AirPrint

Only AirPrint certified machines can use the AirPrint feature. Check the box your machine came in for the AirPrint certified mark.

AirPrint allows you to wirelessly print directly from iPhone, iPad and iPod touch running the latest version of iOS.

Setting up AirPrint

Bonjour(mDNS) and IPP protocols are required on your machine to use the **AirPrint** feature. You can enable the **AirPrint** feature by one of the following methods.

1 Check whether the machine is connected to the network.

2 Start a web browser such as Internet Explorer, Safari, or Firefox and enter your machine's new IP address in the browser window.

For example,

3 Click **Login** in the upper right of the SyncThru™ Web Service website.

4 Type in the **ID** and **Password**, then click **Login**. Type in the below default ID and password. We recommend you to change the default password for security reasons.

- **ID: admin**

- **Password: sec00000**

5 When the SyncThru™ Web Service window opens, click **Settings** > **Network Settings**.

6 Click **Raw TCP/IP, LPR, IPP** or **mDNS** .

You can enable the IPP protocol or mDNS protocol.

Printing via AirPrint

For example, the iPad manual provides these instructions:

1 Open your email, photo, web page, or document you want to print.

2 Touch the action icon( ).

3 Select **your printer driver name** and option menu to set up.

4 Touch **Print** button. Print it out.

Cancelling print job: To cancel the printing job or view the print summary, click the print center icon ( ) in multitasking area. You can click cancel in the print center.

Samsung Cloud Print

Samsung Cloud Print is a free cloud service that allows you to print or scan from your smartphone or tablet to your Samsung printer or MFP. After installing the Samsung Cloud Print app, you can register with the Samsung Cloud Print service just using your mobile number for authentication. No other account login is required, although you can link the app to your Samsung Account if you wish.

> If you press the ( ) button from Samsung Cloud Print app, Your mobile device and printer or MFP can be paired , QR code, or by manually entering its MAC address. Once paired, you can print or scan from anywhere and everywhere.

Registering your Printer to Samsung Cloud server

Registering from Web Browser

> • Make sure the printer machine is turned on and connected to a wired or wireless network that has access to the Internet.

1 Open Web browser.

2 Enter your printer's IP address in the address field and press the Enter key or click **Go**.

3 Click **Login** in the upper right corner of the **SyncThru™ Web Service** website.

4 If it's your first time logging into **SyncThru™ Web Service** you need to log-in as an administrator. Type in the below default **ID** and **Password**. We recommend you to change the default password for security reasons.

• **ID: admin**

• **Password: sec00000**

> If you want to create a new user or change the password, see "Security tab" on page 214.

5 When the **SyncThru™ Web Service** window opens, click **Settings** > **Network Settings** > **Samsung Cloud Print**.

6 Enable Samsung Cloud Print Protocol.

7 Now your printer is registered with Samsung Cloud Print service.

Samsung Cloud Print

Printing with Samsung Cloud Print

 Make sure the printer is turned on and connected to a wired or wireless network that has access to the Internet.

Registering a printer from an application on mobile device

The following steps are an example of using the **Samsung Cloud Print** app from Android mobile phone.

1 Open **Samsung Cloud Print** app.

 If you do not have **Samsung Cloud Print** app installed on your cellphone, go to the application store (Samsung Apps, Play Store, App Store) on your mobile device, and just search for download the app and try again.

2 Press the ( ) button from Samsung Cloud Print app.

3 Your mobile device and printer or MFP can be paired NFC tapping, QR code or by manually entering its MAC address.

Printing from an application on mobile device

The following steps are an example of using the **Samsung Cloud Print** app from Android mobile phone.

1 Open **Samsung Cloud Print** app.

 If you do not have **Samsung Cloud Print** app installed on your cellphone, go to the application store (Samsung Apps, Play Store, App Store) on your mobile device, and just search for download the app and try again.

2 Tap the option check button of the document that you want to print.

3 Set the printing options if you want.

4 Tap **Send Job**.

Google Cloud Print™

Google Cloud Print™ is a service that allows you to print to a printer using your smart phone, tablet, or any other web-connected devices. Just register your Google account with the printer, and you are ready to use the Google Cloud Print™ service. You can print your document or email with Chrome OS, Chrome browser, or a Gmail™/ Google Docs™ application on your mobile device, so you don't need to install the printer driver on the mobile device. Refer to the Google website (http://www.google.com/cloudprint/learn/or http://support.google.com/cloudprint) for more information about Google Cloud Print™.

Registering your Google account to the printer

> • Make sure the printer machine is turned on and connected to a wired or wireless network that has access to the Internet.
>
> • You should create your **Google** account in the advance.

1 Open the Chrome browser.

2 Visit www.google.com.

3 Sign in to the Google website with your Gmail™ address.

4 Enter your printer's IP address in the address field and press the Enter key or click **Go**.

5 Click **Login** in the upper right corner of the **SyncThru™ Web Service** website.

6 If it's your first time logging into **SyncThru™ Web Service** you need to log-in as an administrator. Type in the below default **ID** and **Password**. We recommend you to change the default password for security reasons.

- • **ID: admin**
- • **Password: sec00000**

> If the network environment is using a proxy server, you need to configure the proxy's IP and port number from **Settings** > **Network Settings** > **Google Cloud Print** > **Proxy Setting**. Contact your network service provider or network administrator for more information.

7 When the **SyncThru™ Web Service** window opens, click **Settings** > **Network Settings** > **Google Cloud Print**.

8 Enter your printer's name and description.

9 Click **Register**.

The confirmation pop-up window appears.

> If you set the browser to block pop-ups, the confirmation window will not appear. Allow the site to show pop-ups.

10 Click **Finish printer registration**.

Google Cloud Print™

11 Click **Manage your printers**.

Now your printer is registered with Google Cloud Print™ service.

Google Cloud Print™-ready devices will appear in the list.

Printing with Google Cloud Print™

The printing procedure varies depending on the application or the device you are using. You can see the application list that supports Google Cloud Print™ service.

 Make sure the printer is turned on and connected to a wired or wireless network that has access to the Internet.

Printing from an application on mobile device

The following steps are an example of using the Google Docs™ app from Android mobile phone.

1 Install the **Cloud Print** application on your mobile device.

 If you do not have the application, download it from the application store such as Android Market or App Store.

2 Access the Google Docs™ application from your mobile device.

3 Tap the option button of the document that you want to print.

4 Tap the send button.

5 Tap the Cloud Print button.

6 Set the printing options if you want.

7 Tap **Click here to Print**.

Printing from the Chrome browser

The following steps are an example of using the Chrome browser.

1 Run Chrome.

2 Open the document or email that you want to print.

3 Click the wrench icon in the browser's top right corner.

4 Click **Print**. A new tab for printing appears.

5 Select **Print with Google Cloud Print**.

6 Click the **Print** button.

3. Special Features

This chapter explains special printing features.

