/Exif** is selected in **Data Format**.

PDF Compression

Select the compression type for saving PDF files.

Standard

It is recommended that you normally select this setting.

High

Compresses the file size when saving, allowing you to reduce the load on your network/server.

Important

- This appears only when **PDF** or **PDF (Multiple Pages)** is selected in **Data Format**.
- When **Black and White** is selected in **Color Mode**, this option does not appear.

Create a PDF file that supports keyword search

Select this checkbox to convert text in images into text data and create PDF files that support keyword search.

Important

- This appears only when **PDF** or **PDF (Multiple Pages)** is selected in **Data Format**.

Note

- PDF files that are searchable in the language selected in **Document Language** on the (General Settings) tab of the Settings dialog are created.

Save to a subfolder with current date

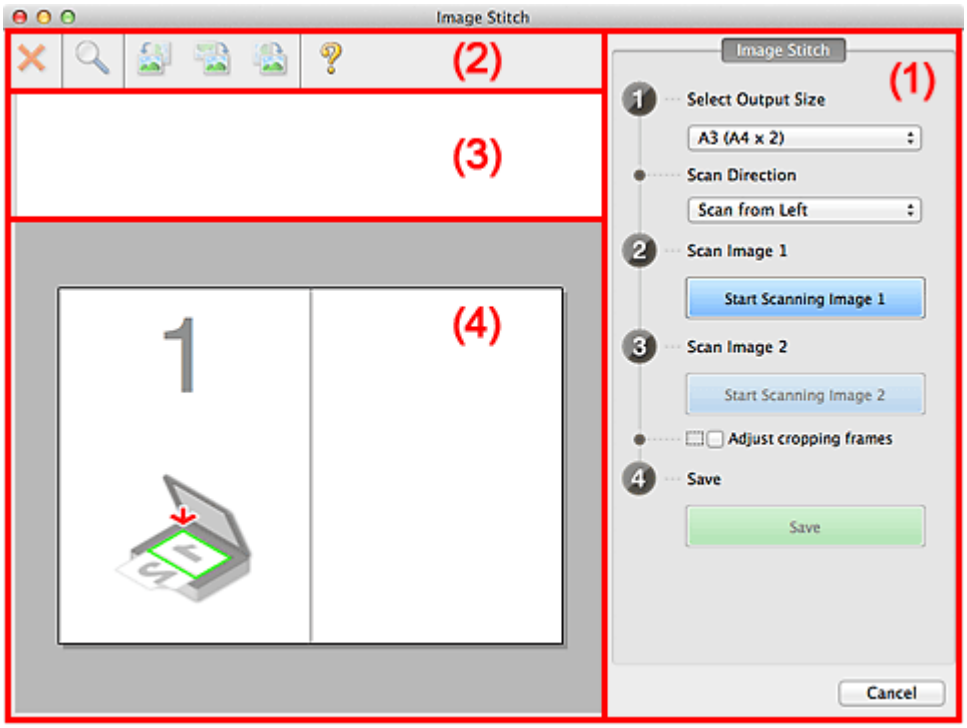
Select this checkbox to create a current date folder in the folder specified in **Save in** and save scanned images in it. The folder will be created with a name such as "20XX_01_01" (Year_Month_Date).

If this checkbox is not selected, files are saved directly in the folder specified in **Save in**.

Image Stitch Window

Click **Stitch** in the IJ Scan Utility main screen to display the **Image Stitch** window.

You can scan the left and right halves of an item larger than the platen and combine them back into one image. You can scan items up to approximately twice as large as the platen.



- (1) Settings and Operation Buttons
- (2) Toolbar
- (3) Thumbnail View Area
- (4) Preview Area

Note

- The displayed items vary depending on the select source and view.

(1) Settings and Operation Buttons

Select Output Size

B4 (B5 x 2)

Scans the left and right halves of a B4 size item separately.

A3 (A4 x 2)

Scans the left and right halves of an A3 size item separately.

11 x 17 (Letter x 2)

Scans the left and right halves of an item twice as large as Letter size separately.

Full Platen x 2

Scans the left and right halves of an item twice as large as the platen separately.

Scan Direction

Scan from Left

Displays the first scanned image on the left side.

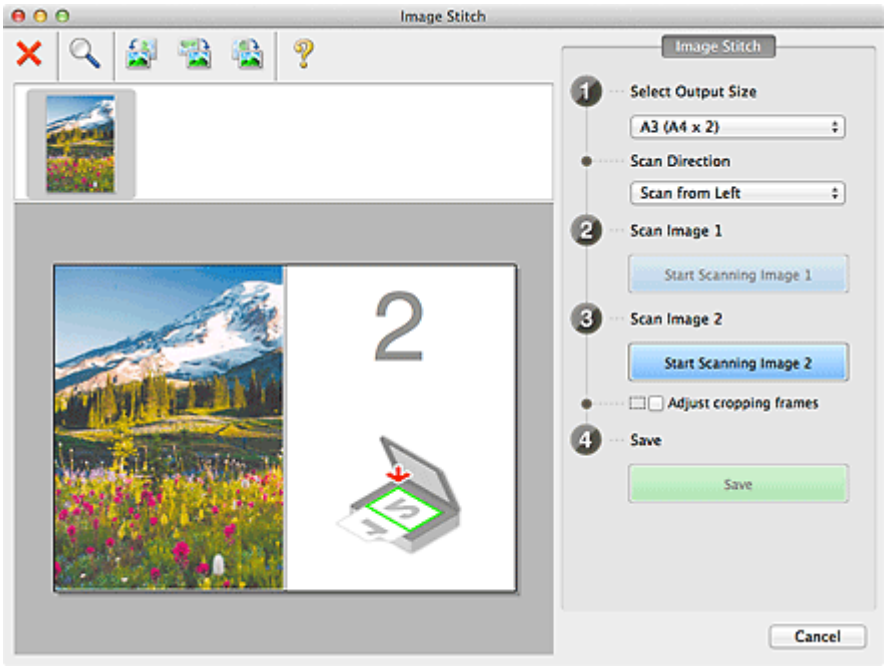
Scan from Right

Displays the first scanned image on the right side.

Scan Image 1

Start Scanning Image 1

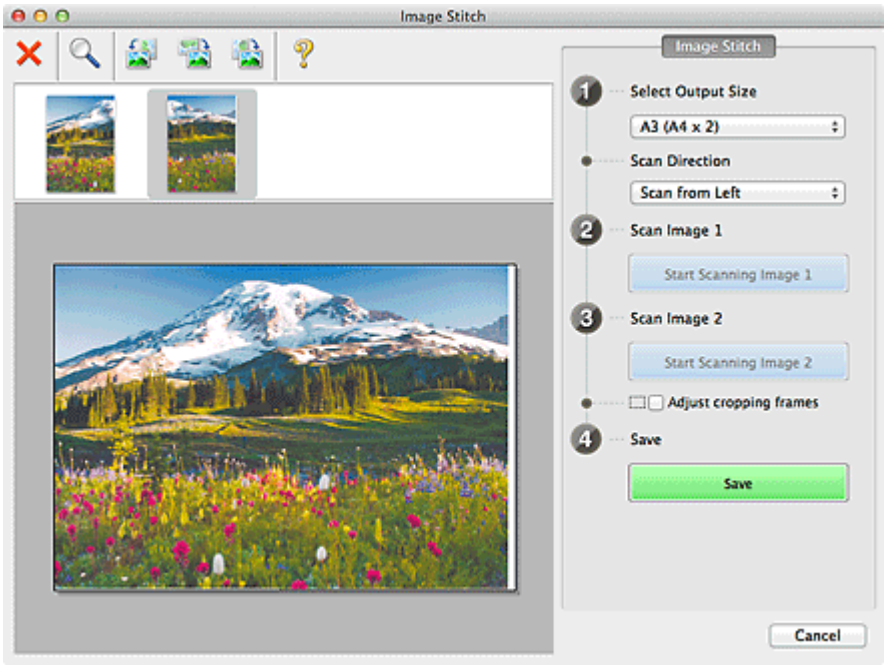
Scans the first item.



Scan Image 2

Start Scanning Image 2

Scans the second item.



Adjust cropping frames

You can adjust the scan area in preview.

If no area is specified, the image of the size selected in **Select Output Size** will be saved. If an area is specified, only the image in the cropping frame will be scanned and saved.

Adjusting Cropping Frames in the **Image Stitch** Window

Save

Save

Saves the two scanned images as one image.

Cancel

Cancels **Stitch** scan.

(2) Toolbar

You can delete the scanned images or adjust the previewed images.

(Delete)

Deletes the scanned image.

(Enlarge/Reduce)

Allows you to enlarge or reduce the preview image.

Left-clicking the Preview area enlarges the displayed image.

Control-clicking the Preview area reduces the displayed image.

(Rotate Left)

Rotates the preview image 90 degrees counter-clockwise.

(Invert Vertically)

Rotates the preview image 180 degrees.

(Rotate Right)

Rotates the preview image 90 degrees clockwise.

(Open Guide)

Opens this page.

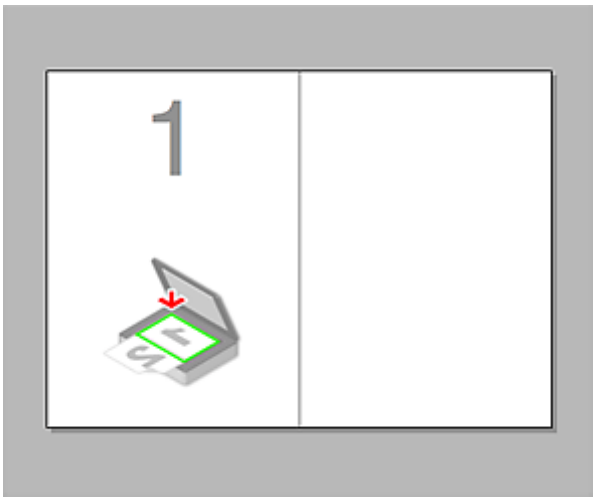
(3) Thumbnail View Area

Displays the thumbnails of the scanned images. Appears blank if none has been scanned.

(4) Preview Area

Displays the scanned images. You can adjust the layout by dragging the scanned image or check the results of the settings made in "(1) Settings and Operation Buttons."

When no image has been scanned:



After scanning the first item by clicking Start Scanning Image 1:

The image is scanned in the direction specified in **Scan Direction**, and **2** appears next to it.

After scanning the second item by clicking Start Scanning Image 2:

The two scanned images appear.

Related Topic

- Scanning Items Larger than the Platen (Image Stitch)

Scanning with Scanner Driver

You can scan by starting the scanner driver from various applications.

Refer to Help of Mac OS for how to scan.

Important

- When scanning with the scanner driver in Mac OS X v10.6.8, select **JPEG** or **TIFF** in **Format**. Scanned images are saved in the format set in **Data Format** in the **Settings (Driver)** dialog of IJ Scan Utility.

Note

- Refer to "Image Corrections and Color Adjustments" for details on the setting procedures for image correction and color adjustment.
- Refer to "General Notes (Scanner Driver)" for the scanner driver.
- Refer to "Updating the Scanner Driver" for the scanner driver.
- In the **Settings (Driver)** dialog of IJ Scan Utility, you can also make advanced settings for scanning with the scanner driver.

Image Corrections and Color Adjustments

You can correct images and adjust colors using the scanner driver.

Important

- When image correction or color adjustment is applied to items without moire, dust/scratches, or faded colors, the color tone may be adversely affected.
- Image correction results are not reflected in the trial scan screen.

Note

- Screens may vary depending on the application.
- Selectable settings depend on **Kind** settings.
- Scanning may take longer than usual when image correction or color adjustment is applied.

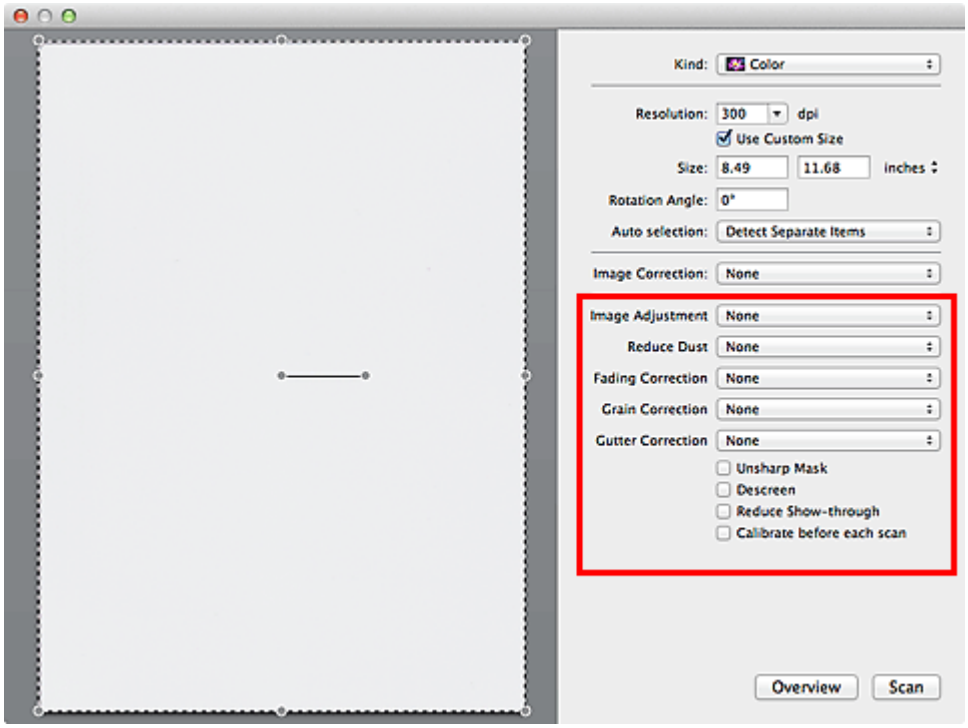


Image Adjustment

When Image Adjustment is set, the brightness of the specified portion of the image is optimized. Images can be adjusted according to the automatically detected item type or the specified item type. The result of the adjustment will be reflected in the entire image.

None

Image Adjustment will not be applied.

Auto

Applies Image Adjustment by automatically detecting the item type. It is recommended that you normally select this setting.

Photo

Applies Image Adjustment suitable for photos.

Magazine

Applies Image Adjustment suitable for magazines.

Document

Applies Image Adjustment suitable for text documents.

Note

- If the image is not adjusted properly with **Auto**, specify the item type.
- The color tone may change from the source image due to the Image Adjustment. In that case, set **Image Adjustment** to **None**.

Reduce Dust

Scanned photos may contain white dots caused by dust or scratches. Use this function to reduce such noise.

None

Dust and scratches will not be reduced.

Low

Select this to reduce small dust particles and scratches. Large ones may remain.

Medium

It is recommended that you normally select this setting.

High

Select this to reduce large dust particles and scratches; however, evidence of the reduction process may remain or delicate parts of the image may be removed.

Important

- This function may not be effective for some types of photos.

Note

- It is recommended that you select **None** when scanning printed materials.

Fading Correction

Use this function to correct photos that have faded with time or have a colorcast. "Colorcast" is a phenomenon where a specific color affects the entire picture due to the weather or ambient strong colors.

None

Fading Correction will not be applied.

Low

Select this to correct a small amount of fading and colorcast.

Medium

It is recommended that you normally select this setting.

High

Select this to correct a large amount of fading and colorcast. This can affect the tone of the image.

Important

- Correction may not be applied properly if the scan area is too small.
- Not effective if **Color** is not selected for **Kind**.

Grain Correction

Use this function to reduce graininess (roughness) in photos taken with high-speed or sensitized film, etc.

None

Graininess will not be reduced.

Low

Select this when the photo is slightly grainy.

Medium

It is recommended that you normally select this setting.

High

Select this when the photo is very grainy. This can affect the gradation and sharpness of the image.

Important

- Correction may not be applied properly if the scan area is too small.

Gutter Correction

Use this function to correct shadows that appear between pages when scanning open booklets.

Unclear or blurred text/lines caused by curved pages are not corrected.

None

Gutter shadow will not be corrected.

Low

Select this when the effect level is too strong with the medium setting.

Medium

It is recommended that you normally select this setting.

High

Select this when the effect level is too weak with the medium setting.

Important

- Do not place objects that weigh 4.4 lbs (2.0 kg) or more on the platen. In addition, do not press on the item with a force exceeding 4.4 lbs (2.0 kg). If you press heavily, the scanner may not work correctly or you might break the glass.
- Align the item with the edge of the platen. If placed slanted, correction will not be applied properly.

- Correction may not be applied properly depending on the item. If the page background is not white, shadows may not be detected correctly or may not be detected at all.
- While scanning, press down on the spine with the same amount of pressure you used to preview the scan. If the binding part is not even, correction will not be applied properly.

- How to place the item depends on your model and the item to be scanned.

Unsharp Mask

Emphasizes the outline of the subjects to sharpen the image.

Descreen

Reduces moire patterns.

Printed materials are displayed as a collection of fine dots. "Moire" is a phenomenon where uneven gradation or a stripe pattern appears when such photos or pictures printed with fine dots are scanned.

Important

- When enabling **Descreen**, disable **Unsharp Mask**. If **Unsharp Mask** is enabled, some moire effects may remain.

Note

- Scanning takes longer than usual when you enable **Descreen**.

Reduce Show-through

Use this function to reduce show-through in duplex documents or lighten the base color in recycled paper and other colored paper when scanning documents.

Important

- **Reduce Show-through** is effective only when **Document** or **Magazine** is selected for **Image Adjustment**.

Calibrate before each scan

Calibrates the scanner every time before trial scanning and scanning, to reproduce correct color tones in scanned images.

Note

- Calibration may take time depending on your computer.

General Notes (Scanner Driver)

The scanner driver is subject to the following restrictions. Keep these points in mind when using the scanner driver.

Scanner Driver Restrictions

- If the computer is shared among multiple users or when you have logged out and back on, a message indicating that the scanner driver is in use may appear. In that case, disconnect the USB cable from the computer, then reconnect it.
- Scanning may fail if the computer has resumed from sleep state with the scanner driver active. In that case, follow these steps and scan again.
  1. Turn off the machine.
  2. Exit the scanner driver, then disconnect the USB cable from the computer and reconnect it.
  3. Turn on the machine.
- Do not connect two or more scanners or multifunction printers with scanner function to the same computer simultaneously. If multiple scanning devices are connected, you cannot scan from the operation panel of the machine and also may experience errors while accessing the devices.
- When using a network compatible model by connecting to a network, the machine cannot be accessed from multiple computers at the same time.
- When using a network compatible model by connecting to a network, scanning takes longer than usual.
- Make sure that you have adequate disk space available when scanning large images at high resolutions. For example, at least 300 MB of free space is required to scan an A4 document at 600 dpi in full-color.
- Do not enter the computer into sleep or hibernate state during scanning.

Updating the Scanner Driver

- Obtaining the Latest Scanner Driver
- Before Installing the Scanner Driver
- Installing the Scanner Driver

Obtaining the Latest Scanner Driver

Upgrading your current scanner driver to the latest scanner driver may solve some problems you have experienced.

To obtain the scanner driver, access our website and download the scanner driver for your model.

Important

- Scanner driver can be downloaded for free; however, Internet connection fees apply.

Related Topic

- Before Installing the Scanner Driver
- Installing the Scanner Driver

Before Installing the Scanner Driver

Check the following points before installing the scanner driver. Check these also when you cannot install the scanner driver.

Machine Status

- If the machine and computer are connected with a USB cable, disconnect the USB cable from the computer.

Computer Settings

- Close all running applications.
- Log in as the administrator of the computer. You will be required to enter the name and password of the user with administrator privileges. If you have multiple user accounts on Mac OS X, log in with the first administrator account created.

Important

- If you install an older version of the scanner driver after installing a newer one, the scanner driver may not operate properly. In that case, reinstall the newer scanner driver.

Note

- When installing multiple versions of the scanner driver, install the older scanner driver first.

Related Topic

- Obtaining the Latest Scanner Driver
- Installing the Scanner Driver

Installing the Scanner Driver

Access our website via the Internet to download the latest scanner driver.

Follow these steps to install the downloaded scanner driver.

1. Mount the disk.

   Double-click the downloaded disk image file.

   The file is decompressed and the disk is mounted.

2. Start the installer.

   Double-click the ".pkg" file in the decompressed disk.

   Installation starts.

3. Install the driver.

   Follow the prompts to install.

   When the license agreement screen appears, read the terms and click **Continue**. If you do not accept the license agreement, you cannot install this software.

   If an authentication screen appears, enter the administrator's name and password, then click **Install Software**.

4. Complete the installation.

   The scanner driver is installed.

   Set up the network environment if you have more than one scanner or have a network compatible model and changed the connection from USB connection to network connection.

   Refer to "Network Scan Settings" for the setting procedure.

Important

- Installation may fail if you click **Go Back** during the process. In that case, select **Quit Installer** from the **Installer** menu to exit the installer, then start over the installation.
- Scanner driver can be downloaded for free; however, Internet connection fees apply.

Related Topic

- Obtaining the Latest Scanner Driver
- Before Installing the Scanner Driver

Useful Information on Scanning

- Adjusting Cropping Frames in the Image Stitch Window
- Resolution
- Data Formats

Adjusting Cropping Frames in the Image Stitch Window

"Cropping" is the act of selecting the area you want to keep in an image and discarding the rest when scanning it.

In the **Image Stitch** window, you can specify a cropping frame on the image displayed in the Preview area.

Note

- Refer to Help of Image Capture for how to adjust the cropping frames (selection boxes) in the screen displayed by clicking **Driver** in the IJ Scan Utility main screen.