The procedures in this chapter are mainly based on Windows 7.

Altitude adjustment

Print quality is affected by atmospheric pressure, which is determined by the height of the machine above sea level. The following information will guide you on how to set your machine for the best print quality.

Before you set the altitude value, determine the altitude where you are.

- Normal**:** 0-1,000 m(3,280 ft)

- High1**:** 1,000 m(3,280 ft)-2,000 m(6,561 ft)

- High2**:** 2,000 m(6,561 ft)-3,000 m(9,842 ft)

- High3**:** 3,000 m(9,842 ft)-4,000 m(13,123 ft)

- High4**:** 4,000 m(13,123 ft)-5,000 m(16,404 ft)

You can set the altitude value from **Device Settings** in Samsung Easy Printer Manager program.

- For Windows and Mac users, you set from **Samsung Easy Printer Manager** > ⤢ **(Switch to advanced mode)** > **Device Settings**, see "Device Settings" on page 185.

 If your machine is connected to the network, you can set the altitude via SyncThru™ Web Service (see "Using SyncThru™ Web Service" on page 182).

Changing the default print settings

1 Click the Windows **Start** menu.

- For Windows 8, from the **Charms**, select **Search** > **Settings**.

2 For Windows XP/Server 2003, select **Printer and Faxes**.

- For Windows Server 2008/Vista, select **Control Panel** > **Hardware and Sound** > **Printers**.

- For Windows Server 2008 R2, select **Control Panel** > **Hardware** > **Devices and Printers**.

- For Windows 7/ Windows 8, select **Control Panel** > **Devices and Printers**.

3 Right-click on your machine.

4 For Windows XP/Server 2003/Server 2008/Vista, select **Printing Preferences**.

For Windows 7/ Windows 8 or Windows Server 2008 R2, from context menus, select **Printing preferences**.

> If **Printing preferences** has a ►, you can select other printer drivers connected to the selected printer.

5 Change the settings on each tab.

6 Click **OK**.

> If you want to change the settings for each print job, change it in **Printing Preferences**.

Setting your machine as a default machine

1 Click the Windows **Start** menu.

- For Windows 8, from the **Charms**, select **Search** > **Settings**.

2 For Windows XP/Server 2003, select **Printer and Faxes**.

- For Windows Server 2008/Vista, select **Control Panel** > **Hardware and Sound** > **Printers**.

- For Windows Server 2008 R2, select **Control Panel** > **Hardware** > **Devices and Printers**.

- For Windows 7/ Windows 8, select **Control Panel** > **Devices and Printers**.

3 Select your machine.

4 Right-click your machine and select **Set as Default Printer**.

 For Windows 7/ Windows 8 or Windows Server 2008 R2, if **Set as default printer** has a ►, you can select other printer drivers connected to the selected printer.

Using advanced print features

> • **XPS printer driver**: used to print XPS file format.
>   - The XPS printer driver can be installed only on Windows Vista OS or higher.
>   - Install optional memory when an XPS job does not print because the printer is out of memory.
>   - For models that provide XPS driver from the Samsung website, http://www.samsung.com > find your product> Support or downloads.

Printing to a file (PRN)

You will sometimes need to save the print data as a file.

1 Check the **Print to file** box in the **Print** window.
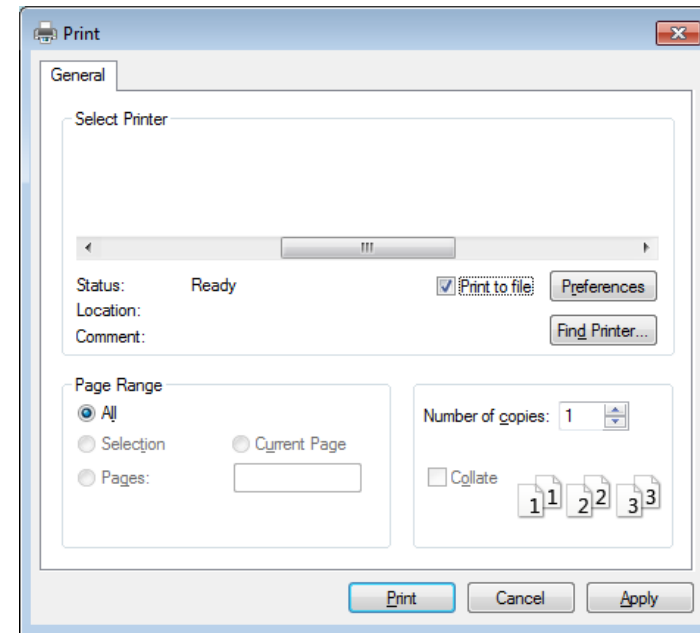
2 Click **Print**.

3 Type in the destination path and the file name, and then click **OK**.

For example, **c:\Temp\file name**.

> If you type in only the file name, the file is automatically saved in **My Documents**, **Documents and Settings**, or **Users**. The saved folder may differ, depending on your operating system or the application you are using.
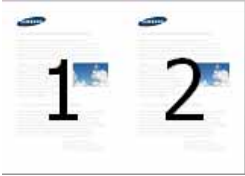
Using advanced print features

Understanding special printer features

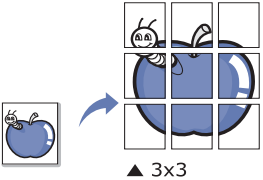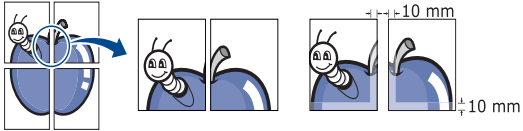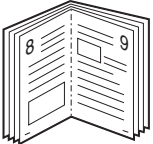You can use advanced printing features when using your machine.

To take advantage of the printer features provided by your printer driver, click **Properties** or **Preferences** in the application's **Print** window to change the print settings. The machine name, which appears in the printer properties window, may differ depending on the machine in use.

> • Some menus may not appear on the display depending on options or models. If so, it is not applicable to your machine.
>
> • Press the **Help** or click the ⬚ button from the window or, press **F1** on your keyboard and click on any option you want to know about (see "Using help" on page 172).

Item	Description
Multiple Pages per Side 	Selects the number of pages to print on a single sheet of paper. To print more than one page per sheet, the pages will be reduced in size and arranged in the order you specify. You can print up to 16 pages on one sheet.
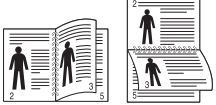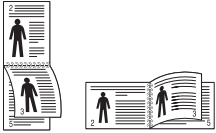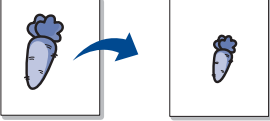
Using advanced print features

Item	Description
Poster Printing ▲ 3x3	Prints a single-page document onto 4 (Poster 2x2), 9 (Poster 3x3), or 16 (Poster 4x4) sheets of paper, for the purpose of pasting the sheets together to form one poster-size document. Select the **Poster Overlap** value. Specify **Poster Overlap** in millimeters or inches by selecting the radio button on the upper right of **Basic** tab to make it easier to paste the sheets together. 10 mm 10 mm
Booklet Printing[a]	Prints your document on both sides of a sheet of paper and arranges the pages so that the paper can be folded in half after printing to produce a booklet. If you want to make a booklet, you need to print on Letter, Legal, A4, US Folio, or Oficio sized print media. The **Booklet Printing** option is not available for all paper sizes. Select the available paper **Size** option under the **Paper** tab to see what paper sizes are available. If you select an unavailable paper size, this option can be automatically canceled. Select only available paper (paper without or mark).