Initial Cropping Frame

No cropping frame is specified. When you select the **Adjust cropping frames** checkbox, an active cropping frame is automatically specified around the image in the Preview area. You can drag the cropping frame to specify the area.

When you perform a scan, the image in the area specified with the cropping frame will be scanned.

Adjusting a Cropping Frame

The cursor will change into ↔↕↘↙ (Arrow) when it is positioned over a cropping frame. Click and drag the mouse to expand or contract the cropping frame.

The cursor will change into (Hand) when it is positioned within a cropping frame. Click and drag the mouse to move the entire cropping frame.

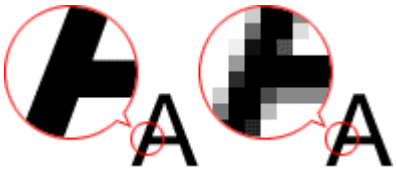
Deleting Cropping Frames

To delete the cropping frame, deselect the **Adjust cropping frames** checkbox.

Resolution

The data in the image you have scanned is a collection of dots carrying information about brightness and color. The density of these dots is called "resolution", and resolution will determine the amount of detail your image contains. The unit of resolution is dots per inch (dpi). Dpi is the number of dots per inch (2.5 cm).

The higher the resolution (value), the more detail in your image; the lower the resolution (value), the less detail.



How to Set the Resolution

You can set the resolution in **Resolution** on the (Scanning from a Computer) tab of the Settings dialog.

Appropriate Resolution Settings

Set the resolution according to the use of the scanned image.

Item Type	Use	Color Mode	Appropriate Resolution
Color photo	Copying (Printing)	Color	300 dpi
	Creating a postcard	Color	300 dpi
	Saving to a computer	Color	300 dpi
	Using on a website or attaching to e-mail	Color	150 dpi
Black and white photo	Saving to a computer	Grayscale	300 dpi
	Using on a website or attaching to e-mail	Grayscale	150 dpi
Text document (document or magazine)	Copying	Color, Grayscale, or Black and White	300 dpi
	Attaching to e-mail	Color, Grayscale, or Black and White	150 dpi
	Scanning text using OCR	Color or Grayscale	300 dpi

Important

- If you double the resolution, the data size of the scanned image quadruples. If the file is too large, the processing speed will slow down significantly, and you will experience inconvenience such as lack of memory. Set the minimum required resolution according to the use of the image.

Note

- When you will be printing the scanned image by enlarging it, scan by setting a higher resolution than the recommended one above.

Data Formats

You can select a data format when saving scanned images. You should specify the most suitable data format according to how you want to use the image on which application.

Available data formats vary by application and operating system (Windows or Mac OS).

See below for the characteristics of each image data format.

PNG (Standard File Extension: .png)

A data format often used on websites.

PNG is suitable for editing saved images.

JPEG (Standard File Extension: .jpg)

A data format often used on websites and for digital camera images.

JPEG features high compression rates. JPEG images slightly degrade every time they are saved, and cannot be returned to their original state.

JPEG is not available for black and white images.

TIFF (Standard File Extension: .tif)

A data format featuring a relatively high compatibility between various computers and applications.

TIFF is suitable for editing saved images.

Note

- Some TIFF files are incompatible.
- IJ Scan Utility supports the following TIFF file formats.
  - Uncompressed, black and white binary
  - Uncompressed, RGB (8 bits per channel)
  - Uncompressed, Grayscale

PDF (Standard File Extension: .pdf)

A data format for electronic documents, developed by Adobe Systems Incorporated.

It can be used on various computers and operating systems, and fonts can be embedded as well; therefore, people in different environments can exchange the files without being aware of the differences.

Placing Items (When Scanning from a Computer)

Learn how to place items on the platen of your scanner or printer. Place items correctly according to the type of item to be scanned. Otherwise, items may not be scanned correctly.

Important

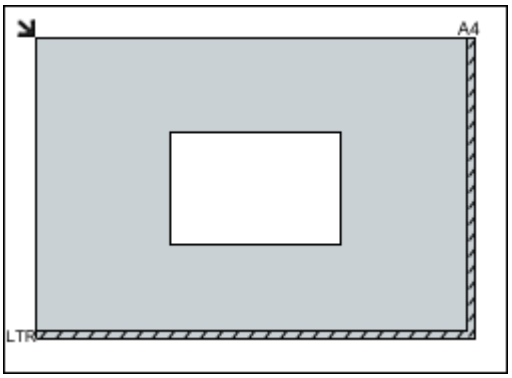
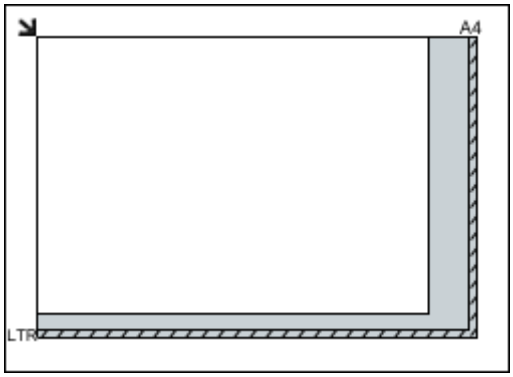
- Do not place objects on the document cover. When you open the document cover, the objects may fall into your scanner or printer, resulting in malfunction.
- Close the document cover when scanning.

Placing Items

Place items as described below to scan by detecting the item type or size automatically.

Important

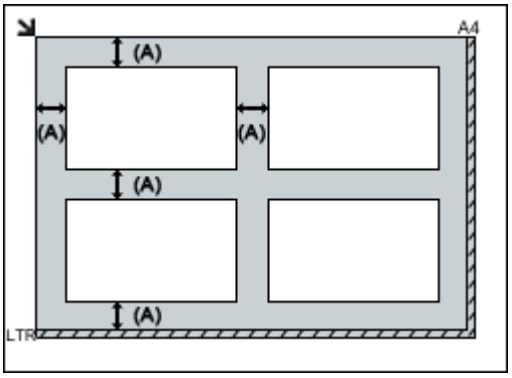
- When scanning by specifying the paper size in IJ Scan Utility or the scanner driver, align an upper corner of the item with the corner at the arrow (alignment mark) of the platen.
- Photos that have been cut to various shapes and items smaller than 1.2 inches (3 cm) square cannot be cropped accurately when scanning.
- Reflective disc labels may not be scanned as expected.
- When scanned using the scanner driver, the response may differ. In that case, adjust the cropping frame (selection box) manually.

For Photos, Postcards, Business Cards, or BD/DVD/CD	For Magazines, Newspapers, or Documents
Placing a Single Item: Place the item face-down on the platen, with 0.4 inch (1 cm) or more space between the edges (diagonally striped area) of the platen and the item. Portions placed on the diagonally striped area cannot be scanned.  **Important** • Large items (such as A4 size photos) that cannot be placed away from the edges/arrow (alignment mark) of the platen may be saved as PDF files. To save in a	Place the item face-down on the platen and align an upper corner of the item with the corner at the arrow (alignment mark) of the platen. Portions placed on the diagonally striped area cannot be scanned.  **Important** • Refer to "Loading Originals" for your model from Home of the *Online Manual* for details on the portions in which items cannot be scanned.

format other than PDF, scan by specifying the data format.

Placing Multiple Items:

Allow 0.4 inch (1 cm) or more space between the edges (diagonally striped area) of the platen and items, and between items. Portions placed on the diagonally striped area cannot be scanned.



(A) more than 0.4 inch (1 cm)

Note

- In IJ Scan Utility, you can place up to 12 items.
- Positions of slanted items (10 degrees or less) are corrected automatically.

Scanning from the Operation Panel of the Machine

- Forwarding Scanned Data to the Computer Using the Operation Panel of the Machine Basic
- Attaching the Scanned Data to E-mail Using the Operation Panel of the Machine
- Setting Items for Scanning Using the Operation Panel of the Machine
- Network Scan Settings
- Selecting a Response to Commands from the Operation Panel Using IJ Scan Utility

Forwarding Scanned Data to the Computer Using the Operation Panel of the Machine

Before forwarding scanned data to the computer, confirm the following:

- **The scanner driver is installed.**

  If the scanner driver is not yet installed, install the scanner driver from our website.

- **The machine is connected to a computer correctly.**

  Make sure that the machine is connected to the computer correctly.

  Do not plug in or unplug the USB cable while the machine is in operation, or when the computer is in the sleep or standby mode.

  If you perform scanning via a network connection, make sure that all the required settings have been specified.

  Network Scan Settings

- **The destination and the file name are specified in Canon IJ Scan Utility.**

  You can specify the destination and the file name in Canon IJ Scan Utility. For details on settings of Canon IJ Scan Utility:

  Settings Dialog

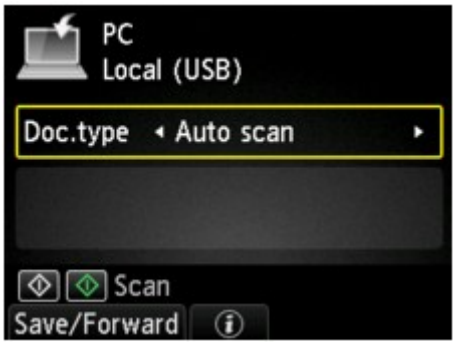
1. Make sure that the machine is turned on.

2. Select **Scan** on the **HOME** screen.

   LCD and Operation Panel

   If you forward the data to the USB-connected computer:

   The Scan standby screen is displayed.

   Go to step 3.

   Note

   - If the screen for selecting to which you save the data is displayed, select **PC** and press the **OK** button, then select **Local (USB)** and press the **OK** button. The Scan standby screen is displayed.

   If you forward the data to the network-connected computer:

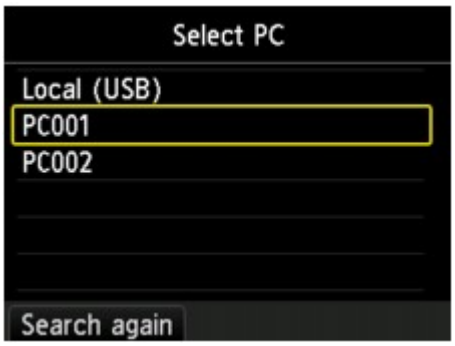
   The screen for selecting to which you save the data is displayed.

Note

- If the Scan standby screen for forwarding the data to the USB-connected computer is displayed on the LCD, press the left **Function** button to display the screen for selecting to which you save the data.

Select the computer to forward the scanned data following the procedure below.

1. Select **PC**, then press the **OK** button.
2. Use the ▲▼ button to select the computer to forward the scanned data, then press the **OK** button.



The Scan standby screen is displayed.

Note

- If you select **Local (USB)** on the **Select PC** screen, the data is forwarded to the USB-connected computer.
- When you forward the scanned data to the computer using WSD (one of the network protocols supported in Windows 8.1, Windows 8, Windows 7, and Windows Vista), select **Enable** for **WSD scan from this device** on **WSD setting** on **Other settings** in **LAN settings** under **Device settings**.

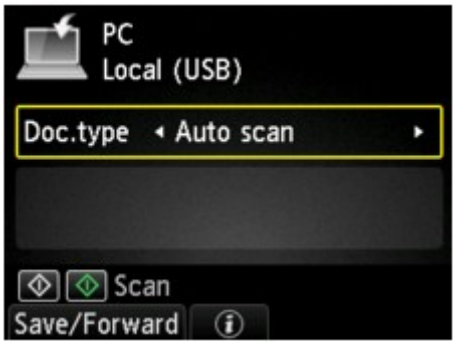
  WSD setting

  If you press the left **Function** button, the machine starts searching for the connected computers again.

3. Use the ◄► button to select the document type.

Note

- When you forward the scanned data to the computer searched using WSD, you cannot select the document type.



Auto scan

This item is available only when the machine is connected to the computer using a USB cable.

The machine detects the type of the originals automatically and the image is forwarded in the optimized size, resolution and data format.

Important

- You can select **Auto scan** only when you forward the scanned data to the USB-connected computer.
- Load originals properly according to their type; otherwise, some originals may not be scanned properly.

  For details on how to load the original:

  Loading Originals
- The following items can be scanned:

  Photos, postcards, visiting cards, magazines, newspapers, documents, BD/DVD/CDs
- The following items cannot be scanned properly.
  - A4 sized photos
  - Documents smaller than 5 inches x 7 inches (127 mm x 178 mm) such as a paperback with its backbone cut off
  - Originals on thin white paper
  - Long and narrow originals such as panoramic photographs

Document

Scans the original on the platen glass as a document data applying the settings specified in **Scan settings**.

Photo

Scans the original on the platen glass as a photo data applying the settings specified in **Scan settings**.

4. Press the right **Function** button to adjust the settings as necessary.

Setting Items for Scanning Using the Operation Panel of the Machine

5. Load the original on the platen glass.

Note

- You can confirm the procedure to load the original by pressing the center **Function** button.

6. Press the **Color** button for color scanning, or the **Black** button for black & white scanning.

Note

- When you forward the scanned data to the computer using WSD, press the **Color** button.

- If you select **JPEG** or **TIFF** for **Format** on the scan setting screen:

  The machine starts scanning and scanned data is forwarded to the computer.

- When you select **PDF** or **Compact PDF** for **Format** on the scan setting screen:

  The confirmation screen asking you if you continue scanning is displayed after scanning is complete.

  If you continue scanning, load the original on the platen glass and start scanning.

  If you do not continue scanning, press the left **Function** button. The scanned data is forwarded to the computer.

Scanned data is forwarded to the computer according to the settings specified in Canon IJ Scan Utility.

Remove the original on the platen glass after scanning is complete.

Important

- If the scanning result with **Auto scan** is not satisfactory, select **Document** or **Photo** according to the original in step 3, then specify the scan size or other setting items in step 4.

If you want to scan originals with advanced settings, or if you want to edit or print the scanned images:

If you scan originals from a computer using My Image Garden, My Image Garden enables you to edit the scanned images, such as optimizing or trimming.

In addition, you can edit or print the scanned images using the compatible application software to make better use of them.

Scanning Photos and Documents

Attaching the Scanned Data to E-mail Using the Operation Panel of the Machine

Before attaching scanned data to an e-mail, confirm the following:

- **The scanner driver is installed.**

  If the scanner driver is not yet installed, install the scanner driver from our website.

- **The machine is connected to a computer correctly.**

  Make sure that the machine is connected to the computer correctly.

  Do not plug in or unplug the USB cable while the machine is in operation, or when the computer is in the sleep or standby mode.

  If you perform scanning via a network connection, make sure that all the required settings have been specified.

  Network Scan Settings

- **The mail software and the file name are specified in Canon IJ Scan Utility.**

  You can specify the destination and the file name in Canon IJ Scan Utility. For details on settings of Canon IJ Scan Utility:

  Settings Dialog

1. Make sure that the machine is turned on.

2. Select **Scan** on the **HOME** screen.

   LCD and Operation Panel

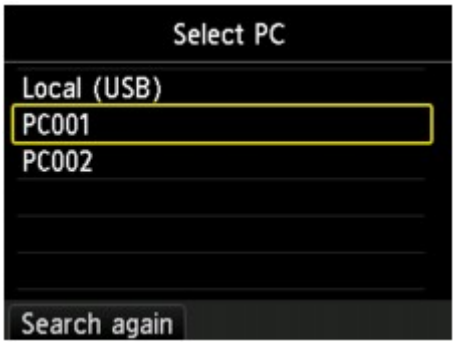
   The screen for selecting to which you save the data is displayed.

   Note

   - If the Scan standby screen for forwarding the data to the USB-connected computer is displayed on the LCD, press the left **Function** button to display the screen for selecting to which you save the data.

3. Select **Attach to E-mail**, then press the **OK** button.

4. Use the ▲▼ button to select the computer to forward the scanned data, then press the **OK** button.



Select **Local (USB)** for a USB-connected computer, or select the computer to forward the scanned data for a network-connected computer.

The Scan standby screen is displayed.

5. Use the ◄► button to select the document type.

Document

Scans the original on the platen glass as a document data applying the settings specified in **Scan settings**.

Photo

Scans the original on the platen glass as a photo data applying the settings specified in **Scan settings**.

6. Press the right **Function** button to specify the settings as necessary.

Setting Items for Scanning Using the Operation Panel of the Machine

7. Load the original on the platen glass.

Note

- You can confirm the procedure to load the original by pressing the center **Function** button.

8. Press the **Color** button for color scanning, or the **Black** button for black & white scanning.

- If you select **JPEG** for **Format** on the scan setting screen:

  The machine starts scanning and scanned data is forwarded to the computer and attached to an e-mail.

- If you select **PDF** or **Compact PDF** for **Format** on the scan setting screen:

The confirmation screen asking you if you continue scanning is displayed after scanning is complete.

If you continue scanning, load the original on the platen glass and start scanning.

If you do not continue scanning, press the left **Function** button. The scanned data is forwarded to the computer and attached to an e-mail.

Scanned data is forwarded to the computer and attached to an e-mail according to the settings specified in Canon IJ Scan Utility.

For the settings or how to send an e-mail, refer to the mail software's instruction manual.

Remove the original on the platen glass after scanning is complete.

Setting Items for Scanning Using the Operation Panel of the Machine

You can change the scan settings such as the scan size, resolution, or data format.

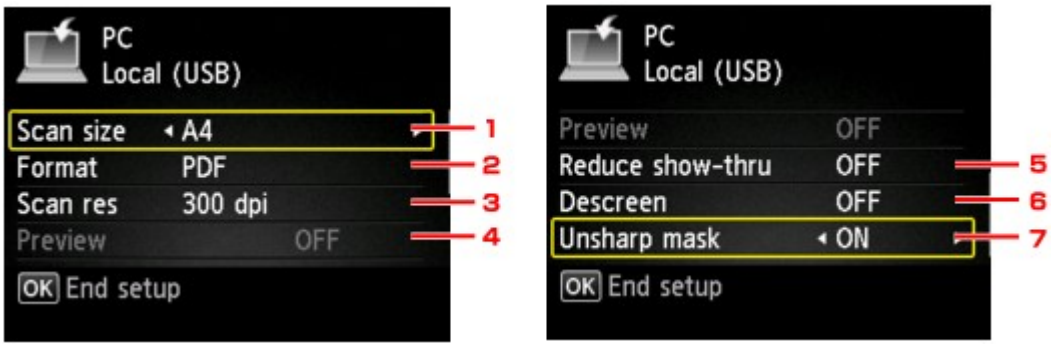
When the Scan standby screen is displayed, press the right **Function** button to select the setting item. Use the ▲▼ button to select the setting item, use the ◄► button to specify the setting, then press the **OK** button.

Note

- The scan setting cannot be specified under the following conditions:
  - When **Auto scan** is selected for **Doc.type** to forward the scanned data to the computer
  - When you forward the scanned data to the computer using WSD (one of the network protocols supported in Windows 8.1, Windows 8, Windows 7, and Windows Vista)
- The setting item which cannot be selected is displayed grayed out.
- Some settings cannot be specified in combination with the setting of other setting item, the document type selected for **Doc.type**, or the scan menu on the screen for selecting to which you save the data. If the setting which cannot be specified in combination is selected, **Error details** is displayed on the LCD. In this case, press the left **Function** button to confirm the message, then change the setting.
- The specified scan settings such as the scan size, resolution, and data format are retained even if the machine is turned off.
- When scanning starts in the scan menu that is not available with the specified setting, **The specified function is not available with current settings.** is displayed on the LCD. Change the setting, following the on-screen instructions.
- When you forward the scanned data to the computer or attach the data to an e-mail, you can specify the destination and file name using Canon IJ Scan Utility.

  Settings Dialog
- If you scan originals from the computer, you can scan with advanced settings. For details on scanning from the computer:

  Scanning Photos and Documents



1. **Scan size**

   Select the size of the original.

2. **Format**

   Select the data format of the scanned data.

3. **Scan res** (Scan resolution)

   Select the resolution for scanning.

4. **Preview**

   This setting is not available.

5. **Reduce show-thru** (Reducing show-through)

   Characters on the back may show through when scanning a thin document such as a newspaper. Select **ON** if characters seem to show through on the scanned document.

   This setting item is not available when **Photo** is selected for **Doc.type**.

6. **Descreen**

   A printout consists of minute dots to make characters or graphs. Interfering with each dot may result in uneven shades or a striped pattern. Select **ON** if you notice any uneven shades or a striped pattern on the scanned image.

   This setting item is not available when **Photo** is selected for **Doc.type**.

   Note

   - Even if **ON** is selected for this setting, some moire effects may remain if **Unsharp mask** is set to **ON**. In that case, select **OFF** for **Unsharp mask**.

7. **Unsharp mask**

   The outline of small characters or thin objects such as a hair or leaves on a photo can be accentuated. Select **ON** if you want to accentuate the outline of the scanned data.

Network Scan Settings

You can connect your scanner or printer to a network to share it among multiple computers or scan images into a specified computer.

Important

- Multiple users cannot scan at the same time.
- To scan over a network, enable Bonjour on your scanner or printer.

Note

- Complete the network settings of your scanner or printer beforehand by following the instructions on the web page.
- With network connection, scanning takes longer than USB connection.

Setting for Scanning with IJ Scan Utility

In the IJ Scan Utility main screen, select your scanner or printer that is connected to a network.

1. Start IJ Scan Utility.

2. Select "Canon XXX series Network" (where "XXX" is the model name) for **Product Name**.

   You can scan via a network connection.

   Note

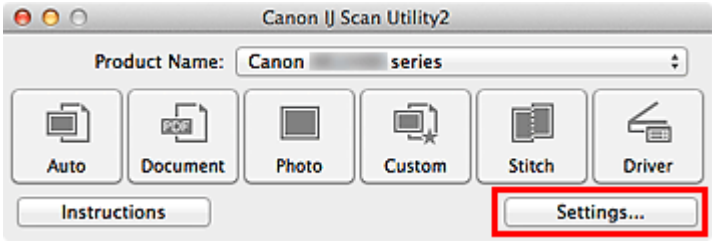
   - If you cannot scan, check that your scanner or printer is selected in the network selection screen.
   - For USB connection, select "Canon XXX series" (where "XXX" is the model name) for **Product Name**.

Setting for Scanning from the Operation Panel

You can make the setting for scanning from the operation panel.

1. Start IJ Scan Utility.

2. Click **Settings...**.



   The Settings dialog appears.

3. Click the (General Settings) tab.

The **Settings (General Settings)** dialog appears.

4. In **Product Name**, select an item with "Network" after the product name, then click **Select** that appears to its right.

   The network selection screen appears.

5. Click **Scan-from-Operation-Panel Settings**.

   The Scan-from-Operation-Panel Settings screen appears.

6. Select your scanner or printer from **Scanners** and click **OK**.

7. Return to the network selection screen, then click **OK**.

   The IJ Scan Utility main screen reappears. You can scan from the operation panel.

Note

- If the Bonjour service name of your scanner or printer does not appear or cannot be selected, check the following, click **OK** to close the screen, then reopen it and try selecting again.
  - The scanner driver is installed
  - Network settings of your scanner or printer is completed after installing the scanner driver
  - Network communication between your scanner or printer and computer is enabled

  If your scanner or printer still does not appear, refer to "Problems with Network Communication" for your model from Home of the *Online Manual*.

Selecting a Response to Commands from the Operation Panel Using IJ Scan Utility

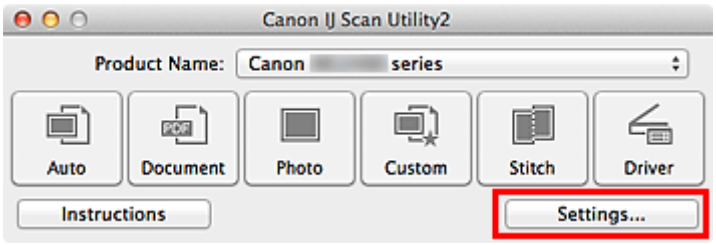
IJ Scan Utility allows you to specify how to respond when scanning from the operation panel.

Note

- The screens for scanning with Auto Scan from the operation panel are used as examples in the following descriptions.

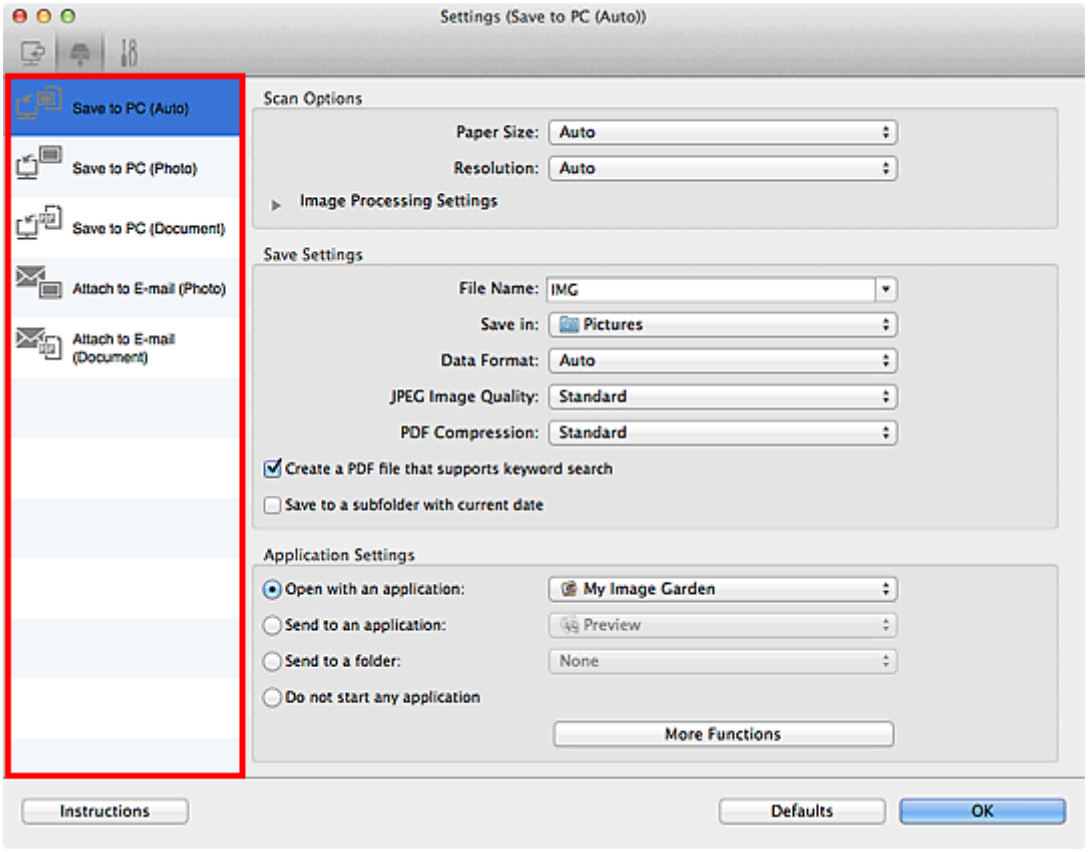
1. Start IJ Scan Utility.

2. Click **Settings...**.



The Settings dialog appears.

3. Select a scan mode on the (Scanning from the Operation Panel) tab.

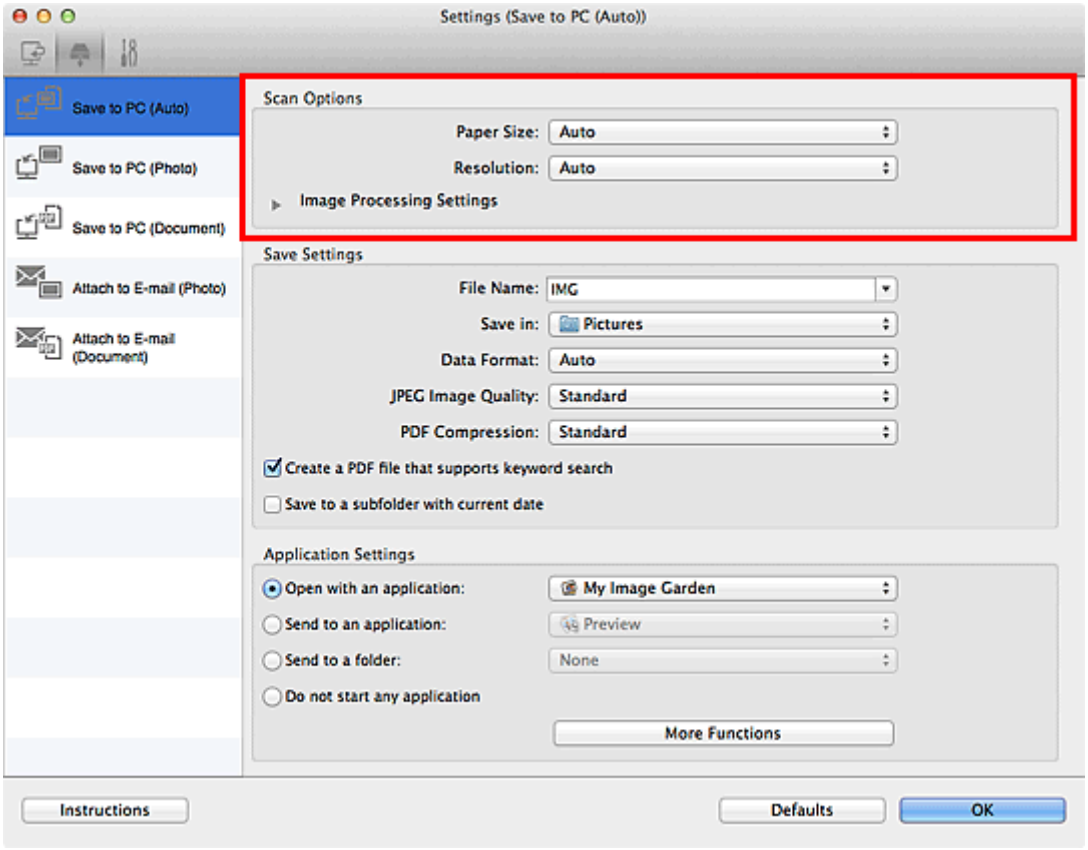


Note

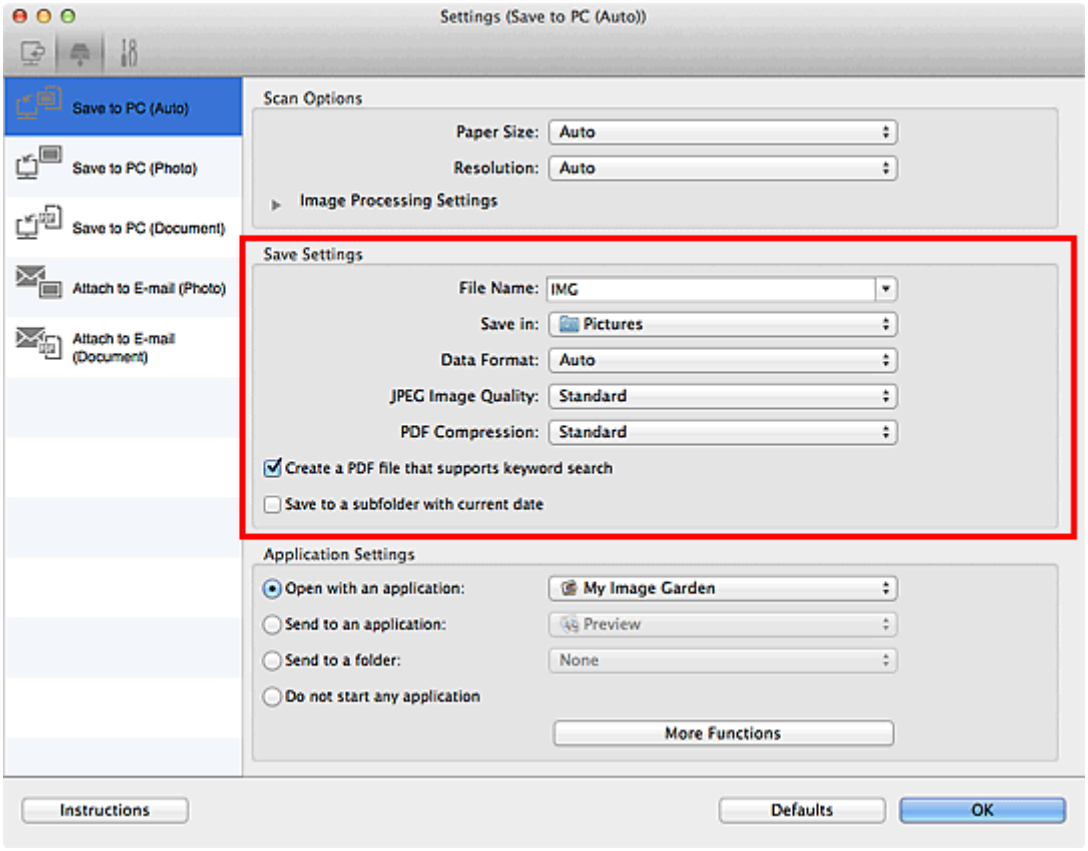
- Refer to the following for details.

- **Settings (Save to PC (Auto))** Dialog
- **Settings (Save to PC (Photo))** Dialog
- **Settings (Save to PC (Document))** Dialog
- **Settings (Attach to E-mail (Photo))** Dialog
- **Settings (Attach to E-mail (Document))** Dialog

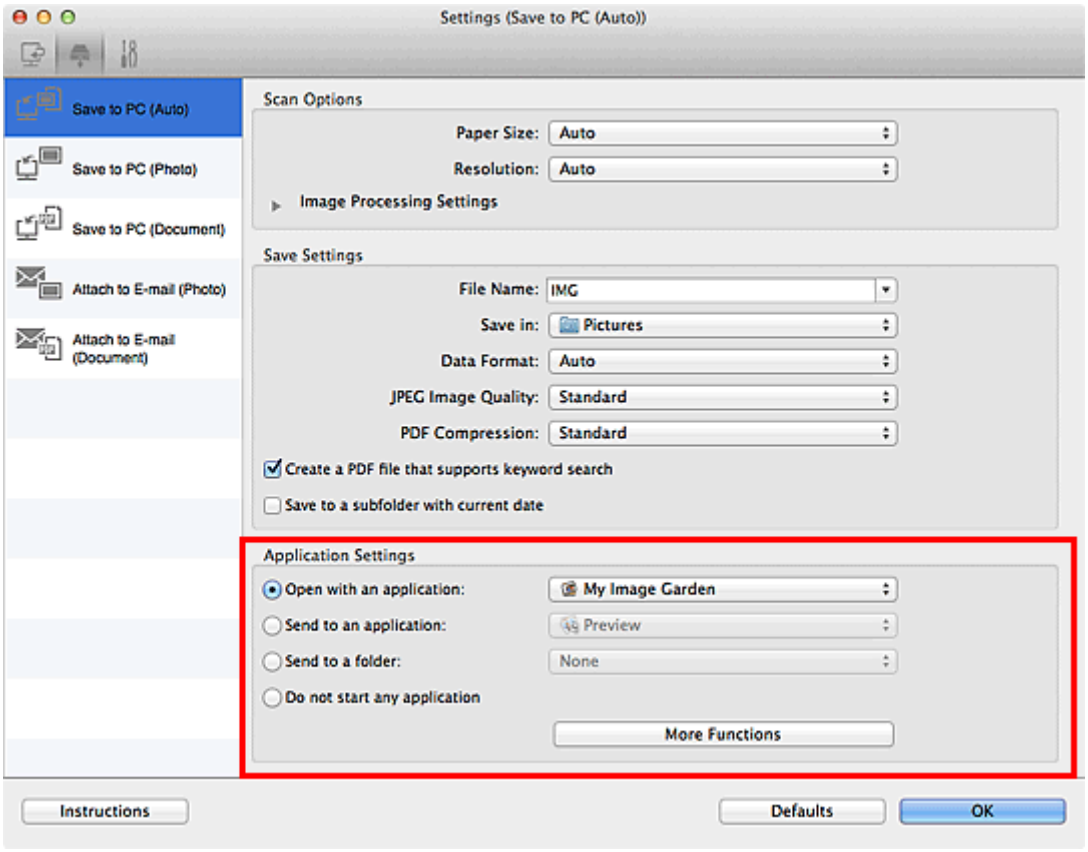
4. Set **Scan Options**.



5. Specify the file name and other settings in **Save Settings**.



6. Select the application you want to start after scanning in **Application Settings**.



7. Click **OK**.

   The responses will be executed according to the specified settings when you start scanning from the operation panel.

Troubleshooting

- The Machine Cannot Be Powered On
- Printing Does Not Start
- Paper Does Not Feed Properly/"No Paper" Error Occurs
- Print Results Not Satisfactory
- Ink Is Not Ejected
- Paper Jams
- If an Error Occurs

Search Each Function

- Problems with Network Communication
- Problems with Printing
- Problems with Printing Quality
- Problems with Scanning
- Problems with the Machine
- Problems with Installation/Downloading
- About Errors/Messages Displayed
- If You Cannot Resolve the Problem

Problems with Network Communication

- **Problems with the Machine While Using with Network**
- **Cannot Detect a Machine on a Network**
- **Other Problems with Network**

Problems with the Machine While Using with Network

- The Machine Stopped Working Suddenly
- Printing Speed Is Slow
- Cannot Use the Machine on Replacing an Access Point or Changing Its settings

The Machine Stopped Working Suddenly

- Cannot Communicate with the Machine over the Wireless LAN
- Cannot Communicate with the Machine Using the Access Point Mode
- Cannot Print or Scan from a Computer Connected to the Network

Cannot Communicate with the Machine over the Wireless LAN

Check1 Make sure that the machine is turned on.

Check2 Make sure that the network settings in the machine are identical with those of the access point.

Refer to the instruction manual provided with the access point or contact its manufacturer to check the access point settings, and then modify the machine settings.

- How to Set an Encryption Key

Check3 Make sure that the machine is not placed far away from the access point.

The access point is located indoors within the effective range for wireless communication. Locate the machine within 164 ft. / 50 m from the access point.

Check4 Make sure that there is no obstruction.

Wireless communication between different rooms or floors is generally poor. Adjust the location of the devices.

Check5 Make sure that there is no source of radio wave interference in your vicinity.

If a device (e.g. microwave oven) using the same frequency bandwidth as the wireless station is placed nearby, the device may cause interference. Place the wireless station as far away from the interference source as possible.

Check6 Make sure that the network settings of the computer are correct.

For the procedures to connect a network device to the computer and set them up, refer to the instruction manual of your network device or contact its manufacturer.

Check7 Make sure that the radio status is good and adjust the installation positions while monitoring the radio status with IJ Network Tool.

- Monitoring Wireless Network Status

Check8 Make sure that a valid wireless channel is used.

The wireless channel to be used may be limited depending on wireless network devices installed in the computer. Refer to the instruction manual provided with your computer or your wireless network device to specify the valid wireless channel.

Check9 Make sure that the channel confirmed in Check 8 can communicate with the computer.

If not, change the channel set to the access point.

Check10 Make sure that the firewall of the security software is disabled.

If the firewall function of your security software is turned on, a message may appear warning that Canon software is attempting to access the network. If the warning message appears, set the security software to always allow access.

If using any programs that switch the network environment, check their settings. Some programs will enable a firewall by default.

Check11 When using a router, connect the machine and computer to the LAN side (same network segment).

Check12 When the machine is connected to an AirPort Base Station via a LAN, use alphanumeric characters for the name of the network (SSID).

If the problem is not resolved, perform setup according to the instructions on our website.

- **For placement:**

  Make sure that there is no barrier or obstacle between the access point and the machine.

Cannot Communicate with the Machine Using the Access Point Mode

Check1 Make sure that the machine is turned on.

Check2 Is **Change LAN** in **LAN settings** under **Device settings** set to **Disable LAN** or **Wireless LAN active**?

Select **Access point mode active**.

Check3 Is the machine selected to connect external communication devices (e.g. computers, smartphones, or tablets)?

Select an access point name (SSID) specified for the machine as a destination for external communication devices.

Check4 Enter a password if you specify it for the machine.

Check5 Make sure that external communication devices are not placed far away from the machine.

Do not locate external communication devices too far away from the machine.

Check6 Make sure that there is no obstruction.

Wireless communication between different rooms or floors is generally poor. Adjust the location of the devices.

Check7 Make sure that there is no source of radio wave interference in your vicinity.

If a device (e.g. microwave oven) using the same frequency bandwidth as the wireless station is placed nearby, the device may cause interference. Place the wireless station as far away from the interference source as possible.

Check8 Are you trying to connect 6 devices or more?

You can connect up to 5 devices using the access point mode.

Cannot Print or Scan from a Computer Connected to the Network

Check1 Make sure that the network settings of the computer are correct.

For the procedures to set up the computer, refer to the instruction manual of your computer or contact its manufacturer.

Check2 If the MP Drivers are not installed, install them.

Install the MP Drivers from our website.

Check3 Make sure that access control is not set to the access point.

For the procedures to connect an access point and set it up, refer to the instruction manual of your access point or contact its manufacturer.

Note

- To check the MAC address or the IP address of the computer, see Checking the IP Address or the MAC Address of the Computer.

Printing Speed Is Slow

Check1 The machine may be printing out a large job issued from another computer.

Check2 Make sure that the radio status is good and adjust the installation positions while monitoring the radio status with IJ Network Tool.

Monitoring Wireless Network Status

Make sure that there is no barrier or obstacle between the access point and the machine. Wireless communication between different rooms or floors is generally poor. The metal, concrete, or timber including the metallic material, mud wall, or insulator may interrupt a wireless communication. If the machine cannot communicate with the computer over a wireless LAN for the wall material, place the machine and the computer in the same room or floor.

Check3 Make sure that there is no source of interference in your vicinity.

If a device (e.g. microwave oven) using the same frequency bandwidth as the wireless station is placed nearby, the device may cause interference. Place the wireless station as far away from the interference source as possible.

Cannot Use the Machine on Replacing an Access Point or Changing Its settings

When you replace an access point, perform network setup of the machine again.

Perform network setup again according to the instructions on our website.

If the problem is not resolved, see below.

Cannot Communicate with the Machine After Applying MAC/IP Address Filtering or Entering an Encryption Key to the Access Point

When Encryption Is Enabled, Cannot Communicate With the Machine After the Encryption Type Was Switched on the Access Point

Cannot Communicate with the Machine After Applying MAC/IP Address Filtering or Entering an Encryption Key to the Access Point

Check1 Confirm the access point setting.

Refer to the instruction manual provided with the access point or contact its manufacturer to confirm the access point setting. Make sure that the computer and the access point can communicate with each other under this setting.

Check2 If you are performing MAC address filtering or IP address filtering at the access point, confirm that the MAC address or IP address for both the computer or the network device and the machine are registered.

Check3 If you are using a WEP or WPA/WPA2 key, make sure that the encryption key for the computer or the network device and the machine matches that set to the access point.

Besides the WEP key itself, the key length, key format, the key ID to use, and the authentication method must match among the machine, the access point, and the computer.

Normally, select **Auto** for the authentication method. If you want to specify the method manually, select **Open System** or **Shared Key** according to the setting of the access point.