Using advanced print features

Item	Description
• **Double-sided Printing** • **Double-sided Printing (Manual)**[a]	Print on both sides of a sheet of paper (duplex). Before printing, decide how you want your document oriented. • You can use this feature with Letter, Legal, A4, US Folio or Oficio sized paper • If your machine does not have a duplex unit, you should complete the printing job manually. The machine prints every other page of the document first. After that, a message appears on your computer. • **Skip Blank Pages** feature does not work when you select the duplex option. • We recommend not to print on both sides of the special media, such as labels, envelopes, or thick paper. It may cause a paper jam or damage the machine.
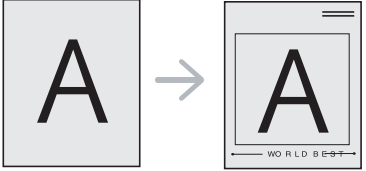
Using advanced print features

Item	Description
• **Double-sided Printing** • **Double-sided Printing (Manual)**[a]	Some menus may not appear on the display depending on options or models. If so, it is not applicable to your machine. • **Printer Default:** If you select this option, this feature is determined by the settings you have selected on the control panel of the machine. • **None:** Disables this feature. • **Long Edge:** This option is the conventional layout used in bookbinding. • **Short Edge:** This option is the conventional layout used in calendars. • **Reverse Double-Sided Printing:** Check this option to reverse the print order when duplex printing.
Paper Options	Changes the size of a document to appear larger or smaller on the printed page by entering in a percentage by which to enlarge or decrease the document.

Using advanced print features

Item	Description
Watermark	The watermark option allows you to print text over an existing document. For example, you use it when you want to have large gray letters reading "DRAFT" or "CONFIDENTIAL" printed diagonally across the first page or all pages of a document.
Watermark (*Creating a watermark*)	**a** To change the print settings from your software application, access **Printing Preferences**. **b** Click the **Advanced** tab, select **Edit** from the **Watermark** drop-down list. The **Edit Watermarks** window appears. **c** Enter a text message in the **Watermark Message** box. You can enter up to 256 characters. The message displays in the preview window.
Watermark (*Editing a watermark*)	**a** To change the print settings from your software application, access **Printing Preferences**. **b** Click the **Advanced** tab, select **Edit** from the **Watermark** drop-down list. The **Edit Watermarks** window appears. **c** Select the watermark you want to edit from the **Current Watermarks** list and change the watermark message and options. **d** Click **Update** to save the changes. **e** Click **OK** or **Print** until you exit the **Print** window.
Watermark (*Deleting a watermark*)	**a** To change the print settings from your software application, access **Printing Preferences**. **b** Click the **Advanced** tab, select **Edit** from the **Watermark** drop-down list. The **Edit Watermarks** window appears. **c** Select the watermark you want to delete from the **Current Watermarks** list and click **Delete**. **d** Click **OK** or **Print** until you exit the **Print** window.

Using advanced print features

Item	Description
Overlay[a]	This option is available only when you use the PCL/SPL printer driver (see "Software" on page 6). An overlay is text and/or images stored in the computer hard disk drive (HDD) as a special file format that can be printed on any document. Overlays are often used to take the place of letterhead paper. Rather than using preprinted letterhead, you can create an overlay containing exactly the same information that is currently on your letterhead. To print a letter with your company's letterhead, you do not need to load preprinted letterhead paper in the machine: just print the letterhead overlay on your document. To use a page overlay, you must create a new page overlay containing your logo or image. • The overlay document size must be the same as the document you print with the overlay. Do not create an overlay with a watermark. • The resolution of the overlay document must be the same as that of the document you will print with the overlay.
Overlay **(Creating a new page overlay)**	**a** To save the document as an overlay, access **Printing Preferences**. **b** Click the **Advanced** tab, and select **Edit** from the **Text** drop-down list. **Edit Overlay** window appears. **c** In the **Edit Overlay** window, click **Create**. **d** In the **Save As** window, type a name up to eight characters in the **File name** box. Select the destination path, if necessary (The default is C:\FormOver). **e** Click **Save**. The name appears on the **Overlay List**. **f** Click **OK** or **Print** until you exit the **Print** window. The file is not printed. Instead, it is stored on your computer hard disk drive.

Using advanced print features

Item	Description
Overlay (**Using a page overlay**)	**a** Click the **Advanced** tab. **b** Select the desired overlay from the **Text** drop-down list. **c** If the overlay file you want does not appear in the **Text** drop-down list, select **Edit...** from the list and click **Load**. Select the overlay file you want to use. If you have stored the overlay file you want to use in an external source, you can also load the file when you access the **Open** window. After you select the file, click **Open**. The file appears in the **Overlay List** box and is available for printing. Select the overlay from the **Overlay List** box. **d** If necessary, check **Confirm Page Overlay When Printing** box. If this box is checked, a message window appears each time you submit a document for printing, asking you to confirm printing an overlay on your document. If this box is not checked and an overlay has been selected, the overlay automatically prints with your document. **e** Click **OK** or **Print** until you exit the **Print** window.
Overlay (**Deleting a page overlay**)	**a** In the **Printing Preferences** window, click the **Advanced** tab. **b** Select **Edit** in the **Text** drop down list. **c** Select the overlay you want to delete from the **Overlay List** box. **d** Click **Delete**. **e** When a confirming message window appears, click **Yes**. **f** Click **OK** or **Print** until you exit the **Print** window. You can delete page overlays that you no longer use.

Using advanced print features

Item	Description

Print Mode	📝 • This feature is available only if you have installed the optional hard disk or set the Ram Disk. To set the Ram Disk, you must enable it from SyncThru™ Web Service> **Settings** > **Machine Settings** > **Ram Disk**.
	• Some menus may not appear on the display depending on options or models. If so, it is not applicable to your machine.
	• You can see the print job list you set in the printer driver's **Print Mode** in the **Job Management** menu using the control panel.
	
	• **Print Mode:** The default **Print Mode** is **Normal**, which is for printing without saving the printing file in the memory.
	  - **Normal:** This mode prints without storing your document in the optional memory.
	  - **Proof:** This mode is useful when you print more than one copy. You can print one copy first to check, then print the rest of the copies later.
	  - **Confidential:** This mode is used for printing confidential documents. You need to enter a password to print.
	  - **Store:** Select this setting to save a document in the hard disk without printing.
	  - **Store and Print:** This mode is used when printing and storing document at the same time.
	  - **Spool:** This option can be useful when handling large amounts of data. If you select this setting, the printer spools the document into the hard disk and then prints it from the hard disk queue, decreasing the computer's work load.
	  - **Print Schedule:** Select this setting to print the document at a specified time.
	• **User ID:** This option is used when you need to find a saved file using the control panel.
	• **Job Name:** This option is used when you need to find a saved file using the control panel.

a. This option is not available when you use XPS driver.

Using Direct Printing Utility

| • | Direct Printing Utility may not be available depending on model or optional goods (see "Software" on page 6).
| • | Available for Windows OS users only.

What is Direct Printing Utility?

Direct Printing Utility is a program that sends the PDF files directly to your machine to print without having to opening the file.

To install this program:

Download the software from the Samsung website then unpack and install it: (http://www.samsung.com > find your product > Support or Downloads).

| • | Optional memory or mass storage device (HDD) should be installed on your machine, to print files using this program (see "Variety feature" on page 7).
| • | You cannot print PDF files that are restricted. Deactivate the printing restriction feature and retry printing.
| • | You cannot print PDF files that are restricted by a password. Deactivate the password feature, and retry printing.
| • | Whether or not a PDF file can be printed using the **Direct Printing Utility** program depends on how the PDF file was created.
| • | The **Direct Printing Utility** program supports PDF version 1.7 and below. For higher versions, you must open the file to print it.

Printing

There are several ways you can print using the Direct Printing Utility.

1 From the **Start** menu, select **Programs** or **All Programs**.

 • For Windows 8, from **Charms**, select **Search** > **Apps**.

2 Find **Samsung Printers** > **Direct Printing Utility**.

3 Select your machine from the **Select Printer** drop-down list and click **Browse**.

4 Select the file you wish to print and click **Open**.
The file is added in the **Select Files** section.

5 Customize the machine settings for your needs.

6 Click **Print**. The selected PDF file is sent to the machine.

Using Direct Printing Utility

Using the right-click menu

1 Right-click on the PDF file to print and select **Direct Printing**.

The Direct Printing Utility window appears with the PDF file is added.

2 Select the machine to use.

3 Customize the machine settings.

4 Click **Print**. The selected PDF file is sent to the machine.

Mac printing

 Some features may not be available depending on models or options. It means that the features are not supported.

Printing a document

When you print with a Mac, you need to check the printer driver settings in each application you use. Follow the steps below to print from a Mac:

1 Open the document to print.

2 Open the **File** menu and click **Page Setup** (**Document Setup** in some applications).

3 Choose your paper size, orientation, scaling, other options, and make sure that your machine is selected. Click **OK**.

4 Open the **File** menu and click **Print**.

5 Choose the number of copies and indicate which pages to print.

6 Click **Print**.

Changing printer settings

You can use advanced printing features when using your machine.

Open an application and select **Print** from the **File** menu. The machine name, which appears in the printer properties window, may differ depending on the machine in use. Except for the name, the composition of the printer properties window is similar to the following.

Printing multiple pages on one sheet

You can print more than one page on a single sheet of paper. This feature provides a cost-effective way to print draft copies.

1 Open an application, and select **Print** from the **File** menu.

2 Select **Layout** from the drop-down list under **Orientation**. In the **Pages per Sheet** drop-down list, select the number of pages you want to print on one sheet of paper.

3 Select the other options to use.

4 Click **Print**.

The machine prints the selected number of pages to print on one sheet of paper.

Mac printing

Printing on both sides of the paper

 Some features may not be available depending on models or options. It means that the features are not supported (see "Variety feature" on page 7).

Before printing in the duplex mode, decide on which edge you will be binding your finished document. The binding options are, as follows:

• **Long-Edge Binding:** This option is the conventional layout used in book binding.

• **Short-Edge Binding:** This option is the type often used with calendars.

1 From your Mac application, select **Print** from the **File** menu.

2 Select **Layout** from the drop-down list under **Orientation**.

3 Select a binding orientation from the **Two-Sided** option.

4 Select the other options to use.

5 Click **Print** and the machine prints on both sides of the paper.

 If you print more than 2 copies, the first copy and the second copy might print on the same sheet of paper. Avoid printing on both sides of paper when you are printing more than 1 copy.

Using help

Click the question mark on the bottom-left corner of the window and click on the topic you want to know about. A pop-up window appears with information about that option's feature, which is provided from the driver.
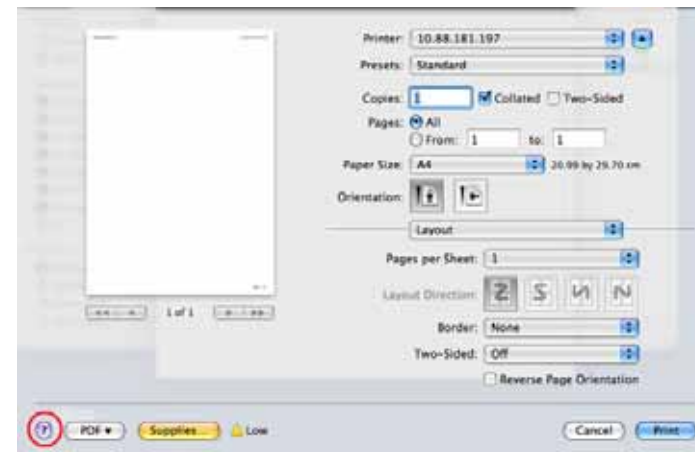
Linux printing

 Some features may not be available depending on models or options. It means that the features are not supported.

Printing from applications

There are a lot of Linux applications that allow you to print using Common UNIX Printing System (CUPS). You can print on your machine from any such application.

1 Open the document to print.

2 Open the **File** menu and click **Page Setup** (**Print Setup** in some applications).

3 Choose your paper size, orientation, and make sure that your machine is selected. Click **Apply**.

4 Open the **File** menu and click **Print**.

5 Select your machine to print.

6 Choose the number of copies and indicate which pages to print.

7 Change other printing options in each tab, if necessary.

8 Click **Print**.

 Automatic/manual duplex printing may not be available depending on models. You can alternatively use the lp or lpr printing system or other applications for odd-even printing.

Printing files

You can print text, image, pdf files on your machine using the standard **CUPS**, directly from the command line interface. The **CUPS** lp or lpr utility allows you to do that. You can print these files by using below command format.

"lp -d <printer name> -o <option> <file name>"

Please refer to lp or lpr man page on your system for more details.

Linux printing

Configuring Printer Properties

You can change the default printing options or connection type with Printing utility supplied by o/s.

1 Launch Printing utility(Go to **System** > **Administration** > **Printing** menu or execute "**system-config-printer**" command in Terminal program).