How to Set an Encryption Key

When Encryption Is Enabled, Cannot Communicate With the Machine After the Encryption Type Was Switched on the Access Point

If the machine cannot communicate with the computer after the encryption type of the machine was switched, make sure that encryption types for the computer and the access point matches that set to the machine.

Cannot Communicate with the Machine After Applying MAC/IP Address Filtering or Entering an Encryption Key to the Access Point

Cannot Detect a Machine on a Network

- **Cannot Detect the Machine When Setting up Network Communication**
- **The Machine Cannot Be Detected in the Wireless LAN**

Cannot Detect the Machine When Setting up Network Communication

If the machine could not be detected on the network when setting up the network communication, confirm the network settings before redetecting the machine.

Cannot Detect the Machine during Wireless LAN Setup: Check 1

Note

- You can set up the network communication via USB. To set up via USB, select the **Set up the network connection via USB** check box on the **Check Printer Settings** screen and click **Next**.

Cannot Detect the Machine during Wireless LAN Setup: Check 1

Are the machine and network device (router, access point, etc.) turned on?

Make sure that the machine is turned on.

Confirming that the Power Is On

Make sure that the network device (router, access point, etc.) is turned on.

If the machine or the network device is turned off:

Turn on the machine or the network device.

After turning on the machine or the network device, it may take some time until ready for use. After a while just turning on the machine or the network device, click **Redetect** on the **Check Printer Settings** screen.

When the machine is detected, follow the instructions on the screen to continue to set up the network communication.

If the machine and the network device are turned on:

If the machine could not be detected after clicking **Redetect** even when the machine and the network device are turned on, or when you have turned them on, go to check 2.

Cannot Detect the Machine during Wireless LAN Setup: Check 2

Cannot Detect the Machine during Wireless LAN Setup: Check 2

Is the wireless LAN setting of the machine enabled?

Make sure that the **Wi-Fi** lamp of the machine is lit.

If the Wi-Fi lamp is off:

The wireless LAN setting of the machine is disabled. Enable the wireless LAN setting of the machine.

After enabling the wireless LAN setting, click **Back to Top** on the **Check Printer Settings** screen to try to set up the network communication from the beginning.

If the Wi-Fi lamp is lit:

Go to check 3.

Cannot Detect the Machine during Wireless LAN Setup: Check 3

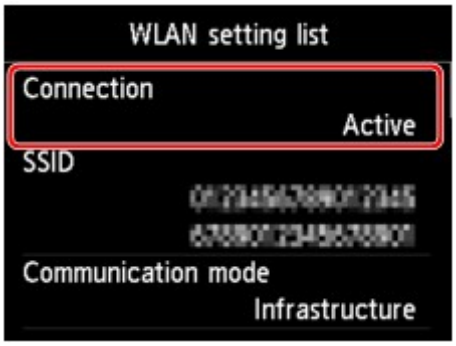
Cannot Detect the Machine during Wireless LAN Setup: Check 3

Is the machine connected to the access point?

By using the operation panel of the machine, make sure that the machine is connected to the access point.

Select **Setup** on the **HOME** screen, then select **Device settings** > **LAN settings** > **Confirm LAN settings** > **WLAN setting list**.

Make sure that **Connection** on the LCD is set to **Active**.



If Connection is set to Inactive:

The machine may be placed far away from the access point. Place the machine near the access point temporarily, then click **Redetect** on the **Check Printer Settings** screen.

When the machine is detected, follow the instructions on the screen to continue to set up the network communication.

If the machine cannot be detected, the machine is not connected to the access point. Connect the machine to the access point.

Click **Back to Top** on the **Check Printer Settings** screen to try to set up the network communication from the beginning.

If Connection is set to Active:

Go to check 4.

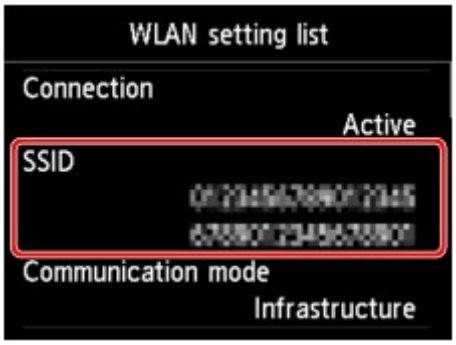
Cannot Detect the Machine during Wireless LAN Setup: Check 4

Cannot Detect the Machine during Wireless LAN Setup: Check 4

Are the SSID of the access point connected to your computer and that connected to the machine the same?

You can confirm the SSID of the access point connected to the machine on the LCD.

Select **Setup** on the **HOME** screen, then select **Device settings** > **LAN settings** > **Confirm LAN settings** > **WLAN setting list**.



From your computer, you can confirm the SSID of the access point connected to your computer. Confirm the SSID from the AirMac icon of the menu bar.

Note

- If the SSID of the access point is not displayed on your computer, check the settings of your computer.

If the SSIDs are different:

Click **Back to Top** on the **Check Printer Settings** screen to try to set up the network communication from the beginning. When you try to set up, specify the same SSID of the access point for the machine and your computer.

If the SSIDs are the same:

Go to check 5.

Cannot Detect the Machine during Wireless LAN Setup: Check 5

Cannot Detect the Machine during Wireless LAN Setup: Check 5

Does the firewall function of your security software or operation system for computer interfere with setting up the network communication?

The firewall function of your security software or operation system for computer may limit communications between the machine and your computer. Confirm the setting of firewall function of your security software or operation system or the message appearing on your computer.

If the firewall function interferes with setting up:

- **When the message appears on your computer:**

  If the message warning that Canon software is attempting to access the network appears on the computer, set the security software to allow access.

  Then click **Redetect** on the **Check Printer Settings** screen.

  When the machine is detected, follow the instructions on the screen to continue to set up the network communication.

- **When the message does not appear on your computer:**

  Cancel to set up, then set the security software to allow Canon software* to access the network.

  * Set the security software to allow **Setup.app**, **Canon IJ Network Tool.app**, **canonijnetwork.bundle**, **CIJScannerRegister.app**, **Canon IJ Scan Utility2.app**, and **CIJSUAgent.app** to access the network.

  After setting the security software, try to set up the network communication from the beginning.

Note

- For the operation system firewall settings or the security software firewall settings, refer to the instruction manual of the computer or software, or contact its manufacturer.

If there is no problem with the firewall settings:

Go to check 6.

Cannot Detect the Machine during Wireless LAN Setup: Check 6

Cannot Detect the Machine during Wireless LAN Setup: Check 6

Check the settings of the access point.

Check the settings of the access point for the network connection such as IP address filtering, MAC address filtering, or DHCP function.

Make sure that the radio channel of the access point and that assigned to the machine are the same.

For details on how to check the settings of the access point, refer to the instruction manual supplied with the access point or contact its manufacturer.

After checking the settings of the access point, click **Redetect** on the **Check Printer Settings** screen.

When the machine is detected, follow the instructions on the screen to continue to set up the network communication.

If the problem is not resolved, select the **Set up the network connection via USB** check box on the **Check Printer Settings** screen and click **Next** to set up the network communication via USB.

The Machine Cannot Be Detected in the Wireless LAN

Check1 Make sure that the machine is turned on.

Check2 Is **Change LAN** in **LAN settings** under **Device settings** set to **Disable LAN**?

Check3 When the machine is connected to the computer temporarily using a USB cable, make sure that the USB cable is connected properly.

When you set up the wireless LAN connection or change the wireless LAN settings using IJ Network Tool through USB connection, make sure that the machine is connected to the computer with a USB cable securely.

Connecting the Machine to the Computer Using a USB Cable

Check4 Make sure that the machine setup is completed.

If not, perform setup according to the instructions on our website.

Check5 When using IJ Network Tool, click **Update** to search for the machine again.

Canon IJ Network Tool Screen

Check6 Make sure that the network settings in the machine are identical with those of the access point.

Refer to the instruction manual provided with the access point or contact its manufacturer to check the access point settings, and then modify the machine settings.

How to Set an Encryption Key

Check7 Make sure that there is no obstruction.

Wireless communication between different rooms or floors is generally poor. Adjust the location of the devices.

Check8 Make sure that the machine is not placed far away from the access point.

The access point is located indoors within the effective range for wireless communication. Locate the machine within 164 ft. / 50 m from the access point.

Check9 Make sure that there is no source of radio wave interference in your vicinity.

If a device (e.g. microwave oven) using the same frequency bandwidth as the wireless station is placed nearby, the device may cause interference. Place the wireless station as far away from the interference source as possible.

Check10 Make sure that the network settings of the computer are correct.

Make sure that the computer can communicate with the access point over the wireless LAN.

Check11 Make sure that the firewall of the security software is disabled.

If the firewall function of your security software is turned on, a message may appear warning that Canon software is attempting to access the network. If the warning message appears, set the security software to always allow access.

If using any programs that switch the network environment, check their settings. Some programs will enable a firewall by default.

Check12 When using a router, connect the machine and computer to the LAN side (same network segment).

Check13 When the machine is connected to an AirPort Base Station via a LAN, use alphanumeric characters for the name of the network (SSID).

If the problem is not resolved, perform setup again according to the instructions on our website.

Other Problems with Network

- **Forgot an Access Point Name, SSID, or a Network Key**
- **The Message Is Displayed on the Computer Screen During Setup**
- **The Administrator Password Set to the Machine Was Forgotten**
- **Checking Information about the Network**
- **How to Restore the Machine's Network Settings to Factory Default**

Forgot an Access Point Name, SSID, or a Network Key

Cannot Connect with an Access Point to Which a WEP or WPA/WPA2 Key Is Set (You Forgot the WEP or WPA/WPA2 Key)

How to Set an Encryption Key

Cannot Connect with an Access Point to Which a WEP or WPA/WPA2 Key Is Set (You Forgot the WEP or WPA/WPA2 Key)

For information on how to set up the access point, refer to the instruction manual provided with the access point or contact its manufacturer. Make sure that the computer and the access point can communicate with each other.

After that, set up the machine to match the settings of the access point using IJ Network Tool.

How to Set an Encryption Key

For information on how to set up the access point, refer to the instruction manual provided with the access point or contact its manufacturer. Make sure that the computer and the access point can communicate with each other.

After that, set up the machine to match the settings of the access point using IJ Network Tool.

- **When using WEP**

  The key length, key format, the key to use (one of 1 to 4), and the authentication method must match among the access point, the machine, and the computer.

  In order to communicate with an access point that uses automatically generated WEP keys, you must configure the machine to use the key generated by the access point by entering it in hexadecimal format.

  Normally, select **Auto** for the authentication method. Otherwise, select **Open System** or **Shared Key** according to the setting of the access point.

  When the **WEP Details** screen appears after clicking **Set** on the **Access Points** screen, follow the on-screen instructions and set the key length, the key format, the key number, and the authentication to enter a WEP key.

  For details, see Changing the WEP Detailed Settings.

  Note

  - When the machine is connected to an AirPort Base Station via a LAN:

    When the machine is connected to an AirPort Base Station via a LAN, confirm the settings in **Wireless Security** of **AirPort Utility**.

    - Select **64 bit** if **WEP 40 bit** is selected for the key length in the AirPort Base Station.
    - Select **1** for **Key ID:**. Otherwise your computer will not be able to communicate with the machine via the access point.

- **When using WPA/WPA2**

  The authentication method, passphrase, and dynamic encryption type must match on the access point, the machine, and the computer.

Enter the passphrase configured on the access point (a sequence of between 8 and 63 alphanumeric characters, or a 64-character hexadecimal number).

Either TKIP (basic encryption) or AES (secure encryption) is selected automatically for the dynamic encryption method.

For details, see Changing the WPA/WPA2 Detailed Settings.

Note

- This machine supports WPA/WPA2-PSK (WPA/WPA2-Personal) and WPA2-PSK (WPA2-Personal).

The Message Is Displayed on the Computer Screen During Setup

- The Enter Password Screen Is Displayed During Setup
- The Screen for Setting the Encryption Is Displayed After Selecting the Access Point in the Access Points Screen
- "You are connecting the machine to the non encrypted wireless network" Is Displayed

The Enter Password Screen Is Displayed During Setup

The following screen is displayed if an administrator password is set to the machine which has already been set up to use via a network.

Enter the administrator password you have set.

Note

- An administrator password is already specified for the machine at the time of purchase.

  For details:

  About the Administrator Password

  For improving security, it is recommended to change the administrator password.

  Changing the Settings in the Admin Password Sheet

The Screen for Setting the Encryption Is Displayed After Selecting the Access Point in the Access Points Screen

This screen is displayed automatically if the selected access point is encrypted. In this case, configure the details to use the same encryption settings set to the access point.

For information on the encryption settings, see Changing the Settings in the Wireless LAN Sheet.

"You are connecting the machine to the non encrypted wireless network" Is Displayed

Security is not configured on the access point. The machine can still be used, so continue the setup procedure to complete it.

Important

- If you connect to a network that is not protected with security measures, there is a risk of disclosing data such as your personal information to a third party.

The Administrator Password Set to the Machine Was Forgotten

Initialize the machine settings.

Select **Reset all**, then the administrator password reverts to the default.

Reset setting

After initializing the machine settings, perform setup according to the instructions on our website.

Checking Information about the Network

Checking the IP Address or the MAC Address of the Machine

Checking the IP Address or the MAC Address of the Computer

Checking If the Computer and the Machine, or Computer and the Access Point Can Communicate

Checking the Network Setting Information

Checking the IP Address or the MAC Address of the Machine

To check the IP address or the MAC address of the machine, display the network setting information using the operation panel of the machine or print out the network setting information of the machine.

LAN settings

Printing Out Network Setting Information

To display the network setting information using IJ Network Tool, select **Network Information** on the **View** menu.

Canon IJ Network Tool Menus

Checking the IP Address or the MAC Address of the Computer

To check the IP address or MAC address assigned to the computer, follow the procedure below.

1. Select **System Preferences** from the Apple menu, then click **Network**.

2. Make sure that the network interface you are using on your computer is selected, then click **Advanced**.
   - In Mac OS X v10.9, Mac OS X v10.8, or Mac OS X v10.7:

     Make sure that **Wi-Fi** is selected as the network interface.
   - In Mac OS X v10.6.8:

     Make sure that **AirMac** is selected as the network interface.

3. Confirm the IP address or MAC address.
   - In Mac OS X v10.9, Mac OS X v10.8, or Mac OS X v10.7:

     Click **TCP/IP** to confirm the IP address.

     Click **Hardware** to confirm the MAC address.
   - In Mac OS X v10.6.8:

     Click **TCP/IP** to confirm the IP address.

     Click **Ethernet**, then see **Ethernet ID** to confirm the MAC address.

Checking If the Computer and the Machine, or Computer and the Access Point Can Communicate

To check that communication is available, perform the ping test.

1. Open the **Utilities** folder in the **Applications** folder.
2. Start **Network Utility**.
3. Click the **Ping** button.
4. Make sure that **Send only XX pings** (XX are numbers) is selected.
5. Enter the IP address of the target machine or the target access point in **Enter the network address to ping.**.
6. Click **Ping**.

   "XXX.XXX.XXX.XXX" is the IP address of the target device.

   A message such as the following is displayed.

   64 bytes from XXX.XXX.XXX.XXX: icmp_seq=0 ttl=64 time=3.394 ms

   64 bytes from XXX.XXX.XXX.XXX: icmp_seq=1 ttl=64 time=1.786 ms

   64 bytes from XXX.XXX.XXX.XXX: icmp_seq=2 ttl=64 time=1.739 ms

   --- XXX.XXX.XXX.XXX ping statistics ---

   3 packets transmitted, 3 packets received, 0% packet loss

   If the packet loss is 100%, the communication is not available. Otherwise, the computer is communicating with the target device.

Checking the Network Setting Information

To check the network setting information of the machine, display the network setting information using the operation panel of the machine or print out the network setting information of the machine.

- LAN settings
- Printing Out Network Setting Information

How to Restore the Machine's Network Settings to Factory Default

Important

- Note that initialization erases all network settings on the machine, and printing or scanning operation from a computer over network may become impossible. To use the machine over network, perform setup according to the instructions on our website.

Initialize the network setting using the operation panel of the machine.

Reset setting

Problems with Printing

- **Printing Does Not Start**
- **Paper Jams**
- **Paper Does Not Feed Properly/"No Paper" Error Occurs**
- **Cannot Print Properly with Automatic Duplex Printing**
- **Copying/Printing Stops Before It Is Completed**

Printing Does Not Start

Check1 Make sure that the power plug is securely plugged in, then press the **ON** button to turn the machine on.

While the **POWER** lamp is flashing, the machine is initializing. Wait until the **POWER** lamp stops flashing and remains lit.

Note

- When printing large data such as a photo or graphics, it may take longer to start printing. While the **POWER** lamp is flashing, the computer is processing data and sending it to the machine. Wait until printing starts.

Check2 Make sure that the machine is connected to your computer properly.

When the machine is connected to your computer with a USB cable, make sure that the USB cable is securely plugged in to the machine and the computer, then check the followings:

- If you are using a relay device such as a USB hub, disconnect it, connect the machine directly to the computer, and try printing again. If printing starts normally, there is a problem with the relay device. Consult the reseller of the relay device for details.
- There could also be a problem with the USB cable. Replace the USB cable and try printing again.

When you use the machine over LAN, make sure that the machine is set up to be used over network correctly.

Check3 Is the access point mode enabled?

When you print using a mode other than the access point mode, disable the access point mode in advance.

Check4 Make sure that the paper output tray is open.

Check5 Are the paper settings identical with those registered to the cassette?

When the paper settings are not identical with those registered to the cassette, an error message is displayed. Resolve the error according to the instructions on the LCD.

Paper Setting for Printing

Note

- You can disable the message which prevents misprinting.
  - To change the setting using the operation panel:

    Cassette settings
  - To change the setting using the printer driver:

    Changing the Printer Operation Mode

Check6 If you are printing from the computer and there are any unnecessary print jobs, delete them.

Deleting the Undesired Print Job

Check7 Make sure that your machine's name is selected in the Print dialog.

The machine will not print properly if you are using a printer driver for a different printer.

Make sure that your machine's name is selected in **Printer** in the Print dialog.

Note

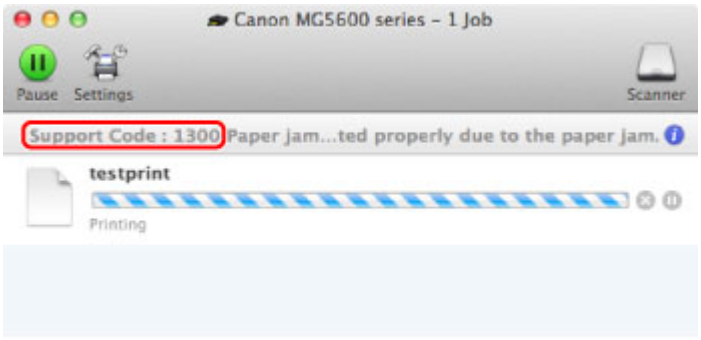
- To make the machine the one selected by default, select the machine for **Default printer**.

Check8 Restart your computer if you are printing from the computer.

Paper Jams

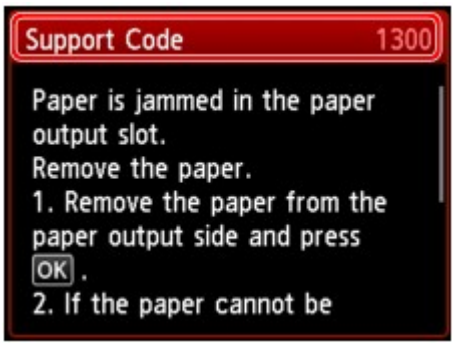
When paper is jammed, a troubleshooting message is displayed automatically. Take the appropriate action described in the message.

- **When a Support Code and a message are displayed on the computer screen:**



  * The screen differs depending on the OS you are using.

- **When a Support Code and a message are displayed on the LCD:**



For details on how to remove the jammed paper, refer to Support Code List (When Paper Is Jammed).

Note

- You can confirm the actions against errors with Support Codes on your computer or on the LCD by searching a Support Code.

  Click Here to Search

Paper Does Not Feed Properly/"No Paper" Error Occurs

Check1 Make sure that paper is loaded.

Loading Paper

Check2 Make sure of the following when you load paper.

- When loading two or more sheets of paper, flip through the paper before loading.

- When loading two or more sheets of paper, align the edges of the sheets before loading.
- When loading two or more sheets of paper, make sure that the paper stack does not exceed the paper load limit.

  However, proper feeding of paper may not be possible at this maximum capacity depending on the type of paper or environmental conditions (either very high or low temperature and humidity). In such cases, reduce the sheets of paper you load at a time to less than half of the paper load limit.
- Always load the paper in portrait orientation, regardless of the printing orientation.
- When you load the paper, load the paper with the print side facing DOWN and slide the paper guides to align with the both sides of the paper.

  Loading Paper
- When you load the paper, insert the paper stack until the leading edge touches the far end of the cassette.

Check3 Check to see if the paper you are printing on is not too thick or curled.

Media Types You Cannot Use

Check4 Make sure of the following when you load Hagakis or envelopes.

- If a Hagaki is curled, it may not feed properly even though the paper stack does not exceed the paper load limit.

  Load Hagakis with a zip code column toward the far end of the cassette.
- When printing on envelopes, refer to Loading Paper, and prepare the envelopes before printing.

  Once you have prepared the envelopes, load them in portrait orientation. If the envelopes are placed in landscape orientation, they will not feed properly.

Check5 Is the cassette set properly?

Push the cassette so that the ▷ mark on the cassette aligns with the ◁ mark on the machine.

Check6 Confirm that the media type and the paper size settings correspond with the loaded paper.