2 Select your printer and double-click it.

3 Change default printing options or connection type.

4 Click **Apply** button.

Unix printing

 Some features may not be available depending on models or options. It means that the features are not supported (see "Features by model" on page 6).

Proceeding the print job

After installing the printer, choose any of the image, text, or PS files to print.

1 Execute "**printui <file_name_to_print>**" command.

For example, if you are printing "**document1**"

printui document1

This will open the UNIX Printer Driver **Print Job Manager** in which the user can select various print options.

2 Select a printer that has been already added.

3 Select the printing options from the window such as **Page Selection**.

4 Select how many copies are needed in **Number of Copies**.

 To take advantage of the printer features provided by your printer driver, press **Properties**.

5 Press **OK** to start the print job.

Changing the machine settings

The UNIX printer driver **Print Job Manager** in which the user can select various print options in printer **Properties**.

The following hot keys may also be used: "H" for **Help**, "O" for **OK**, "A" for **Apply**, and "C" for **Cancel**.

General tab

- **Paper Size:** Set the paper size as A4, Letter, or other paper sizes, according to your requirements.

- **Paper Type:** Choose the type of the paper. Options available in the list box are **Printer Default**, **Plain**, and **Thick**.

- **Paper Source:** Select from which tray the paper is used. By default, it is **Auto Selection**.

- **Orientation:** Select the direction in which information is printed on a page.

- **Duplex:** Print on both sides of paper to save paper.

 Automatic/manual duplex printing may not be available depending on models. You can alternatively use the lpr printing system or other applications for odd-even printing.

- **Multiple pages:** Print several pages on one side of the paper.

Unix printing

- **Page Border:** Choose any of the border styles (e.g., **Single-line hairline**, **Double-line hairline**)

Image tab

In this tab, you can change the brightness, resolution, or image position of your document.

Text tab

Set the character margin, line space, or the columns of the actual print output.

Margins tab

- **Use Margins:** Set the margins for the document. By default, margins are not enabled. The user can change the margin settings by changing the values in the respective fields. Set by default, these values depend on the page size selected.

- **Unit:** Change the units to points, inches, or centimeters.
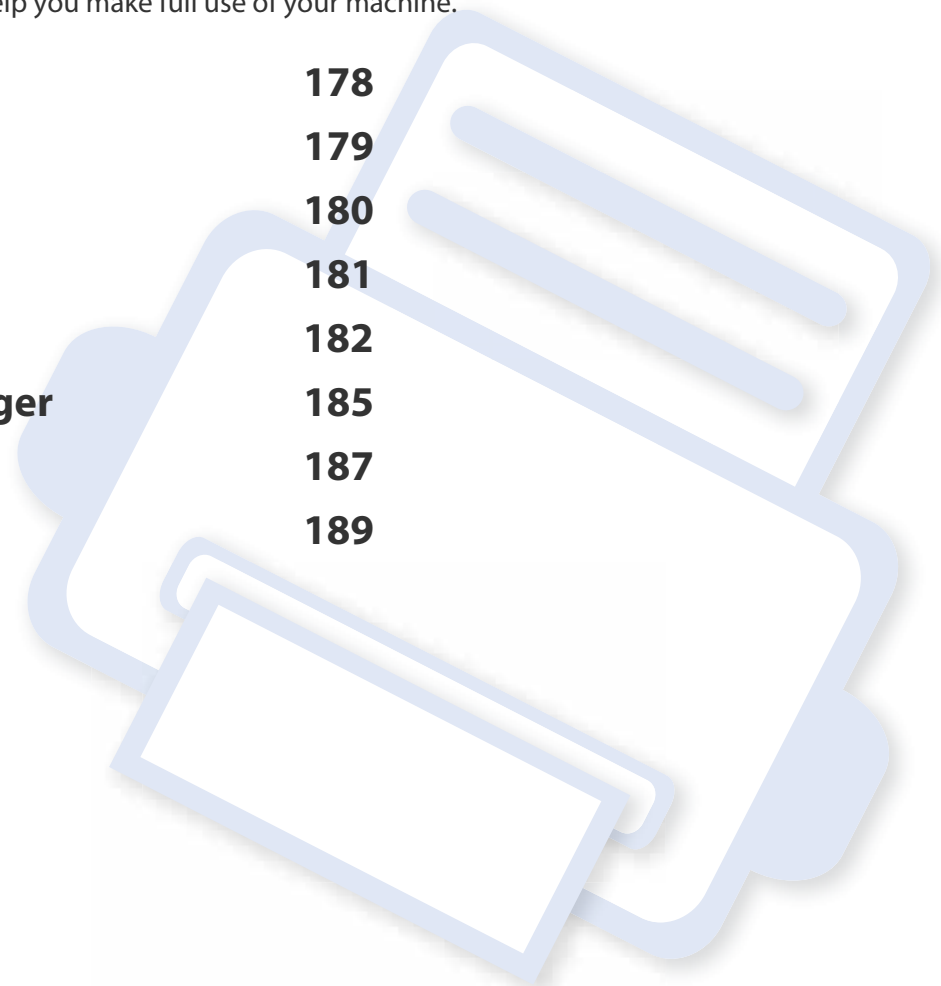
Printer-Specific Settings tab

Select various options in the **JCL** and **General** frames to customize various settings. These options are specific to the printer and depend on the PPD file.

4. Useful Management Tools

This chapter introduces management tools provided to help you make full use of your machine.

Accessing management tools

Samsung provides a variety of management tools for Samsung printers.

1 Make sure that the machine is connected to your computer and powered on.

2 From the **Start** menu, select **Programs** or **All Programs**.

- For Windows 8, from **Charms**, select **Search** > **Apps**.

3 Find **Samsung Printers**.

4 Under **Samsung Printers**, you can see installed management tools.

5 Click the management tool you want to use.

 - After installing the driver, for some management tools, you can access them directly from the **Start** screen by clicking on the corresponding tile.

 - For Windows 8, after installing the driver, for some management tools, you can access them directly from the **Start** screen by clicking on the corresponding tile.

Easy Capture Manager

- • Available for Windows OS users only.
- • This feature may not be available depending on model or optional goods.

Capture your screen and launch Easy Capture Manager by simply pressing the Print Screen key on the keyboard. Now you can easily print your captured screen as captured or edited.

Samsung AnyWeb Print

	• Available for Windows OS users only.
	• This feature may not be available depending on model or optional goods.

This tool helps you screen-capture, preview, scrap, and print Windows Internet Explorer pages more easily, than when you use an ordinary program.

Download the software from the Samsung website then unpack and install it: (http://www.samsung.com > find your product > Support or Downloads).

Easy Eco Driver

 | • This feature may not be available depending on model or optional goods (see "Software" on page 6).
 | • Available for Windows OS users only (see "Software" on page 6).

With the Easy Eco Driver, you can apply Eco features to save paper and toner before printing.

Easy Eco Driver also allows you simple editing such as removing images and texts, and more. You can save frequently used settings as a preset.

How to use:

1 Open a document to print.

2 Open **printing preference window** (see "Opening printing preferences" on page 40).

3 From the **Favorites** tab, select **Eco Printing Preview**.

4 A preview window appears.

5 Select the options you want to apply to the document.

You can see the preview of the applied features.

6 Click **Print**.

 | If you want to run Easy Eco Driver every time you print, check **Start Easy Eco Driver before printing job** checkbox in the **Basic** tab of the printing preference window.

Using SyncThru™ Web Service

> *   Internet Explorer 6.0 or higher is the minimum requirement for SyncThru™ Web Service.
> *   SyncThru™ Web Service explanation in this user's guide may differ from your machine depending on its options or models.
> *   Network model only.

Accessing SyncThru™ Web Service

1   Access a web browser, such as Internet Explorer, from Windows.

Enter the machine IP address of your printer (http://xxx.xxx.xxx.xxx) in the address field and press the Enter key or click **Go**.

2   Your machine's embedded website opens.

Logging into SyncThru™ Web Service

Before configuring options in SyncThru™ Web Service, you need to log-in as an administrator. You can still use SyncThru™ Web Service without logging in but you won't have access to **Settings** tab and **Security** tab.

1   Click **Login** on the upper right of the SyncThru™ Web Service website.

2   Type in the **ID** and **Password** then click **Login**.

*   **ID: admin**

*   **Password: sec00000**

Using SyncThru™ Web Service

5 SyncThru™ Web Service overview

| ⌂ | Information | Settings | Security | Maintenance |

 Some tabs may not appear depending on your model.

Information tab

This tab gives you general information about your machine. You can check things, such as remaining amount of toner. You can also print reports, such as an error report.

- **Active Alerts:** Shows the alerts that have occurred in the machine and their severity.

- **Supplies:** Shows how many pages are printed and amount of toner left in the cartridge.

- **Usage Counters:** Shows the usage count by print types: simplex and duplex.

- **Current Settings:** Shows the machine's and network's information.

- **Print information:** Prints reports such as system related reports and font reports.

Settings tab

This tab allows you to set configurations provided by your machine and network. You need to log-in as an administrator to view this tab.

- **Machine Settings** tab**:** Sets options provided by your machine.

- **Network Settings** tab**:** Shows options for the network environment. Sets options such as TCP/IP and network protocols.

Security tab

This tab allows you to set system and network security information. You need to log-in as an administrator to view this tab.

- **System Security:** Sets the system administrator's information and also enables or disables machine features.

- **Network Security:** Sets settings for HTTPs, IPSec, IPv4/IPv6 filtering, and 802.1x.

Maintenance tab

This tab allows you to maintain your machine by upgrading firmware and setting contact information for sending emails. You can also connect to Samsung website or download drivers by selecting the **Link** menu.

- **Firmware Upgrade:** Upgrade your machine's firmware.

- **Contact Information:** Shows the contact information.

- **Link:** Shows links to useful sites where you can download or check information.

Using SyncThru™ Web Service

Setting the system administrator's information

This setting is necessary for using the e-mail notification option.

1 Start a web browser, such as Internet Explorer, from Windows.

Enter the machine IP address (http://xxx.xxx.xxx.xxx) in the address field and press the Enter key or click **Go**.

2 Your machine's embedded website opens.

3 From the **Security** tab, select **System Security** > **System Administrator**

4 Enter the name of the administrator, phone number, location, and email address.

5 Click **Apply**.

Using Samsung Easy Printer Manager

 - This feature may not be available depending on model or optional goods (see "Software" on page 6).
 - Available for Windows and Mac OS users only (see "Software" on page 6).
 - For Windows, Internet Explorer 6.0 or higher is the minimum requirement for Samsung Easy Printer Manager.

Samsung Easy Printer Manager is an application that combines Samsung machine settings into one location. Samsung Easy Printer Manager combines device settings as well as printing environments, settings/actions and launching. All of these features provide a gateway to conveniently use your Samsung machine. Samsung Easy Printer Manager provides two different user interfaces for the user to choose from: the basic user interface and the advanced user interface. Switching between the two interfaces is easy: just click a button.

Understanding Samsung Easy Printer Manager

To open the program:

For Windows,

Select **Start** > **Programs** or **All Programs** > **Samsung Printers** > **Samsung Easy Printer Manager**.

 - For Windows 8, from **Charms**, select **Search** > **Apps**> **Samsung Printers** > **Samsung Easy Printer Manager**.
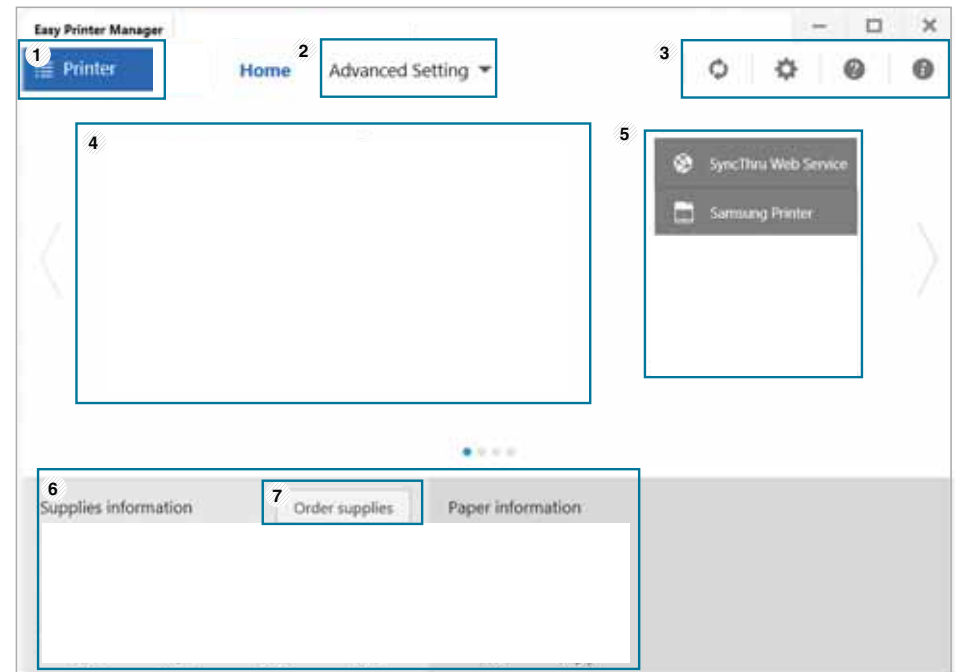
For Mac,

Open the **Applications** folder > **Samsung** folder > **Samsung Easy Printer Manager**.

The Samsung Easy Printer Manager interface is comprised of various basic sections as described in the table that follows:

 The screenshot may differ depending on operating system you are using.