Check7 If multiple sheets of plain paper is fed from the machine, select the setting for preventing double-feed of plain paper.

If multiple sheets of plain paper is fed from the machine, select the setting for preventing double-feed of plain paper using the operation panel or your computer.

* After printing is finished, disable the setting for preventing double-feed of plain paper; otherwise, the setting is applied from the next time.

- **To set by using the operation panel**

  Press the **HOME** button, select **Setup**, **Device settings**, and **Print settings** in this order, and then set **Prevent paper double-feed** to **ON**.

  Changing the Machine Settings on the LCD

- **To set by using your computer**

  In the Canon IJ Printer Utility, select **Custom Settings** in the pop-up menu, select the **Prevent paper double-feed** check box, and then click **Apply**.

  To open the Canon IJ Printer Utility, see Opening the Canon IJ Printer Utility.

Note

- Printing speed will be reduced if Prevent paper double-feed function is enabled.

Check8 Clean the paper feed roller.

Cleaning the Paper Feed Roller

Note

- Cleaning the paper feed roller will wear the roller, so perform this procedure only when necessary.

If you cannot remove the paper or the paper tears inside the machine, or if the paper jam error continues after removing the paper, contact the service center.

Cannot Print Properly with Automatic Duplex Printing

Check1 Is the setting for automatic duplex printing selected?

Make sure that the **Two-Sided** check box is selected on the Print dialog.

Duplex Printing

Check2 Make sure that the actual size of the paper is suitable for automatic duplex printing.

The sizes of media suitable for automatic duplex printing are A4 and Letter.

Load paper of suitable size, then press the **OK** button on the machine.

Check3 Make sure that the paper size setting is correct.

Make sure that the paper size setting matches the actual size of the paper with a size suitable for automatic duplex printing.

First, check the paper size setting in the application software you are printing from.

Then, check the **Paper Size** on the Page Setup dialog.

Note

- Duplex printing may not be available depending on the version of the application software.

Check4 Make sure that the media type setting is correct.

Make sure that the media type setting matches the actual size of the paper with a size suitable for automatic duplex printing.

Make sure that the type of loaded paper is suitable for automatic duplex printing on the **Quality & Media** sheet on the Print dialog.

Note

- Manual duplex printing is not available.

Copying/Printing Stops Before It Is Completed

Check1 Is the paper loaded?

Make sure that paper is loaded.

If the machine has run out of paper, load paper.

Check2 Do the printing documents have lots of photographs or illustrations?

As printing large data such as photos or graphics takes time for the machine and the computer to process, the machine may appear to have stopped operating.

In addition, when printing data that uses a large amount of ink continuously on plain paper, the machine may pause temporarily. In either case, wait until the process is complete.

Note

- If you are printing a document with a large printing area or printing multiple copies of a document, printing may pause to allow the ink to dry.

Check3 Has the machine been printing continuously for a long period?

If the machine has been printing continuously for a long time, the print head or other parts around it may overheat. The machine may stop printing at a line break for a period of time and then resume printing.

In this case, wait for a while without operation. If the printing still does not resume, interrupt your print session at a convenient time and turn the machine off for at least 15 minutes.

Caution

- The print head and the surrounding area can become extremely hot inside the machine. Never touch the print head or nearby components.

Problems with Printing Quality

- **Print Results Not Satisfactory**
- **Ink Is Not Ejected**

Print Results Not Satisfactory

If the print result is not satisfactory due to white streaks, misaligned lines, or uneven colors, confirm the paper and print quality settings first.

Check1 Do the page size and media type settings match the size and type of the loaded paper?

When these settings are incorrect, you cannot obtain a proper print result.

If you are printing a photograph or an illustration, incorrect paper type settings may reduce the quality of the printout color.

Also, if you print with an incorrect paper type setting, the printed surface may be scratched.

In borderless printing, uneven coloring may occur depending on the combination of the paper type setting and the loaded paper.

The method of confirming the paper and print quality settings differs depending on what you do with your machine.

To copy by operating the machine	Confirm by using the operation panel on the machine. ■Setting Items for Copying
To copy photo by operating the machine	Confirm by using the operation panel on the machine. ■Copying Photos
To print from a PictBridge (Wireless LAN) compliant device	Confirm by using your PictBridge (Wireless LAN) compliant device. ■About PictBridge (Wireless LAN) Print Settings Confirm by using the operation panel on the machine. ■PictBridge print settings
To print from a computer	Confirm by using the printer driver. ■Printing with Easy Setup

Check2 Make sure that the appropriate print quality is selected referring to the table in Check 1.

Select a print quality option suitable for the paper and image for printing. If you notice blurs or uneven colors, increase the print quality setting and try printing again.

Note

- When printing from a PictBridge (Wireless LAN) compliant device, set the print quality setting by using the operation panel on the machine.

  You cannot make this setting from a PictBridge (Wireless LAN) compliant device.

Check3 If the problem is not resolved, there may be other causes.

See also the sections below:

■Cannot Print to End of Job

■No Printing Results/Printing Is Blurred/Colors Are Wrong/White Streaks

■Lines Are Misaligned

■Printed Paper Curls or Has Ink Blots

- Paper Is Smudged/Printed Surface Is Scratched
- Back of the Paper Is Smudged
- Vertical Lines Are Printed on the Sides of the Printout
- Colors Are Uneven or Streaked

Cannot Print to End of Job

Check1 Select the setting not to compress the printing data.

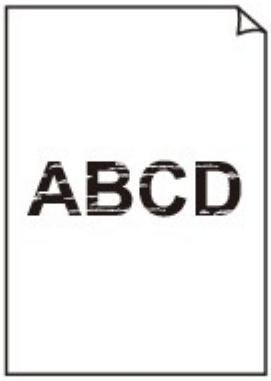
Check Is the space of your computer's hard disk sufficient?

Delete unnecessary files to free disk space.

No Printing Results/Printing Is Blurred/Colors Are Wrong/White Streaks

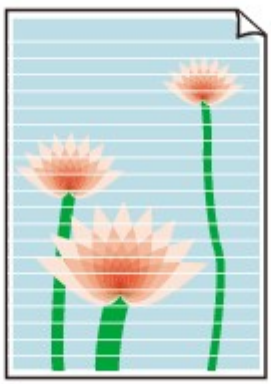
No Printing Results

Printing Is Blurred



Colors Are Wrong

White Streaks



Check1 Did you confirm the paper and print quality settings?

Print Results Not Satisfactory

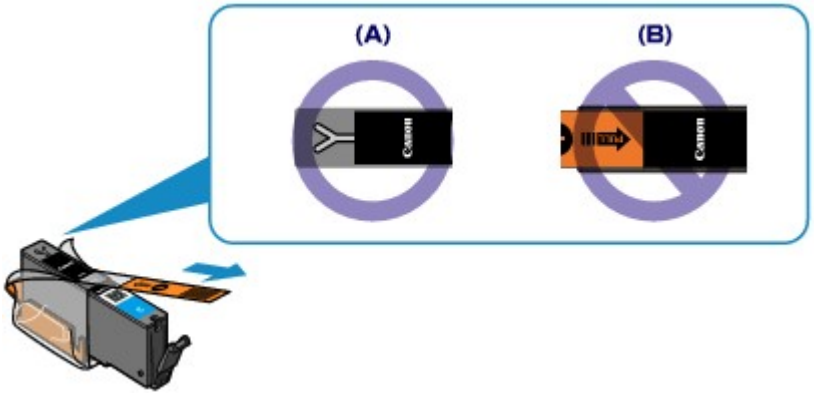
Check2 Check the status of ink tanks. Replace the ink tank if the ink has run out.

Replacing an Ink Tank

Check3 Is the orange tape or protective film remaining?

Make sure that all of the protective film is peeled off and the Y-shape air hole is exposed, as illustrated in (A).

If the orange tape is left as in (B), pull the orange tape and remove it.



Check4 Print the Nozzle Check Pattern and perform any necessary maintenance operations such as Print Head Cleaning.

Print the Nozzle Check Pattern to determine whether the ink ejects properly from the print head nozzles.

Refer to When Printing Becomes Faint or Colors Are Incorrect for the Nozzle Check Pattern printing, Print Head Cleaning, and Print Head Deep Cleaning.

- If the Nozzle Check Pattern is not printed correctly:

  Check to see if a particular color's ink tank is not empty.

  If the Nozzle Check Pattern is not printed correctly though ink is sufficient, perform the Print Head Cleaning and try printing the Nozzle Check Pattern again.

- If the problem is not resolved after performing the Print Head Cleaning twice:

  Perform the Print Head Deep Cleaning.

  If the problem is not resolved after performing the Print Head Deep Cleaning, turn off the machine and perform another Print Head Deep Cleaning after 24 hours.

- If the problem is not resolved after performing the Print Head Deep Cleaning twice:

  If Print Head Deep Cleaning does not resolve the problem, the print head may be damaged. Contact the service center.

Check5 When using paper with one printable surface, make sure that the paper is loaded with the printable side facing down.

Printing on the wrong side of such paper may cause unclear prints or prints with reduced quality.

Load paper with the printable side facing down.

Refer to the instruction manual supplied with the paper for detailed information on the printable side.

- **When copying, see also the sections below:**

Check6 Is the platen glass dirty?

Clean the platen glass.

Cleaning the Platen Glass and Document Cover

Check7 Make sure that the original is properly loaded on the platen glass.

Loading Originals

Check8 Is the original loaded with the side to be copied facing down on the platen glass?

Check9 Did you copy a printout done by this machine?

If you use a printout done by this machine as the original, print quality may be reduced depending on the condition of the original.

Print from the machine directly, or reprint from the computer if you can reprint from it.

Lines Are Misaligned

Check1 Did you confirm the paper and print quality settings?

Print Results Not Satisfactory

Check2 Perform Print Head Alignment.

If printed lines are misaligned or print results are otherwise unsatisfactory, adjust the print head position.

Aligning the Print Head

Note

- If the problem is not resolved after performing the Print Head Alignment, perform Print Head Alignment manually referring to Aligning the Print Head Position from Your Computer.

Check3 Increase the print quality and try printing again.

Increasing the print quality on the operation panel of the machine or in the printer driver may improve the print result.

Printed Paper Curls or Has Ink Blots

Printed Paper Has Ink Blots

Printed Paper Curls

Check1 Did you confirm the paper and print quality settings?

Print Results Not Satisfactory

Check2 If the intensity is set high, reduce the intensity setting and try printing again.

If you are using plain paper to print images with high intensity, the paper may absorb too much ink and become wavy, causing paper abrasion.

- When printing from your computer

  You can confirm the intensity using the printer driver.

  Adjusting Intensity

- When copying

  Setting Items for Copying

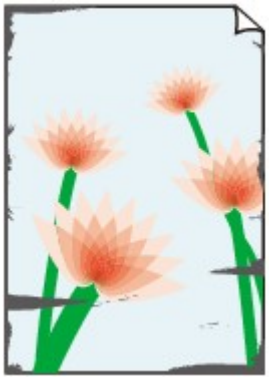
Check3 Is Photo Paper used for printing photographs?

When printing data with high color saturation such as photographs or images in deep color, we recommend using Photo Paper Plus Glossy II or other Canon speciality paper.

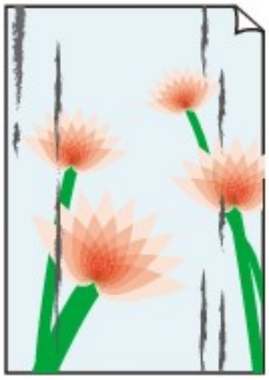
Media Types You Can Use

Paper Is Smudged/Printed Surface Is Scratched

Paper Is Smudged



The Edges of Paper Are Smudged



Printed Surface Is Smudged

Printed Surface Is Scratched

Check1 Did you confirm the paper and print quality settings?

Print Results Not Satisfactory

Check2 Is the appropriate type of paper used? Check the followings:

- Check to see if the paper you are printing on is suitable for your printing purpose.

  Media Types You Can Use

- When performing Borderless Printing, make sure that the paper you are using is suitable for Borderless Printing.

  If the paper you are using is not suitable for Borderless Printing, the print quality may be reduced at the top and bottom edges of the paper.

  Printing Area

Check3 Load the paper after correcting its curl.

When using Photo Paper Plus Semi-gloss, even if the sheet is curled, load one sheet at a time as it is. If you roll up this paper to flatten, this may cause cracks on the surface of the paper and reduce the print quality.

We recommend putting unused paper back into the package and keeping it on a level surface.

- **For Plain Paper**

  Turn the paper over and reload it to print on the other side.

- **For Other Paper**

  If the curl on the four corners of the paper is more than 0.1 inch / 3 mm (A) in height, the paper may be smudged or may not be fed properly. In such cases, follow the procedure described below to correct the paper curl.

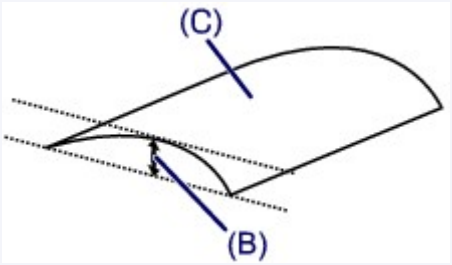
1. Roll up the paper in the opposite direction to the paper curl as shown below.

2. Check that the paper is now flat.

   We recommend printing curl-corrected paper one sheet at a time.

Note

- Depending on the media type, the paper may be smudged or may not be fed properly even if it is not curled inward. In such cases, follow the procedure described below to curl the paper outward within 0.1 inch / 3 mm (B) in height before printing. This may improve the print result.



(C) Printing side

We recommend printing paper that has been curled outward one sheet at a time.

Check4 Adjust the setting to prevent paper abrasion.

Adjusting the setting to prevent paper abrasion will widen the clearance between the print head and the loaded paper. If you notice abrasion even with the media type set correctly to match the loaded paper, set the machine to prevent paper abrasion by using the operation panel or the computer.

Print speed may be reduced if you apply the setting to prevent paper abrasion setting.

* Readjust the setting not to prevent paper abrasion once printing is complete. If not, this setting remains enabled for all subsequent print jobs.

- **To set by using the operation panel**

  Press the **HOME** button, select **Setup**, **Device settings**, and **Print settings** in this order, and then set **Prevent paper abrasion** to **ON**.

  Changing the Machine Settings on the LCD

- **To set by using your computer**

  In the Canon IJ Printer Utility, select **Custom Settings** in the pop-up menu, select the **Prevent paper abrasion** check box, and then click **Apply**.

  To open the Canon IJ Printer Utility, see Opening the Canon IJ Printer Utility.

Check5 If the intensity is set high, reduce the intensity setting and try printing again.

If you are using plain paper to print images with high intensity, the paper may absorb too much ink and become wavy, causing paper abrasion.

- When printing from your computer

  Reduce the intensity setting in the printer driver and try printing again.

  1. Open the Print dialog.

     How to Open the Printer Driver Setup Window

  2. Select **Color Options** in the pop-up menu.
  3. Drag the **Intensity** slide bar to set the intensity.

- When copying

  Setting Items for Copying

Check6 Is printing performed beyond the recommended printing area?

If you are printing beyond the recommended printing area of your printing paper, the lower edge of the paper may become stained with ink.

Resize your original document in your application software.

Printing Area

Check7 Is the platen glass dirty?

Clean the platen glass.

Cleaning the Platen Glass and Document Cover

Check8 Is the paper feed roller dirty?

Clean the paper feed roller.

Cleaning the Paper Feed Roller

Note

- Cleaning the paper feed roller will wear the roller, so perform this procedure only when necessary.

Check9 Is the inside of the machine dirty?

When performing duplex printing, the inside of the machine may become stained with ink, causing the printout to become smudged.

Perform the Bottom Plate Cleaning to clean the inside of the machine.

Cleaning the Inside of the Machine (Bottom Plate Cleaning)

Note

- To prevent the inside of the machine from stains, set the paper size correctly.

Check10 Set the time to dry the printed surface longer.

Doing so gives the printed surface enough time to dry so that paper smudged and scratched are prevented.

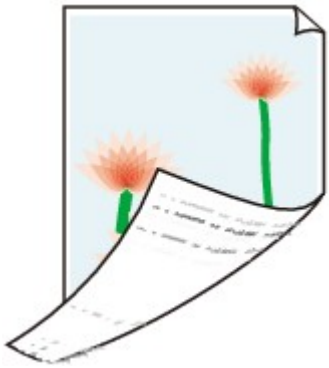
1. Make sure that the machine is turned on.
2. Open the Canon IJ Printer Utility.

   Opening the Canon IJ Printer Utility

3. Select **Custom Settings** in the pop-up menu.

4. Drag the **Ink Drying Wait Time:** slide bar to set the wait time, and then click **Apply**.
5. Confirm the message and click **OK**.

Back of the Paper Is Smudged



Check1 Did you confirm the paper and print quality settings?

Print Results Not Satisfactory

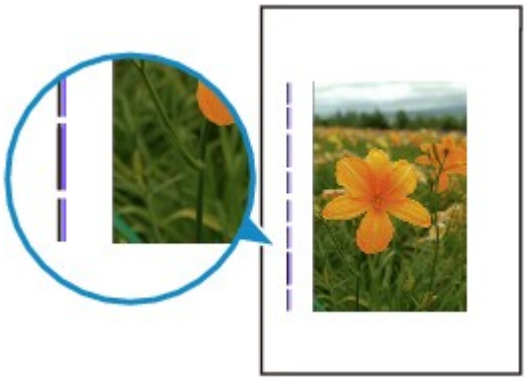
Check2 Perform the Bottom Plate Cleaning to clean the inside of the machine.

Cleaning the Inside of the Machine (Bottom Plate Cleaning)

Note

- When performing borderless printing, duplex printing, or too much printing, the inside may become stained with ink.

Vertical Lines Are Printed on the Sides of the Printout



Check Is the size of the loaded paper correct?

The vertical lines may be printed in the margin if the size of the loaded paper is larger than that you have specified.

Set the paper size correctly according to the paper you loaded.

Print Results Not Satisfactory

Note

- The direction of the vertical line pattern may vary depending on the image data or the print setting.
- This machine performs automatic cleaning when necessary to keep printouts clean. A small amount of ink is ejected for cleaning.

  Although ink is usually ejected on the ink absorber, it may be ejected on the paper if you load paper larger than that you have specified.

Colors Are Uneven or Streaked

Colors Are Uneven

Colors Are Streaked

Check1 Did you confirm the paper and print quality settings?

Print Results Not Satisfactory

Check2 Print the Nozzle Check Pattern and perform any necessary maintenance operations such as Print Head Cleaning.

Print the Nozzle Check Pattern to determine whether the ink ejects properly from the print head nozzles.

Refer to When Printing Becomes Faint or Colors Are Incorrect for the Nozzle Check Pattern printing, Print Head Cleaning, and Print Head Deep Cleaning.

- If the Nozzle Check Pattern is not printed correctly:

  Check to see if a particular color's ink tank is not empty.

  If the Nozzle Check Pattern is not printed correctly though ink is sufficient, perform the Print Head Cleaning and try printing the Nozzle Check Pattern again.

- If the problem is not resolved after performing the Print Head Cleaning twice:

  Perform the Print Head Deep Cleaning.

  If the problem is not resolved after performing the Print Head Deep Cleaning, turn off the machine and perform another Print Head Deep Cleaning after 24 hours.

- If the problem is not resolved after performing the Print Head Deep Cleaning twice:

If Print Head Deep Cleaning does not resolve the problem, the print head may be damaged. Contact the service center.

Check3 Perform Print Head Alignment.

Aligning the Print Head

Note

- If the problem is not resolved after performing the Print Head Alignment, perform Print Head Alignment manually referring to Aligning the Print Head Position from Your Computer.

Ink Is Not Ejected

Check1 Has the ink run out?

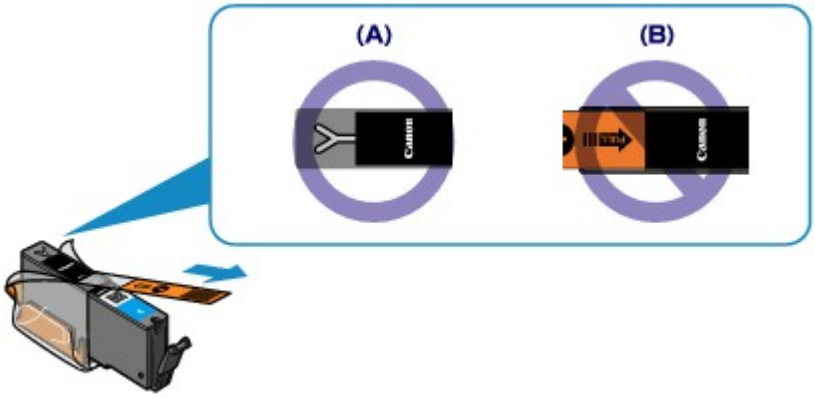
Open the operation panel, then check the status of ink lamp.

Checking the Ink Status

Check2 Is the orange tape or protective film remaining?

Make sure that all of the protective film is peeled off and the Y-shape air hole is exposed, as illustrated in (A).

If the orange tape is left as in (B), pull the orange tape and remove it.



Check3 Are the print head nozzles clogged?

Print the Nozzle Check Pattern to determine whether the ink ejects properly from the print head nozzles.

Refer to When Printing Becomes Faint or Colors Are Incorrect for the Nozzle Check Pattern printing, Print Head Cleaning, and Print Head Deep Cleaning.

- If the Nozzle Check Pattern is not printed correctly:

  Check to see if a particular color's ink tank is not empty.

  If the Nozzle Check Pattern is not printed correctly though ink is sufficient, perform the Print Head Cleaning and try printing the Nozzle Check Pattern again.