	Printer list	The Printer List displays printers installed on your computer and network printers added by network discovery (Windows only).
1		

Using Samsung Easy Printer Manager

	Advanced Setting	The advanced user interface is intended to be used by the person responsible for managing the network and machines.
2		Some menus may not appear in the display depending on options or models. If so, it is not applicable to your machine.
		• **Device Settings:** You can configure various machine settings such as machine setup, paper, layout, emulation, network, and print information.
		If you connect your machine to a network, the **SyncThru™ Web Service** icon is enabled.
		• **Scan to PC Settings:** This menu includes settings to create or delete scan to PC profiles. - **Scan Activation:** Determines whether or not scanning is enabled on the device. - **Basic tab:** Contains settings related general scan and device settings.
		• **Alert Settings (Windows only):** This menu includes settings related to error alerting. - **Printer Alert:** Provides settings related to when alerts will be received. - **Email Alert:** Provides options relating to receiving alerts via email. - **Alert History:** Provides a history of device and toner related alerts.

3	**Application information**	Includes links for changing to the refresh, preference setting, help, and about.
4	**Printer information**	This area gives you general information about your machine. You can check information, such as the machine's model name, IP address (or Port name), and machine status. This button opens the **Troubleshooting Guide** when an error occurs. You can directly open the troubleshooting section in the user's guide.
5	**Quick links**	Displays **Quick links** to machine specific functions. This section also includes links to applications in the advanced settings. If you connect your machine to a network, the **SyncThru™ Web Service** icon is enabled.
6	**Contents area**	Displays information about the selected machine, remaining toner level, and paper. The information will vary based on the machine selected. Some machines do not have this feature.
7	**Order supplies**	Click on the **Order** button from the supply ordering window. You can order replacement toner cartridge(s) from online.

 Select the **Help** menu from the window and click on any option you want to know about.

Using Samsung Printer Status

The Samsung Printer Status is a program that monitors and informs you of the machine status.

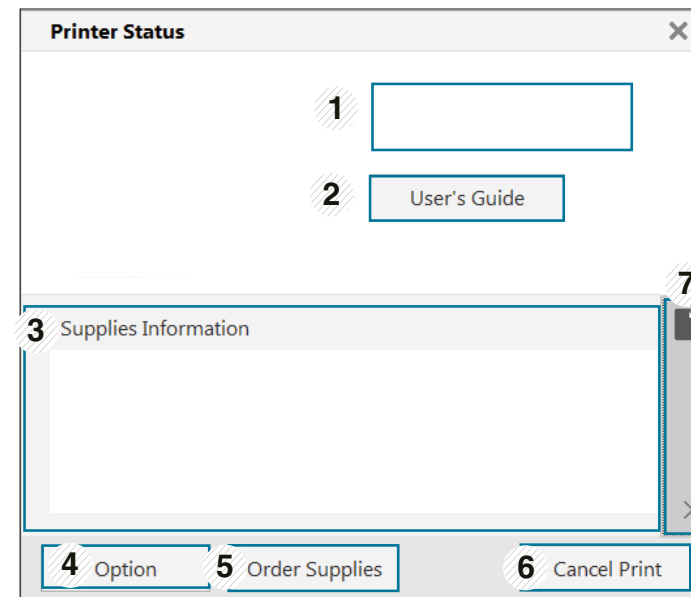| | • The **Samsung Printer Status** window and its contents shown in this user's guide may differ depending on the machine or operating system in use.
• Check the operating system(s) that are compatible with your machine.
• Available for Windows OS users only. |

Samsung Printer Status overview

If an error occurs while operating, you can check the error from the Samsung Printer Status. Samsung Printer Status is installed automatically when you install the machine software.

You can also launch Samsung Printer Status manually. Go to the **Printing Preferences**, click the **Basic** tab > **Printer Status** button.

These icons appear on the Windows task bar:

Icon	Mean	Description
	Normal	The machine is in ready mode and experiencing no errors or warnings.
	Warning	The machine is in a state where an error might occur in the future. For example, it might be in toner low status, which may lead to toner empty status.
	Error	The machine has at least one error.

	Device Information	You can view the device information.
1		

Using Samsung Printer Status

2	**User's Guide**	You can view the online User's Guide. 📝 This button opens the **Troubleshooting Guide** when an error occurs. You can directly open the troubleshooting section in the user's guide.
3	**Supplies Information**	You can view the percentage of toner remaining in each toner cartridge. The machine and the number of toner cartridge(s) shown in the above window may differ depending on the machine in use. Some machines do not have this feature.
4	**Option**	You can set printing job alert related settings.
5	**Order Supplies**	You can order replacement toner cartridge(s) from online.
6	**Cancel Print** or **Close**	• **Cancel Print :** If print job is waiting in the print queue or printer, cancel all user's print jobs in the print queue or the printer. • **Close :** Depending on the status of the machine or the supported functions, the **Close** button may appear to close the status window.
7	**Toner/Paper Information**	This button areas for paper and toner info will be available based on the device.

Using Samsung Printer Experience

 Available for Windows 8 users only.

Samsung Printer Experience is a Samsung application that combines Samsung machine settings and machine management into one location. You can set device settings, order supplies, open troubleshooting guides, visit Samsung's web site, and check connected machine information. This application will be automatically downloaded from the Windows **Store** if the machine is connected to a computer with an Internet connection.

Understanding the Samsung Printer Experience
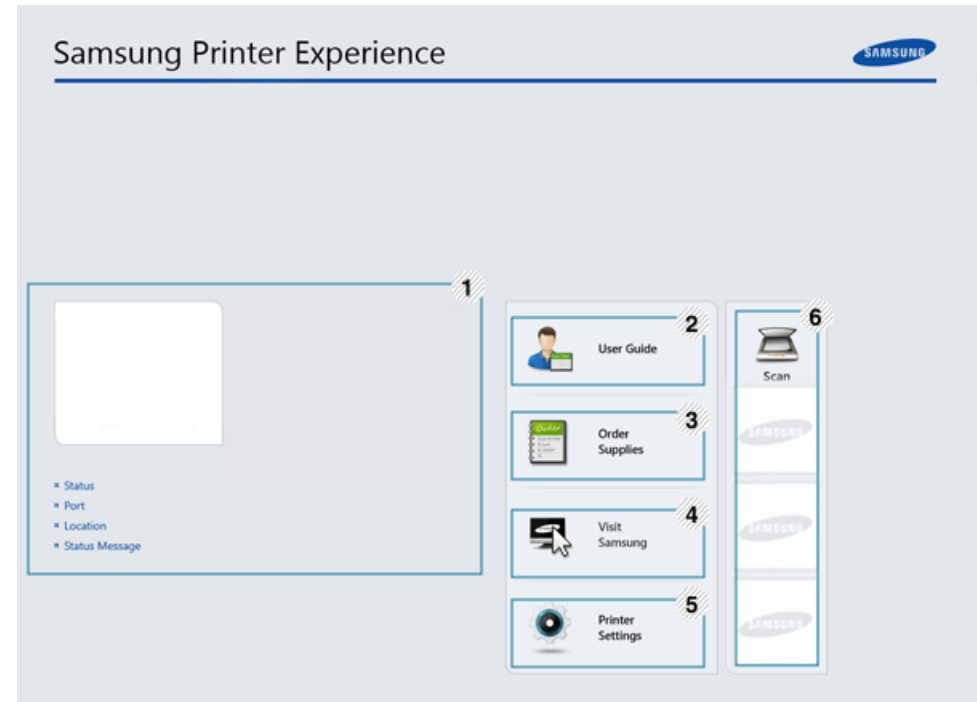
To open the application,

From the **Start** screen, select the **Samsung Printer Experience** (   ) tile.