- If the problem is not resolved after performing the Print Head Cleaning twice:

  Perform the Print Head Deep Cleaning.

  If the problem is not resolved after performing the Print Head Deep Cleaning, turn off the machine and perform another Print Head Deep Cleaning after 24 hours.

- If the problem is not resolved after performing the Print Head Deep Cleaning twice:

  If Print Head Deep Cleaning does not resolve the problem, the print head may be damaged. Contact the service center.

Problems with Scanning

- Problems with Scanning
- Scan Results Not Satisfactory

Problems with Scanning

- Scanner Does Not Work
- Scanner Driver Does Not Start
- Error Message Appears and the Scanner Driver Screen Does Not Appear
- Cannot Scan Multiple Items at One Time
- Cannot Scan Properly with Auto Scan
- Slow Scanning Speed
- "There is not enough memory." Message Is Displayed
- Computer Stops Operating during Scanning
- Scanned Image Does Not Open

Scanner Does Not Work

Check 1 Make sure that your scanner or printer is turned on.

Check 2 Connect the USB cable to a different USB port on the computer.

Check 3 If the USB cable is connected to a USB hub, remove it from the USB hub and connect it to a USB port on the computer.

Check 4 Restart the computer.

Scanner Driver Does Not Start

Check 1 Make sure that the scanner driver is installed.

If not installed, install the scanner driver from the web page.

Check 2 Select your scanner or printer on the application's menu.

Note

- The operation may differ depending on the application.

Check 3 Make sure that the application supports the ICA (Image Capture Architecture) driver.

You cannot start the scanner driver from applications not supporting the ICA driver.

Check 4 Scan and save images with IJ Scan Utility and open the files in your application.

Error Message Appears and the Scanner Driver Screen Does Not Appear

Check 1 Make sure that your scanner or printer is turned on.

Check 2 Turn off your scanner or printer, then reconnect the USB cable and replug the power cord.

Check 3 Connect the USB cable to a different USB port on the computer.

Check 4 If the USB cable is connected to a USB hub, remove it from the USB hub and connect it to a USB port on the computer.

Check 5 Make sure that the scanner driver is installed.

If not installed, install the scanner driver from the web page.

Check 6 Select your scanner or printer on the application's menu.

Note

- The operation may differ depending on the application.

Check 7 Make sure that the application supports the ICA driver.

You cannot start the scanner driver from applications not supporting the ICA driver.

Check 8 Exit the scanner driver if it is running on another application.

Cannot Scan Multiple Items at One Time

Check 1 Make sure that the items are placed correctly.

- Placing Items (When Scanning from a Computer)

Check 2 Check if you can properly scan one item.

Some applications do not support multiple image scanning. In that case, scan each item individually.

Cannot Scan Properly with Auto Scan

Check 1 Make sure that the items are placed correctly.

- Placing Items (When Scanning from a Computer)

Check 2 Multiple items scanning may not be supported.

Some applications do not support multiple image scanning. In that case, scan each item individually.

Slow Scanning Speed

Check 1 To view the image on a monitor, set the output resolution to around 150 dpi. To print, set it to around 300 dpi.

- Resolution

Check 2 Set **Fading Correction**, **Grain Correction**, etc. to **None**.

Refer to "Image Corrections and Color Adjustments" for details.

Check 3 In IJ Scan Utility, deselect the **Correct slanted text document** / **Detect the orientation of text document and rotate image** checkbox and scan again.

- **Settings (Document Scan)** Dialog
- **Settings (Custom Scan)** Dialog

"There is not enough memory." Message Is Displayed

Check 1 Exit other applications and try again.

Check 2 Reduce the resolution or output size and scan again.

- Resolution

Computer Stops Operating during Scanning

Check 1 Restart the computer, reduce the output resolution and scan again.

- Resolution

Check 2 Delete unnecessary files to obtain sufficient free hard disk space, then scan again.

Error message may appear if there is not enough hard disk space to scan and save, when the image size is too large (such as when scanning a large item at high resolution).

Check 3 In **Folder to Save Temporary Files** of IJ Scan Utility, specify a folder on a drive with sufficient free space.

- **Settings (General Settings)** Dialog

Check 4 Multiple devices may be connected to USB ports.

Disconnect devices other than your scanner or printer.

Scanned Image Does Not Open

Check If the data format is not supported by the application, scan the image again and select a popular data format such as JPEG when saving it.

Refer to the application's manual for details. If you have any questions, contact the manufacturer of the application.

Scan Results Not Satisfactory

- Scan Quality (Image Displayed on the Monitor) Is Poor
- Scanned Image Is Surrounded by Extra White Areas
- Cannot Scan at the Correct Size
- Position or Size of the Image Cannot be Detected Correctly When Scanning from the Operation Panel
- Item Is Placed Correctly, but the Scanned Image Is Slanted
- Scanned Image Is Enlarged (Reduced) on the Computer Monitor

Scan Quality (Image Displayed on the Monitor) Is Poor

Check 1 If the image is jagged, increase the scanning resolution, or select **TIFF** or **PNG** in **Data Format** of the Settings dialog.

- Resolution
- Settings Dialog

Check 2 Set the display size to 100 %.

Some applications do not display images clearly if the display size is too small.

Check 3 If moire (stripe pattern) appears, take the following measures and scan again.

- Set one of the following settings in the **Settings (Document Scan)** dialog, **Settings (Custom Scan)** dialog, or **Settings (Scan and Stitch)** dialog of IJ Scan Utility, then scan from the IJ Scan Utility main screen.
  - Set **Select Source** to **Magazine** and set **Color Mode** to **Color**
  - Select the **Reduce moire** checkbox in **Image Processing Settings**

  - **Settings (Document Scan)** Dialog
  - **Settings (Custom Scan)** Dialog
  - **Settings (Scan and Stitch)** Dialog
- Click **Driver** in the IJ Scan Utility main screen, then set one of the following settings.
  - Select **Magazine** for **Image Adjustment**
  - Select the **Descreen** checkbox

  Refer to "Image Corrections and Color Adjustments" for details.

Note

- If moire appears when you scan a digital print photo, take the above measures and scan again.

Check 4 Clean the platen and document cover.

Check 5 If the item is in poor condition (dirty, faded, etc.), click **Driver** in the IJ Scan Utility main screen, then set **Reduce Dust**, **Fading Correction**, **Grain Correction**, etc.

Refer to "Image Corrections and Color Adjustments" for details.

Check 6 If the color tone of images is different from the original document, take the following measures and scan again.

Click **Driver** in the IJ Scan Utility main screen, then set **Image Adjustment** to **None**.

Refer to "Image Corrections and Color Adjustments" for details.

Scanned Image Is Surrounded by Extra White Areas

Check Specify the scan area.

Manually specify the scan area when there are white margins or unwanted areas along the edges of the scanned images in the **Image Stitch** window.

- Adjusting Cropping Frames in the **Image Stitch** Window

Cannot Scan at the Correct Size

Check Make sure that the items are placed correctly.

- Placing Items (When Scanning from a Computer)

Position or Size of the Image Cannot be Detected Correctly When Scanning from the Operation Panel

Check 1 Make sure that the items are placed correctly.

- Placing Items (When Scanning from a Computer)

Check 2 Check that the settings match the item to be scanned.

If you cannot scan properly by automatically detecting the item type, specify the item type and size.

When Scanning from the Operation Panel:

Refer to "Setting Items for Scanning Using the Operation Panel of the Machine" for your model from Home of the *Online Manual* for details on the setting items when scanning from the operation panel.

When Scanning with IJ Scan Utility:

- Scanning Documents
- Scanning Photos
- Scanning with Favorite Settings

Item Is Placed Correctly, but the Scanned Image Is Slanted

Check When **Document** or **Magazine** is selected for **Select Source**, deselect the **Correct slanted text document** checkbox and scan the item again.

- **Settings (Document Scan)** Dialog
- **Settings (Custom Scan)** Dialog

Scanned Image Is Enlarged (Reduced) on the Computer Monitor

Check 1 Change the display setting in the application.

Refer to the application's manual for details. If you have any questions, contact the manufacturer of the application.

Check 2 Click **Driver** in the IJ Scan Utility main screen, then change the resolution setting and scan again.

The higher the resolution, the larger the resulting image will be.

- Resolution

Problems with the Machine

- The Machine Cannot Be Powered On
- The Machine Turns Off Unintentionally
- Cannot Connect to Computer with a USB Cable Properly
- Cannot Communicate with the Machine with USB Connection
- LCD Cannot Be Seen At All
- An Unintended Language Is Displayed on the LCD
- Print Head Holder Does Not Move to the Position for Replacing

The Machine Cannot Be Powered On

Check1 Press the **ON** button.

Check2 Make sure that the power plug is securely plugged into the power cord connector of the machine, then turn it back on.

Check3 Unplug the machine from the power supply, then plug the machine back in and turn the machine back on after leaving it for at least 3 minutes.

If the problem is not resolved, contact the service center.

The Machine Turns Off Unintentionally

Check Deactivate the setting to turn the unit off automatically.

The machine turns off automatically according to the elapsed time you specified if you activate the setting to turn the unit off automatically.

If you do not want the machine to turn off automatically, open Canon IJ Printer Utility, select **Power Settings** in the pop-up menu, then select **Disable** for **Auto Power Off** on **Auto Power**.

Note

- You can activate the setting to turn the machine on/off automatically from the operation panel of the machine.

  About ECO settings

Cannot Connect to Computer with a USB Cable Properly

Printing or Scanning Speed Is Slow/Hi-Speed USB Connection Does Not Work

If your system environment is not fully compatible with Hi-Speed USB, the machine will operate at a lower speed provided under USB 1.1. In this case, the machine operates properly but printing or scanning speed may slow down due to communication speed.

Check Check the following to make sure that your system environment supports Hi-Speed USB connection.

- Does the USB port on your computer support Hi-Speed USB connection?
- Does the USB cable or the USB hub support Hi-Speed USB connection?

  Be sure to use a certified Hi-Speed USB cable. We recommend that the cable is no longer than around 10 feet / 3 meters.
- Does the operating system of your computer support Hi-Speed USB connection?

  Obtain and install the latest update for your computer.
- Does the Hi-Speed USB driver operate properly?

  Obtain the latest version of the Hi-Speed USB driver compatible with your hardware and reinstall it on your computer.

Important

- For details on Hi-Speed USB of your system environment, contact the manufacturer of your computer, USB cable, or USB hub.

Cannot Communicate with the Machine with USB Connection

Check1 Make sure that the machine is turned on.

Check2 Make sure that the USB cable is connected properly.

See Connecting the Machine to the Computer Using a USB Cable to connect the USB cable properly.

Check3 Do not start up IJ Network Tool while printing.

Check4 Do not print while IJ Network Tool is running.

LCD Cannot Be Seen At All

- **If the POWER lamp is off:**

  The machine is not powered on. Connect the power cord and press the **ON** button.

- **If the POWER lamp is lit:**

  The LCD may be in the screen-saver mode. Press one of the buttons on the operation panel.

An Unintended Language Is Displayed on the LCD

Select the language you want to be displayed according to the following procedure.

1. Press the **HOME** button and wait for about 5 seconds.
2. Select **Setup** on the **HOME** screen.

   LCD and Operation Panel
3. Select **Device settings**, then press the **OK** button.
4. Press the ▼ button 4 times, then press the **OK** button.
5. Use the ▲▼ button to select the language for the LCD, then press the **OK** button.

Print Head Holder Does Not Move to the Position for Replacing

Check1 Is the **POWER** lamp off?

Check if the **POWER** lamp is lit.

The print head holder will not move unless the power is on. If the **POWER** lamp is off, close the operation panel and turn the machine on.

While the **POWER** lamp is flashing, the machine is initializing. Wait until the **POWER** lamp stops flashing and remains lit, and then open the operation panel again.

Check2 Is an error message displayed on the LCD?

Close the operation panel, follow the Support Code (error number) displayed in the error message to resolve the error, and then reopen it. For details on how to resolve the error, refer to Support Code List.

Check3 Has the operation panel been left open for 10 minutes or longer?

If the operation panel is left open for more than 10 minutes, the print head holder moves to the position to protect it to prevent the print head from drying out. Close and reopen the operation panel to return the print head holder to the position for replacing.

Check4 Has the machine been printing continuously for a long period?

Close the operation panel, wait a while, then reopen it.

If the machine has been printing continuously for a long time, the print head holder may not move to the position for replacing since the print head may overheat.

Note

- Opening the operation panel while printing moves the print head holder to the position to protect it. Close the operation panel, and reopen it after printing finishes.

Problems with Installation/Downloading

- Cannot Install the MP Drivers
- Uninstalling IJ Network Tool

Cannot Install the MP Drivers

Download the driver from the support page of our website, then reinstall it.

Uninstalling IJ Network Tool

Follow the procedure below to uninstall IJ Network Tool from your computer.

Important

- Even if IJ Network Tool is uninstalled, you can print over network or scan from the computer. However, you cannot change the network settings over network.

1. Select **Applications** from the **Go** menu of Finder, double-click **Canon Utilities** > **IJ Network Tool**, drag the **Canon IJ Network Tool** icon into the **Trash**.

2. Restart the computer.

   Empty the **Trash** and restart your computer.

   Note

   - To reinstall IJ Network Tool, uninstall IJ Network Tool, then install it again from our website.

About Errors/Messages Displayed

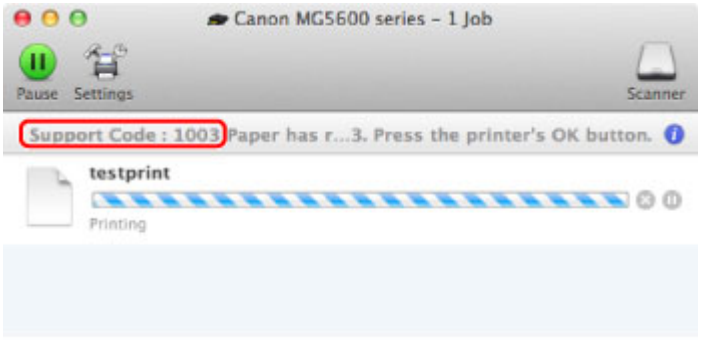
- If an Error Occurs
- A Message Is Displayed
- Error Message Appears on a PictBridge (Wireless LAN) Compliant Device

If an Error Occurs

When an error occurs in printing such as the machine is out of paper or paper is jammed, a troubleshooting message is displayed automatically. Take the appropriate action described in the message.

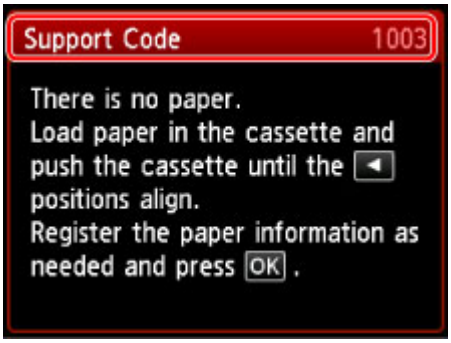
When an error occurs, a Support Code (error number) is displayed on the computer screen or the LCD.

- **When a Support Code and a message are displayed on the computer screen:**



  * The screen differs depending on the OS you are using.

- **When a Support Code and a message are displayed on the LCD:**



For details on how to resolve errors with Support Codes, refer to Support Code List.

Note

- You can confirm the actions against errors with Support Codes on your computer or on the LCD by searching a Support Code.

  Click Here to Search

For details on how to resolve errors without Support Codes, see A Message Is Displayed.

A Message Is Displayed

This section describes some of the errors or messages.

Note

- A Support Code (error number) is displayed on the computer or on the LCD for some error or message. For details on errors with Support Codes, refer to Support Code List.

If a message is displayed on the LCD, see below.

- A Message Is Displayed on the LCD

If a message is displayed on the computer, see below.

- Error Regarding Automatic Duplex Printing Is Displayed
- The Inkjet Printer/Scanner/Fax Extended Survey Program Icon Appears

A Message Is Displayed on the LCD

Confirm the message and take an appropriate action.

- **Power was not turned off correctly the last time. Press the button when turning power off.**

  The power cord may have been unplugged last while the machine was still on.

  Press the **OK** button to dismiss the error.

  Note

  - See Notice for Unplugging the Power Cord for unplugging the power cord.

- **Cannot connect to the server. Please wait a while and try again.**

  You cannot connect to the server due to some communication error. When you have tried to access a photo sharing site, it is possible that your photos have been deleted.

  Press the **OK** button to dismiss the error, then try again after a while.

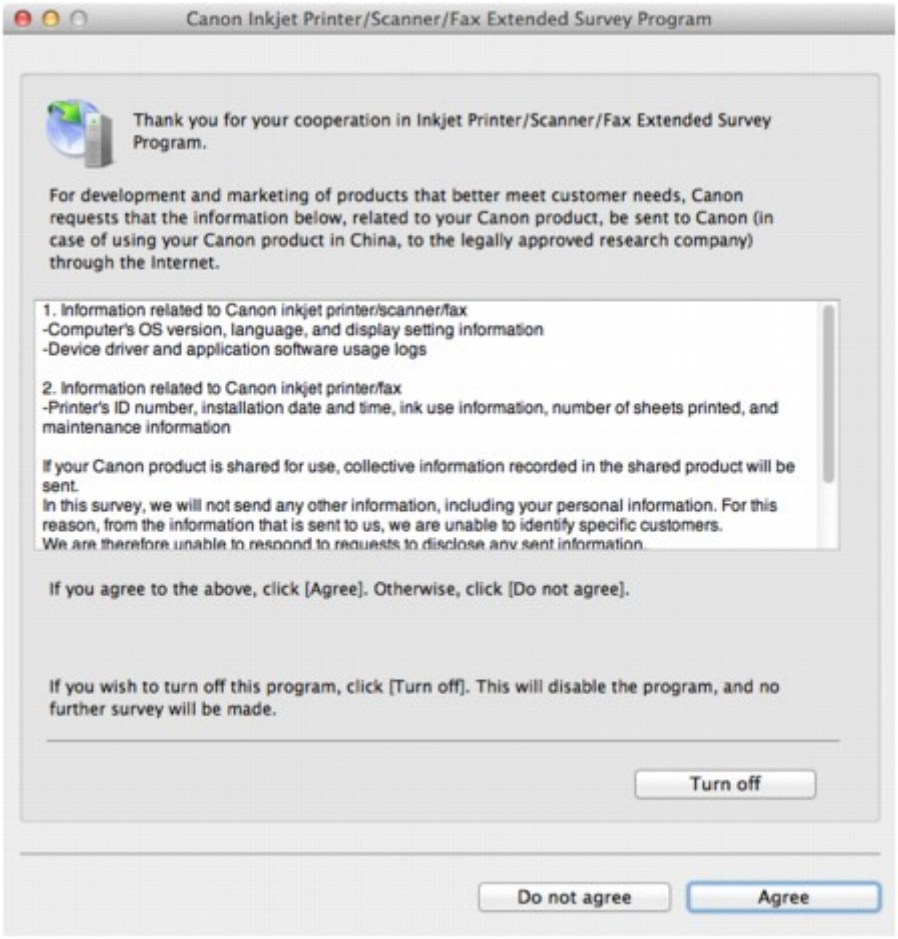
Error Regarding Automatic Duplex Printing Is Displayed

Check See Cannot Print Properly with Automatic Duplex Printing and take the appropriate action.

The Inkjet Printer/Scanner/Fax Extended Survey Program Icon Appears

If the Inkjet Printer/Scanner/Fax Extended Survey Program is installed, the printer and application software usage information is scheduled to be sent every month for about ten years. The **Inkjet Printer/ Scanner/Fax Extended Survey Program** icon appears in the Dock when it is time to send the printer usage information.

Read the instructions on the screen after clicking the icon, then follow the procedure below.



- **If you agree to participate in the survey program:**

  Click **Agree**, then follow the on-screen instructions. The printer usage information will be sent via the Internet. If you have followed the on-screen instructions, the information will be sent automatically from the second time onward and the confirmation screen will not be displayed again.

  Note

  - If you deselect the **Send automatically from the next time** check box, the information will not be sent automatically from the second time onward and the **Inkjet Printer/Scanner/Fax Extended Survey Program** icon will appear in the Dock at the time of the next survey.

- **If you do not agree to participate in the survey program:**

  Click **Do not agree**. The confirmation screen will be closed, and the survey at that time is skipped. The confirmation screen will be displayed again one month later.

- **To stop sending the information:**

  Click **Turn off**. The Inkjet Printer/Scanner/Fax Extended Survey Program is stopped, and the information will not be sent. To resume the survey, see Changing the setting:.

- **To uninstall the Inkjet Printer/Scanner/Fax Extended Survey Program:**

  1. Stop the Inkjet Printer/Scanner/Fax Extended Survey Program.

     Changing the setting:

  2. Select **Applications** from the **Go** menu of Finder, and double-click the **Canon Utilities** folder, then the **Inkjet Extended Survey Program** folder.

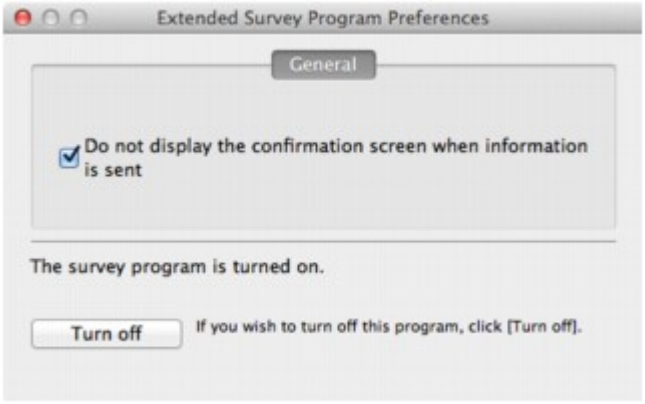
3. Place the **Canon Inkjet Printer/Scanner/Fax Extended Survey Program.app** file into the **Trash**.
4. Restart the computer.

   Empty the **Trash** and restart your computer.

- **Changing the setting:**

  To display the confirmation screen every time the printer usage information is sent or to resume surveying, follow the procedure below.

  1. Select **Applications** from the **Go** menu of Finder, and double-click the **Canon Utilities** folder, then the **Inkjet Extended Survey Program** folder.
  2. Double-click the **Canon Inkjet Printer/Scanner/Fax Extended Survey Program** icon.



  - **Do not display the confirmation screen when information is sent**:

    If the check box is selected, the information will be sent automatically.

    If the check box is not selected, the **Inkjet Printer/Scanner/Fax Extended Survey Program** icon will appear in the Dock at the time of the next survey. Click the icon, then follow the on-screen instructions.

  - **Turn off**/**Turn on** button:

    Click the **Turn off** button to stop the Inkjet Printer/Scanner/Fax Extended Survey Program.

    Click the **Turn on** button to restart the Inkjet Printer/Scanner/Fax Extended Survey Program.

Error Message Appears on a PictBridge (Wireless LAN) Compliant Device

The following are the possible errors that may occur when printing directly from a PictBridge (Wireless LAN) compliant device and the countermeasures to clear them.

Note

- This section describes errors that are indicated on Canon-brand PictBridge (Wireless LAN) compliant devices. The error messages and operations may vary depending on the device you are using. For errors on non-Canon PictBridge (Wireless LAN) compliant devices, check the Support Code (error number) on the LCD and take the appropriate action to clear the error.

  Support Code List

- For the errors indicated on the PictBridge (Wireless LAN) compliant device and their solution, also refer to the instruction manual of the device. For other troubles on the device, contact the manufacturer.

Error Message on the PictBridge (Wireless LAN) Compliant Device	Action
"Printer in use"	If the machine is printing from the computer or warming up, wait until the job ends. When it is ready, the machine starts printing automatically. If the machine is not printing from the computer or warming up, check the Support Code on the LCD and take the appropriate action to resolve the error. Support Code List
"No paper"	Load paper, and select **Continue*** in the display on your PictBridge (Wireless LAN) compliant device. * To resume printing, you can also press the **OK** button on the machine instead of selecting **Continue** on the device.
"Paper Error"	If the paper output tray is closed, open it. The machine resumes printing. If the paper output tray is not closed, check the Support Code on the LCD and take the appropriate action to resolve the error. Support Code List
"Paper jam"	Select **Stop** in the display on your PictBridge (Wireless LAN) compliant device to stop printing. Remove the jammed paper, load new paper, press the **OK** button on the machine, and try printing again.
"Printer cover open"	Close the operation panel on the machine.
"Waste tank full"/"Ink absorber full"	The ink absorber is nearly full.

	Check the Support Code on the LCD and take the appropriate action to resolve the error. Support Code List
"No ink"/"Ink cassette error"	• The ink tank is not installed. Install the ink tank. Replacing an Ink Tank • The ink tank is not compatible with this machine. Printing cannot be executed because the ink tank is not compatible with this machine. Install an appropriate ink tank. If you want to cancel printing, press the machine's **Stop** button. Replacing an Ink Tank • If the lamp on the ink tank is flashing, ink may have run out. Check the Support Code on the LCD and take the appropriate action to resolve the error. Support Code List
"Ink Error"	An ink tank that was once empty is installed. Check the Support Code on the LCD and take the appropriate action to resolve the error. Support Code List
"Hardware Error"	The ink tank cannot be recognized. (The lamp on the ink tank is off.) Replace the ink tank. Replacing an Ink Tank
"Printer error"	An error requiring servicing may have occurred. Turn off the machine, and unplug the power cord of the machine from the power supply. Plug the machine back in and turn the machine back on. If the problem is not resolved, contact the service center.

If You Cannot Resolve the Problem

If you cannot resolve the problem with any of the workarounds in this chapter, please contact the seller of the machine or the service center.

Canon support staff are trained to be able to provide technical support to satisfy customers.

⚠ Caution

- If the machine emits any unusual sound, smoke, or odor, turn it off immediately. Unplug the power cord from the outlet and contact the seller or the service center. Never attempt to repair or disassemble the machine yourself.
- Attempts by customers to repair or take apart the machine will invalidate any warranty regardless of whether the warranty has expired.

Before contacting the service center, confirm the following:

- Product name:

  * Your machine's name is located on the front cover of the setup manual.
- Serial number: please refer to the setup manual
- Details of the problem
- What you tried to solve the problem, and what happened

Support Code List

The support code appears on the LCD and the computer screen when an error occurs.

"Support Code" means the error number and appears with an error message.

When an error occurs, check the support code displayed on the LCD or the computer screen and take the appropriate action.

Support Code Appears on the LCD and the Computer Screen

- **1000 to 1ZZZ**

  1003 1200 1250 1300 1303 1304

  1310 1401 1403 1405 1410 1411

  1412 1413 1414 1600 1660 1680

  1681 1684 1688 1689 1700 1701

  1712 1713 1714 1715 1871 1890

- **2000 to 2ZZZ**

  2110 2120 2700 2900 2901

- **4000 to 4ZZZ**

  4100 4103

- **5000 to 5ZZZ**

  5011 5012 5100 5200 5400 5B00

  5B01 5B12 5B13 5B14 5B15

- **6000 to 6ZZZ**

  6000 6500 6502 6800 6801 6900

  6901 6902 6910 6911 6930 6931

  6932 6933 6936 6937 6938 6940

  6941 6942 6943 6944 6945 6946

- **A000 to ZZZZ**

  B202 B203 B204 C000

About the support code for paper jam, you can also refer to Support Code List (When Paper Is Jammed).

Support Code List (When Paper Is Jammed)

If the paper is jammed, remove it following the procedure appropriate for each case.

- If you can see the jammed paper at the paper output slot:

  1300

- If you cannot see the jammed paper at the paper output slot:

  1303

- If the paper is jammed when automatic duplex printing:

  1304

- If the paper tears and you cannot remove it from the paper output slot or from the transport unit:

  Paper Is Jammed inside the Machine

- Cases other than above:

  In Other Cases

1300

Cause

Paper is jammed in the paper output slot.

Action

If you can see the jammed paper at the paper output slot, remove the paper following the procedure below.

Note

- If you need to turn off the machine to remove jammed paper during printing, press the **Stop** button to cancel print jobs before turning off the machine.

1. Pull the paper out slowly.

   Hold the paper with your hands, then pull the paper out slowly not to tear it.

Note

- If you cannot pull the paper out, turn the machine off and turn it back on. The paper may be ejected automatically.
- If you cannot pull the paper out from the paper output slot, try to pull the paper out from the transport unit.

  1303
- If the paper tears and you cannot remove the jammed paper from the paper output slot, remove the paper from inside the machine.

  Paper Is Jammed inside the Machine

2. Reload the paper, and press the machine's **OK** button.

   If you turned off the machine in step 1, all print jobs in the queue are canceled. Reprint if necessary.

Note

- When reloading the paper, confirm that you are using the paper suited for printing and are loading it correctly.
- We recommend you use paper other than A5 sized one to print documents with photos or graphics; otherwise, the printout may curl and cause paper exit jams.

If you cannot remove the paper or the paper tears inside the machine, or if the paper jam error continues after removing the paper, contact the service center.

1303

Cause

Paper is jammed inside the machine at the transport unit.

Action

If you cannot see the paper at the paper output slot, remove the paper from the transport unit.

Remove the paper following the procedure below.

Note

- If you need to turn off the machine to remove jammed paper during printing, press the **Stop** button to cancel print jobs before turning off the machine.

1. Turn the machine off, then unplug the power cord.

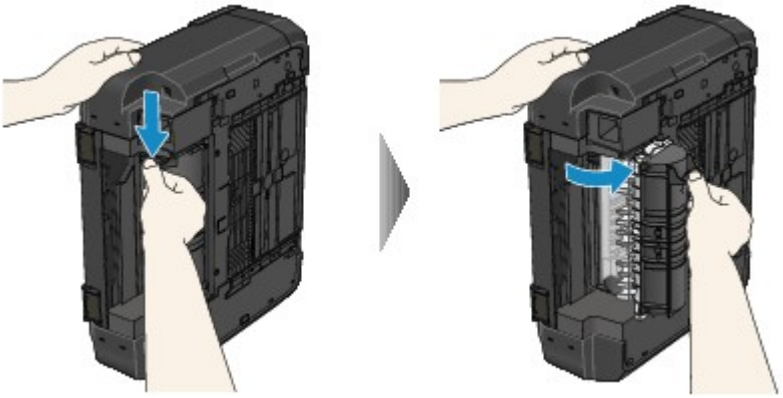
2. Stand the machine with the right side facing down.

   Important

   - When you stand the machine, confirm that the document cover is closed.
   - Stand the machine on a wide and flat surface such as a desk.
   - When you stand the machine, hold it securely and be careful not to hit it on a hard object.

3. Push the open lever to open the transport unit.

   When you open the transport unit, support the machine with your hand so that it does not fall down.



4. Pull out the jammed paper slowly.

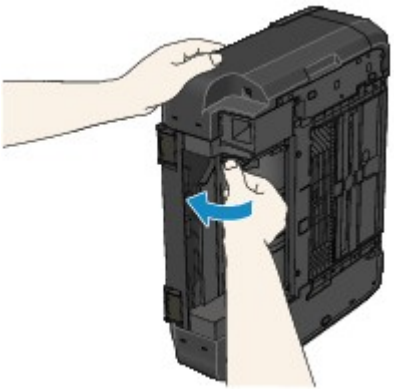
   When you pull the jammed paper, support the machine with your hand so that it does not fall down.

Note

- If the paper is rolled up and it is difficult to remove, grasp the edges of the paper, then remove the jammed paper.
- If you cannot remove the jammed paper from the transport unit, close the transport unit, take back the machine in original position, then remove the paper from inside the machine.

  Paper Is Jammed inside the Machine

5. Close the transport unit.



Note

- After you close the transport unit, take back the machine in original position at once.

6. Plug the machine back in and turn the machine back on.

   All print jobs in the queue are canceled. Reprint if necessary.

If you cannot remove the paper or the paper tears inside the machine, or if the paper jam error continues after removing the paper, contact the service center.

1304

Cause

Paper is jammed when performing automatic duplex printing.

Action

If the paper is jammed when performing automatic duplex printing, remove the paper following the procedure below.

Note

- If you need to turn off the machine to remove jammed paper during printing, press the **Stop** button to cancel print jobs before turning off the machine.

1. Pull the paper out slowly from the paper output slot.

   Hold the paper with your hands, then pull the paper out slowly not to tear it.

2. Reload the paper, and press the machine's **OK** button.

If you were not able to remove the paper out in step 1:

Follow the procedure below to remove the paper from the transport unit.

3. Turn the machine off, then unplug the power cord.

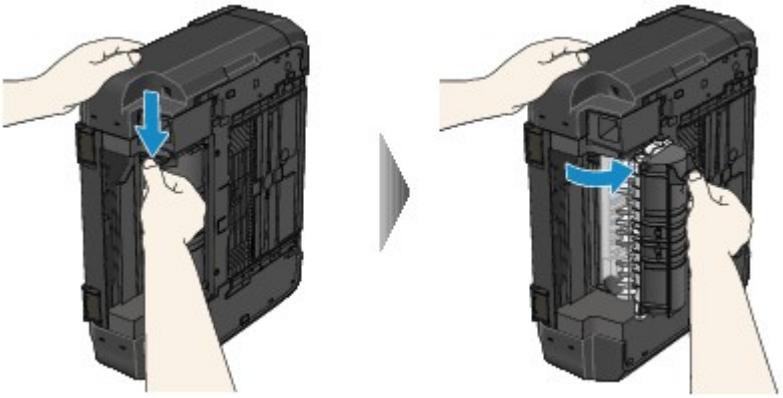
4. Stand the machine with the right side facing down.

   Important

   - When you stand the machine, confirm that the document cover is closed.
   - Stand the machine on a wide and flat surface such as a desk.
   - When you stand the machine, hold it securely and be careful not to hit it on a hard object.

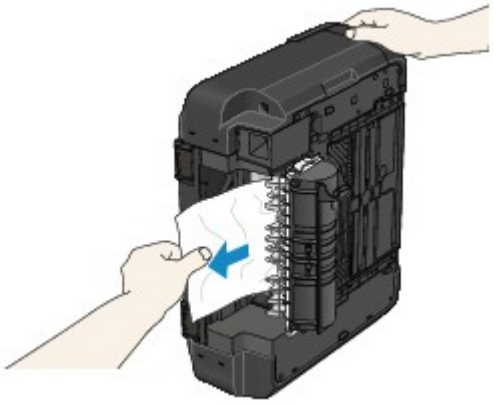
5. Push the open lever to open the transport unit.

   When you open the transport unit, support the machine with your hand so that it does not fall down.



6. Pull out the jammed paper slowly.

   When you pull the jammed paper, support the machine with your hand so that it does not fall down.

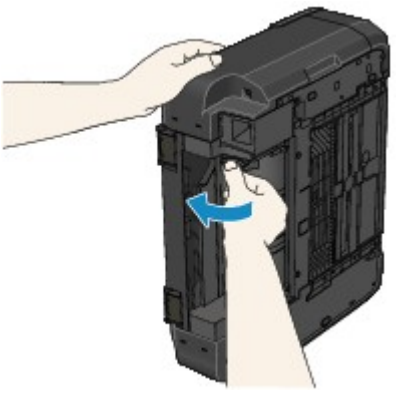


Note

- If the paper is rolled up and it is difficult to remove, grasp the edges of the paper, then remove the jammed paper.
- If you cannot remove the jammed paper from the transport unit, close the transport unit, take back the machine in original position, then remove the paper from inside the machine.

  Paper Is Jammed inside the Machine

7. Close the transport unit.



Note

- After you close the transport unit, take back the machine in original position at once.

8. Plug the machine back in and turn the machine back on.

   All print jobs in the queue are canceled. Reprint if necessary.

If you cannot remove the paper or the paper tears inside the machine, or if the paper jam error continues after removing the paper, contact the service center.

Paper Is Jammed inside the Machine

If the jammed paper tears and you cannot remove the paper either from the paper output slot or from the transport unit, or if the jammed paper remains inside the machine, remove the paper following the procedure below.

Note

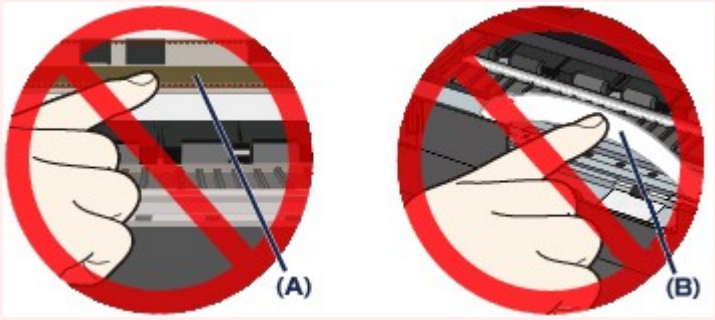
- If you need to turn off the machine to remove jammed paper during printing, press the **Stop** button to cancel print jobs before turning off the machine.

1. Turn off the machine, and unplug the power cord of the machine from the power supply.

2. Lift up and open the operation panel until it stops.

Important

- Do not touch the clear film (A) or the white belt (B).



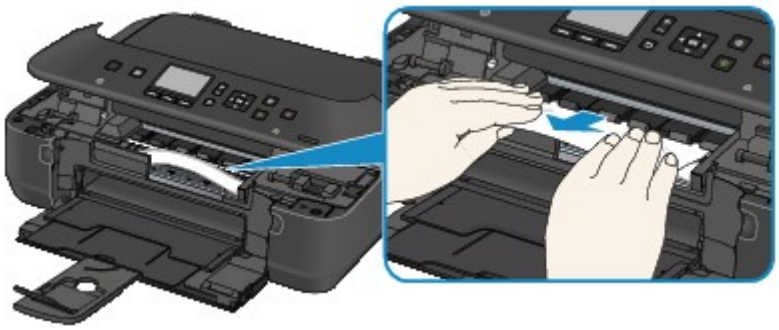
If the paper or your hands touch these parts and blot or scratch them, the machine can be damaged.

3. Make sure that the jammed paper is not under the print head holder.

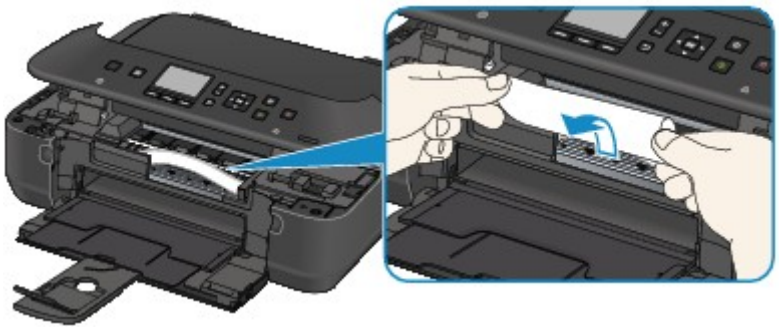
If the jammed paper is under the print head holder, move the print head holder to the right edge or the left edge whichever is easier to remove the paper.

When you move the print head holder, hold the top of the print head holder and slide it slowly to the right edge or the left edge.

4. Hold the jammed paper with your hands.

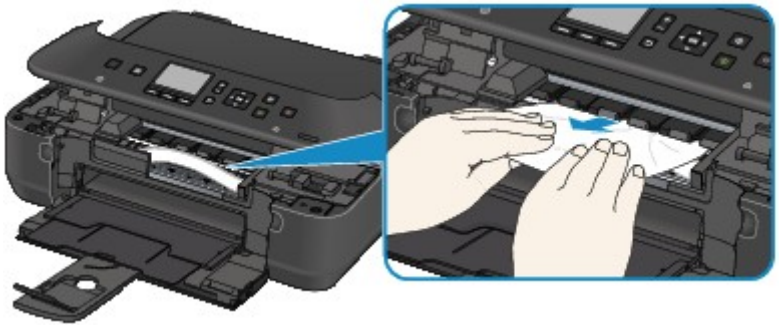


If the paper is rolled up, pull it out.



5. Pull the paper slowly not to tear it, then pull the paper out.

Keep an angle of the paper about 45 degrees and pull it slowly.

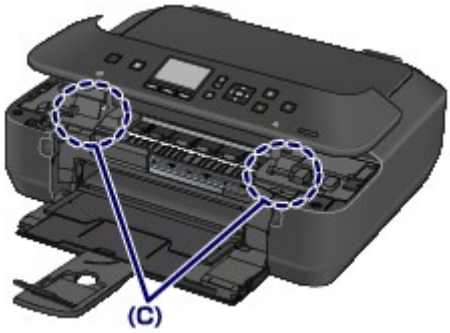


6. Make sure that all the jammed paper is removed.

If the paper is torn, a piece of paper may remain inside the machine. Check the following and remove the piece of paper if it remains.

- Does the piece of paper remain under the print head holder?
- Does the little piece of paper remain inside the machine?

- Does the piece of paper remain in the right side or the left side space (C) inside the machine?



7. Close the operation panel slowly.

   All print jobs in the queue are canceled. Reprint if necessary.

   Note

   - When reloading the paper, confirm that you are using the paper suited for printing and are loading it correctly. If the message about paper jam is displayed on the LCD of the machine or on the computer screen when you resume printing after removing all the jammed paper, a piece of paper may remain inside the machine. In this case, confirm that no piece of paper remains inside the machine.

If you cannot remove the paper or the paper tears inside the machine, or if the paper jam error continues after removing the paper, contact the service center.

In Other Cases

Make sure of the following:

Check1 Are there any foreign objects around the paper output slot?

Check2 Is the paper curled?

Load the paper after correcting its curl.

1003

Cause

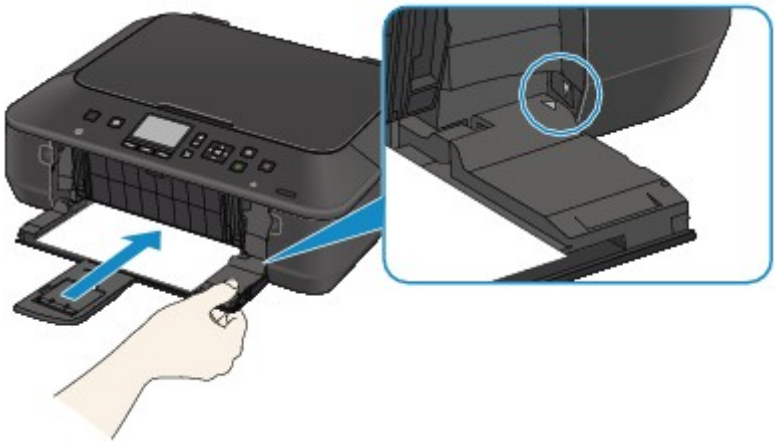
The machine is out of paper, or paper does not feed.

Action

Close the paper output tray, pull the cassette out, then load the paper.

When you load the paper, insert the paper stack until the leading edge touches the far end of the cassette.

After loading the paper, push the cassette so that the ▷ mark on the cassette aligns with the ◁ mark on the machine.



Open the paper output tray, then press the machine's **OK** button.

Note

- If you want to cancel printing, press the machine's **Stop** button.

1200

Cause

The operation panel is open.

Action

Close the operation panel and wait for a while.

Do not close it while you are replacing an ink tank.

1250

Cause

The paper output tray is closed.

Action

Open the paper output tray to resume printing.

1310

Cause

The size of paper may not be compatible with automatic duplex printing.

Action

The sizes of media suitable for auto duplex printing are A4 and Letter. Make sure that the size of the paper loaded in the machine is correct. Pressing the **OK** button will eject the paper and restart printing from the front side of the next paper. The reverse side of the ejected sheet will not be printed.

1401

Cause

The print head may be damaged.

Action

Contact the service center.

1403

Cause

The print head may be damaged.

Action

Contact the service center.

1405

Cause

The print head may be damaged.

Action

Contact the service center.

1410

Cause

The ink tank cannot be recognized.

Action

Open the operation panel and replace the ink tank which lamp is off.

1411

Cause

The ink tank cannot be recognized.

Action

Open the operation panel and replace the ink tank which lamp is off.

1412

Cause

The ink tank cannot be recognized.

Action

Open the operation panel and replace the ink tank which lamp is off.

1413

Cause

The ink tank cannot be recognized.

Action

Open the operation panel and replace the ink tank which lamp is off.

1414

Cause

The ink tank cannot be recognized.

Action

Open the operation panel and replace the ink tank which lamp is off.

1600

Cause

If the lamp on the ink tank is flashing, ink may have run out.

Action

Replacing the ink tank is recommended.

If printing is in progress and you want to continue printing, press the machine's **OK** button with the ink tank installed. Then printing can continue. Replacing the ink tank is recommended after the printing. The machine may be damaged if printing is continued under the ink out condition.

Note

- If multiple ink lamps are flashing red, check the status of each ink tank.

1660

Cause

The ink tank is not installed.

Action

Install the ink tank.

1680

Cause

Some ink tanks are not installed in the correct position. (The lamp on the ink tank flashes.)

Action

Confirm that the ink tanks are installed in the appropriate positions.

1681

Cause

More than one ink tanks of the same color are installed. (The lamp on the ink tank flashes.)

Action

Confirm that the ink tanks are installed in the appropriate positions.

1684

Cause

The ink tank cannot be recognized.

Action

Printing cannot be executed because the ink tank may not be installed properly or may not be compatible with this machine.

Install the appropriate ink tank.

If you want to cancel printing, press the machine's **Stop** button.

1688

Cause

The ink has run out. (The lamp on the ink tank flashes.)

Action

Replace the ink tank and close the operation panel.

Printing under the current condition may damage the machine.

If you want to continue printing in this condition, you need to release the function for detecting the remaining ink level. Press and hold the machine's **Stop** button for at least 5 seconds, and then release it.

With this operation, releasing the function for detecting the remaining ink level is memorized. Please be advised that Canon shall not be liable for any malfunction or trouble which may be caused by continuation of printing under the ink out condition.

Note

- If the function for detecting the remaining ink level is disabled, the ink tank in gray is displayed on the LCD when checking the current ink level.

1689

Cause

Printer detected ink out condition (The lamp on the ink tank flashes).

Action

Replace the ink tank and close the operation panel.

An ink tank that was once empty is installed.

Printing under the ink out condition may damage the machine.

If you want to continue printing, you need to release the function for detecting the remaining ink level. To release this function, press and hold the machine's **Stop** button for at least 5 seconds, and then release it.

With this operation, releasing the function for detecting the remaining ink level is memorized. Please be advised that Canon shall not be liable for any malfunction or trouble caused by continuation of printing under the ink out condition or refilled ink tanks.

Note

- If the function for detecting the remaining ink level is disabled, the ink tank in gray is displayed on the LCD when checking the current ink level.

1700

Cause

The ink absorber is almost full.

Action

Press the machine's **OK** button to continue printing. Contact the service center.

1701

Cause

The ink absorber is almost full.

Action

Press the machine's **OK** button to continue printing. Contact the service center.

1712

Cause

The ink absorber is almost full.

Action

Press the machine's **OK** button to continue printing. Contact the service center.

1713

Cause

The ink absorber is almost full.

Action

Press the machine's **OK** button to continue printing. Contact the service center.

1714

Cause

The ink absorber is almost full.

Action

Press the machine's **OK** button to continue printing. Contact the service center.

1715

Cause

The ink absorber is almost full.

Action

Press the machine's **OK** button to continue printing. Contact the service center.

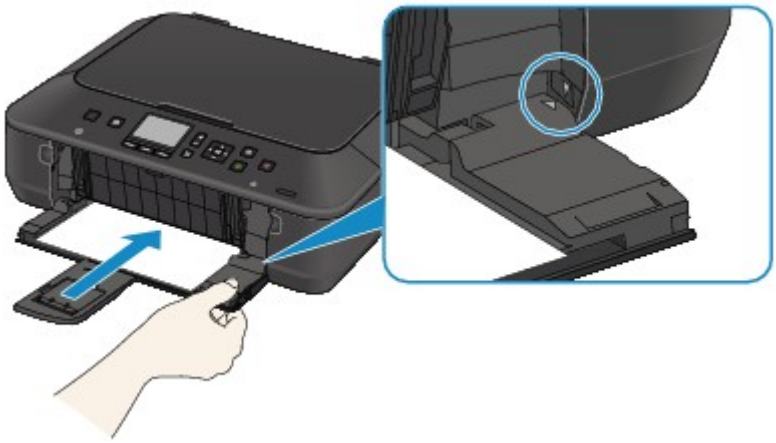
1871

Cause

The cassette is not inserted.

Action

Close the paper output tray, push the cassette so that the ▷ mark on the cassette aligns with the ◁ mark on the machine.



Open the paper output tray, then press the machine's **OK** button.

Note

- The cassette paper information registration screen is displayed after inserting the cassette. Register the cassette paper information according to the paper you loaded in the cassette.
- If you want to cancel printing, press the machine's **Stop** button.

1890

Cause

The protective material for the print head holder or the tape may remain attached to the holder.

Action

Open the operation panel, then confirm that the protective material or the tape does not remain attached to the print head holder.

If you find the protective material or the tape remains attached, remove it, then close the operation panel.

If the problem is not resolved, contact the service center.

2110

Cause

The paper settings for printing or copying are different from the cassette paper information registered to the machine.

Note

- For details on the proper combination of paper settings you can specify by the printer driver or on the LCD:

  Setting the Media Type with the Printer Driver and on the Printer (Windows)

  Setting the Media Type with the Printer Driver and on the Printer (Mac)

  Setting the Paper Size with the Printer Driver and on the Printer (Windows)

  Setting the Paper Size with the Printer Driver and on the Printer (Mac)
- For copying, specify the paper settings for copying so that they match the cassette paper information.
- For details on the cassette paper information registering to the machine:

  Paper setting for Printing (Windows)

  Paper setting for Printing (Mac)

  Paper setting for Printing (Smartphone and so on)

If the paper settings for printing or copying are different from the cassette paper information registered to the machine as the following, a message is displayed on the LCD.

- Print settings specified on the printer driver:

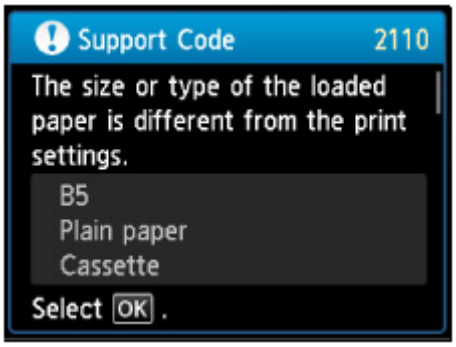
  Paper size: B5

  Media type: Plain paper
- Cassette paper information registered to the machine:

  Paper size: A4

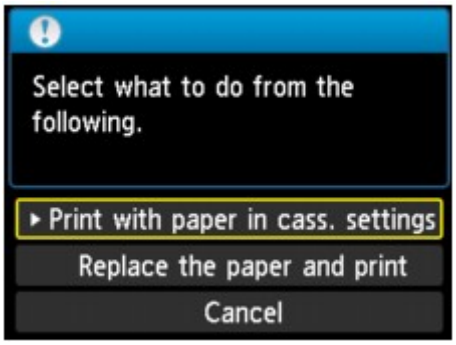
  Media type: Plain paper

Print settings specified for printing or copying is displayed below the message.



Action

Pressing the machine's **OK** button, the following screen is displayed on the LCD.



Select what to do as necessary.

Note

- Depending on the setting, the choices below may not be displayed.

Print with paper in cass. settings

Select if you want to print on the paper loaded in the cassette without changing the paper settings.

For example, when the paper setting for printing or copying is B5 and the cassette paper information registered to the machine is A4, the machine starts printing or copying with B5 on the paper loaded in the cassette.

Replace the paper and print

Select if you want to print after replacing the paper of the cassette.

For example, when the paper setting for printing or copying is B5 and the cassette paper information registered to the machine is A4, you load B5 sized paper in the cassette before you start printing or copying.

The cassette paper information registration screen is displayed after replacing the paper and inserting the cassette. Register the cassette paper information according to the paper you loaded in the cassette.

Note

- If you do not know what paper information to register to the machine, press the **Back** button when the screen to select the operation is displayed. When the previous screen is displayed, confirm the paper size and the media type, then register them to the machine.
- For details on the proper combination of paper settings you can specify by the printer driver or on the LCD:

  Setting the Media Type with the Printer Driver and on the Printer (Windows)

  Setting the Media Type with the Printer Driver and on the Printer (Mac)

  Setting the Paper Size with the Printer Driver and on the Printer (Windows)

  Setting the Paper Size with the Printer Driver and on the Printer (Mac)

Cancel

Cancels printing.

Select when you change the paper settings specified for printing or copying. Change the paper settings, then try printing again.

Note

- You can disable the message which prevents misprinting. When you disable the message, the machine starts printing or copying even though the paper settings for printing or copying and the cassette paper information registered to the machine are different.
  - To change the setting using the operation panel:

    Cassette settings (Windows)

    Cassette settings (Mac)

    Cassette settings (Smartphone and so on)
  - To change the setting using the printer driver:

    Changing the Printer Operation Mode (Windows)

    Changing the Printer Operation Mode (Mac)

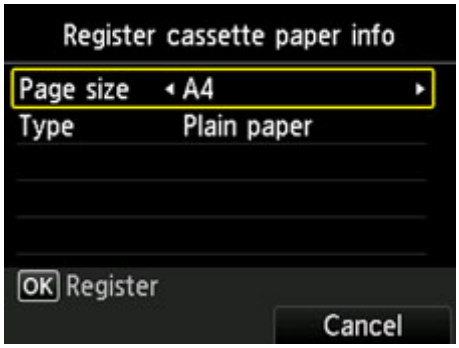
2120

Cause

The paper settings of the cassette is not complete.

Action

If the following screen is displayed, the paper settings of cassette is not complete.



Press the machine's **OK** button or the right **Function** button to terminate the paper settings of the cassette.

2700

Cause

Some errors occurred while copying and a certain time passed.

Action

Press the **OK** button to dismiss the error, and try to copy again.

2900

Cause

Scanning the print head alignment sheet has failed.

Action

Press the **OK** button to dismiss the error, then take the actions described below.

- Make sure that the print head alignment sheet is set in the correct position and orientation on the platen glass.
- Make sure the platen glass and the print head alignment sheet are not dirty.
- Make sure the type and size of loaded paper is suitable for Automatic Print Head Alignment.

  For Automatic Print Head Alignment, always load one sheet of A4 or Letter-sized plain paper.
- Make sure if print head nozzles are clogged.

  Print the nozzle check pattern to check the status of the print head.

If the error is not resolved, perform Manual Print Head Alignment.

2901

Cause

Printing of the print head alignment pattern is complete and the machine is in waiting for scanning the sheet.

Action

Proceed to scan the printed alignment pattern.

1. Load the print head alignment sheet on the platen glass.

   Load the print head alignment sheet with the printed side facing down and align the mark ◤ on the upper left corner of the sheet with the alignment mark ⬎.

2. Close the document cover gently, then press the machine's **OK** button.

   The machine starts scanning the print head alignment sheet, and the print head position will be adjusted automatically.

4100

Cause

The specified data cannot be printed.

Action

When you print the contents on CREATIVE PARK PREMIUM, confirm the message on the computer screen, make sure that genuine Canon ink tanks are installed properly for all colors, then start printing again.

4103

Cause

Cannot perform printing with the current print settings.

Action

Press the machine's **Stop** button to cancel printing.

Then change the print settings and print again.

5011

Cause

Printer error has occurred.

Action

Turn off the machine, and unplug the power cord of the machine from the power supply.

Plug the machine back in and turn the machine back on.

If the problem is not resolved, contact the service center.

5012

Cause

Printer error has occurred.

Action

Turn off the machine, and unplug the power cord of the machine from the power supply.

Plug the machine back in and turn the machine back on.

If the problem is not resolved, contact the service center.

5100

Cause

Printer error has occurred.

Action

Cancel printing and turn off the machine.

Then confirm the following.

- Confirm that there are no materials (e.g. the protective material or jammed paper) that is preventing the print head holder from moving.

  If any, remove the materials.

- Confirm that the ink tanks are installed properly.

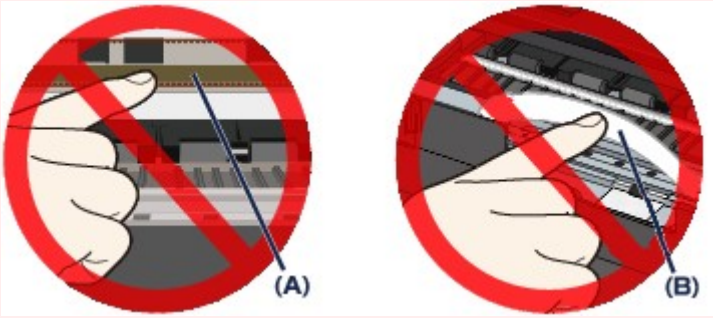
  Push an ink tank until it clicks into place.

After confirming the conditions above, turn on the machine again.

If the problem is not resolved, contact the service center.

Important

- When you clear the jammed paper or protective material that is preventing the print head holder from moving, be careful not to touch the clear film (A) or the white belt (B).

  If the paper or your hands touch these parts and blot or scratch them, the machine can be damaged.

5200

Cause

Printer error has occurred.

Action

Turn off the machine, and unplug the power cord of the machine from the power supply.

Plug the machine back in and turn the machine back on.

If the problem is not resolved, contact the service center.

5400

Cause

Printer error has occurred.

Action

Turn off the machine, and unplug the power cord of the machine from the power supply.

Plug the machine back in and turn the machine back on.

If the problem is not resolved, contact the service center.

5B00

Cause

Printer error has occurred.

Action

Contact the service center.

5B01

Cause

Printer error has occurred.

Action

Contact the service center.

5B12

Cause

Printer error has occurred.

Action

Contact the service center.

5B13

Cause

Printer error has occurred.

Action

Contact the service center.

5B14

Cause

Printer error has occurred.

Action

Contact the service center.

5B15

Cause

Printer error has occurred.

Action

Contact the service center.

6000

Cause

Printer error has occurred.

Action

Turn off the machine, and unplug the power cord of the machine from the power supply.

Plug the machine back in and turn the machine back on.

If the problem is not resolved, contact the service center.

6500

Cause

Printer error has occurred.

Action

Turn off the machine, and unplug the power cord of the machine from the power supply.

Plug the machine back in and turn the machine back on.

If the problem is not resolved, contact the service center.

6502

Cause

Printer error has occurred.

Action

Turn off the machine, and unplug the power cord of the machine from the power supply.

Plug the machine back in and turn the machine back on.

If the problem is not resolved, contact the service center.

6800

Cause

Printer error has occurred.

Action

Turn off the machine, and unplug the power cord of the machine from the power supply.

Plug the machine back in and turn the machine back on.

If the problem is not resolved, contact the service center.

6801

Cause

Printer error has occurred.

Action

Turn off the machine, and unplug the power cord of the machine from the power supply.

Plug the machine back in and turn the machine back on.

If the problem is not resolved, contact the service center.

6900

Cause

Printer error has occurred.

Action

Turn off the machine, and unplug the power cord of the machine from the power supply.

Plug the machine back in and turn the machine back on.

If the problem is not resolved, contact the service center.

6901

Cause

Printer error has occurred.

Action

Turn off the machine, and unplug the power cord of the machine from the power supply.

Plug the machine back in and turn the machine back on.

If the problem is not resolved, contact the service center.

6902

Cause

Printer error has occurred.

Action

Turn off the machine, and unplug the power cord of the machine from the power supply.

Plug the machine back in and turn the machine back on.

If the problem is not resolved, contact the service center.

6910

Cause

Printer error has occurred.

Action

Turn off the machine, and unplug the power cord of the machine from the power supply.

Plug the machine back in and turn the machine back on.

If the problem is not resolved, contact the service center.

6911

Cause

Printer error has occurred.

Action

Turn off the machine, and unplug the power cord of the machine from the power supply.

Plug the machine back in and turn the machine back on.

If the problem is not resolved, contact the service center.

6930

Cause

Printer error has occurred.

Action

Turn off the machine, and unplug the power cord of the machine from the power supply.

Plug the machine back in and turn the machine back on.

If the problem is not resolved, contact the service center.

6931

Cause

Printer error has occurred.

Action

Turn off the machine, and unplug the power cord of the machine from the power supply.

Plug the machine back in and turn the machine back on.

If the problem is not resolved, contact the service center.

6932

Cause

Printer error has occurred.

Action

Turn off the machine, and unplug the power cord of the machine from the power supply.

Plug the machine back in and turn the machine back on.

If the problem is not resolved, contact the service center.

6933

Cause

Printer error has occurred.

Action

Turn off the machine, and unplug the power cord of the machine from the power supply.

Plug the machine back in and turn the machine back on.

If the problem is not resolved, contact the service center.

6936

Cause

Printer error has occurred.

Action

Turn off the machine, and unplug the power cord of the machine from the power supply.

Plug the machine back in and turn the machine back on.

If the problem is not resolved, contact the service center.

6937

Cause

Printer error has occurred.

Action

Turn off the machine, and unplug the power cord of the machine from the power supply.

Plug the machine back in and turn the machine back on.

If the problem is not resolved, contact the service center.

6938

Cause

Printer error has occurred.

Action

Turn off the machine, and unplug the power cord of the machine from the power supply.

Plug the machine back in and turn the machine back on.

If the problem is not resolved, contact the service center.

6940

Cause

Printer error has occurred.

Action

Turn off the machine, and unplug the power cord of the machine from the power supply.

Plug the machine back in and turn the machine back on.

If the problem is not resolved, contact the service center.

6941

Cause

Printer error has occurred.

Action

Turn off the machine, and unplug the power cord of the machine from the power supply.

Plug the machine back in and turn the machine back on.

If the problem is not resolved, contact the service center.

6942

Cause

Printer error has occurred.

Action

Turn off the machine, and unplug the power cord of the machine from the power supply.

Plug the machine back in and turn the machine back on.

If the problem is not resolved, contact the service center.

6943

Cause

Printer error has occurred.

Action

Turn off the machine, and unplug the power cord of the machine from the power supply.

Plug the machine back in and turn the machine back on.

If the problem is not resolved, contact the service center.

6944

Cause

Printer error has occurred.

Action

Turn off the machine, and unplug the power cord of the machine from the power supply.

Plug the machine back in and turn the machine back on.

If the problem is not resolved, contact the service center.

6945

Cause

Printer error has occurred.

Action

Turn off the machine, and unplug the power cord of the machine from the power supply.

Plug the machine back in and turn the machine back on.

If the problem is not resolved, contact the service center.

6946

Cause

Printer error has occurred.

Action

Turn off the machine, and unplug the power cord of the machine from the power supply.

Plug the machine back in and turn the machine back on.

If the problem is not resolved, contact the service center.

B202

Cause

An error requiring you to contact the service center has occurred.

Action

Turn off the machine, and unplug the power cord of the machine from the power supply.

Contact the service center.

B203

Cause

An error requiring you to contact the service center has occurred.

Action

Turn off the machine, and unplug the power cord of the machine from the power supply.

Contact the service center.

B204

Cause

An error requiring you to contact the service center has occurred.

Action

Turn off the machine, and unplug the power cord of the machine from the power supply.

Contact the service center.

C000

Cause

Printer error has occurred.

Action

Cancel printing and turn off the machine.

Then confirm the following.

- Confirm that there are no materials (e.g. the protective material or jammed paper) that is preventing the print head holder from moving.

  If any, remove the materials.

- Confirm that the ink tanks are installed properly.

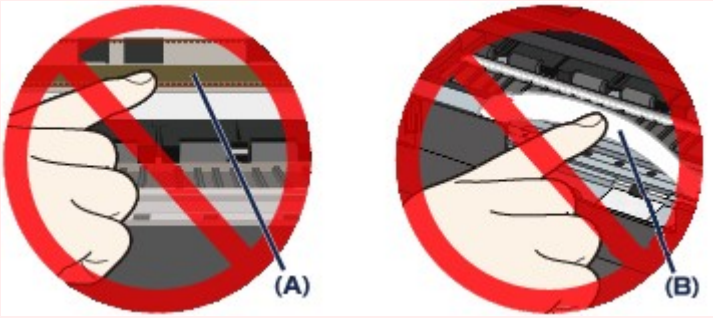
  Push an ink tank until it clicks into place.

After confirming the conditions above, turn on the machine again.

If the problem is not resolved, contact the service center.

Important

- When you clear the jammed paper or protective material that is preventing the print head holder from moving, be careful not to touch the clear film (A) or the white belt (B).

  If the paper or your hands touch these parts and blot or scratch them, the machine can be damaged.