The **Samsung Printer Experience** interface comprises various useful features as described in the following table:

 The screenshot may differ depending on the model you are using.

1	**Printer Information**	This area gives you general information about your machine. You can check information, such as the machine's status, location, IP address, and remaining toner level.

Using Samsung Printer Experience

2	**User Guide**	You can view the online User's Guide. You need to be connected to the Internet to use this feature.
		This button opens the **Troubleshooting Guide** when an error occurs. You can directly open the troubleshooting section in the user's guide.
3	**Order Supplies**	Click on this button to order replacement toner cartridges online. You need to be connected to the Internet to use this feature.
4	**Visit Samsung**	Links to Samsung printer website. You need to be connected to the Internet to use this feature.
5	**Printer Settings**	You can configure various machine settings such as machine setup, paper, layout, emulation, networking, and print information through **SyncThru™ Web Service**. Your machine needs to be connected to a network. This button will be disabled if your machine is connected via USB cable.
6	**Device List** & **Latest Scanned Image**	The scan list displays devices that supports **Samsung Printer Experience**. Under the device, you can see the latest scanned images. Your machine needs to be connected to a network to scan from here. This section is for the users with multi-functional printers.

Adding/Deleting Printers

If you do not have any printer added to the **Samsung Printer Experience**, or if you want to add/delete a printer, follow the instructions below.

 You can only add/delete network connected printers.

Adding a printer

1 From the **Charms**, select **Settings**.

Or, right-click the **Samsung Printer Experience** page and select **Settings**.

2 Select **Add Printer**

3 Select the printer you want to add.

You can see the added printer.

 If you see mark, you can also click mark to add printers.

Using Samsung Printer Experience

Deleting a printer

1 From the **Charms**, select **Settings**.

Or, right-click the **Samsung Printer Experience** page and select **Settings**.

2 Select **Remove Printer**

3 Select the printer you want to delete.

4 Click **Yes**.

You can see that the deleted printer is removed from the screen.

This section explains common printing tasks from the **Start** screen.

Basic printing

1 Open the document to print.

2 From the **Charms**, select **Devices**.

3 Select your printer from the list

4 Select the printer settings, such as the number of copies and orientation.

Using Samsung Printer Experience

5 Click the **Print** button to start the print job.

Cancelling a print job

If the printing job is waiting in the print queue or print spooler, cancel the job as follows:

- You can access this window by simply double-clicking the machine icon ( ) in the Windows task bar.

- You can also cancel the current job by pressing (**Cancel** or **Stop/Clear**) button on the control panel.
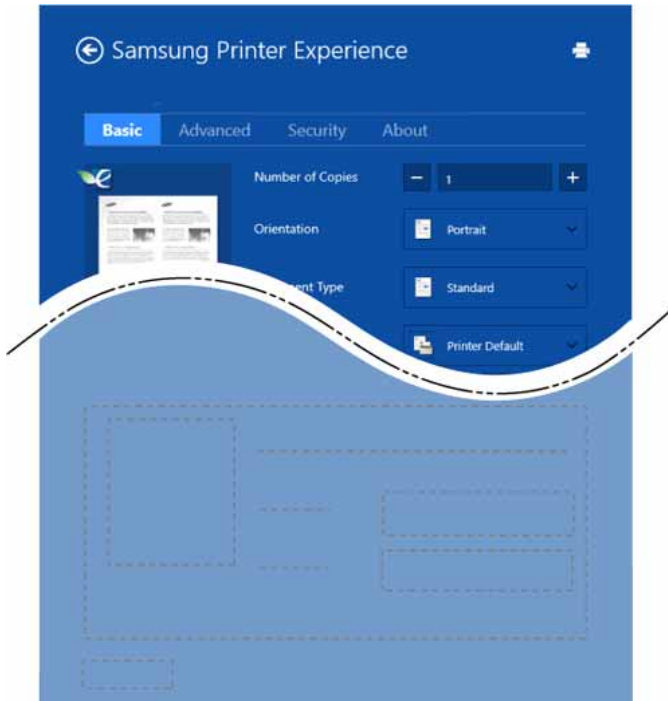
Opening more settings

 The screen may appear somewhat different depending on the model or options.

You can set up more printing parameters.

1 Open the document you want to print.

2 From the **Charms**, select **Devices**.

3 Select your printer from the list

4 Click **More settings**.

Using Samsung Printer Experience

Basic tab

Basic

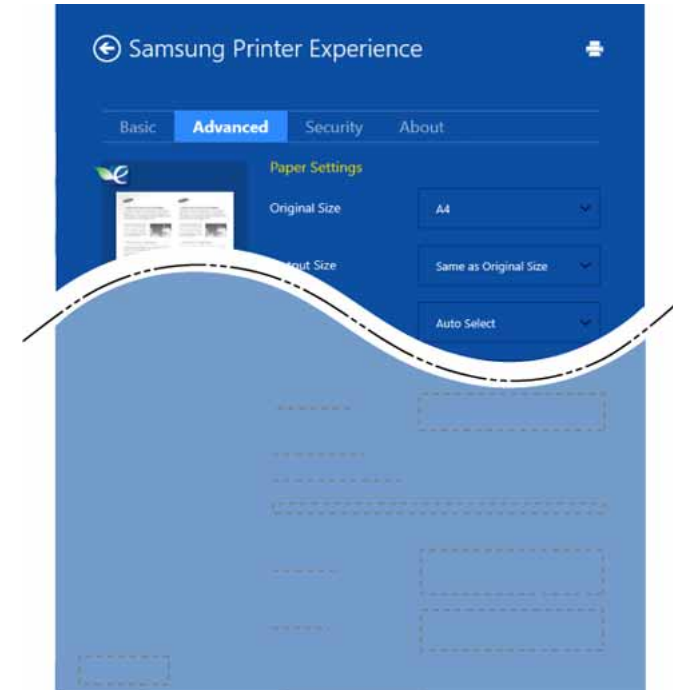This option allows you to choose the basic printing settings such as copies, orientation, and document type.

Eco settings

This option allows you to choose multiple pages per side to save media.

Advanced tab

Paper settings

This option allows you to set the basic paper handling specifications.
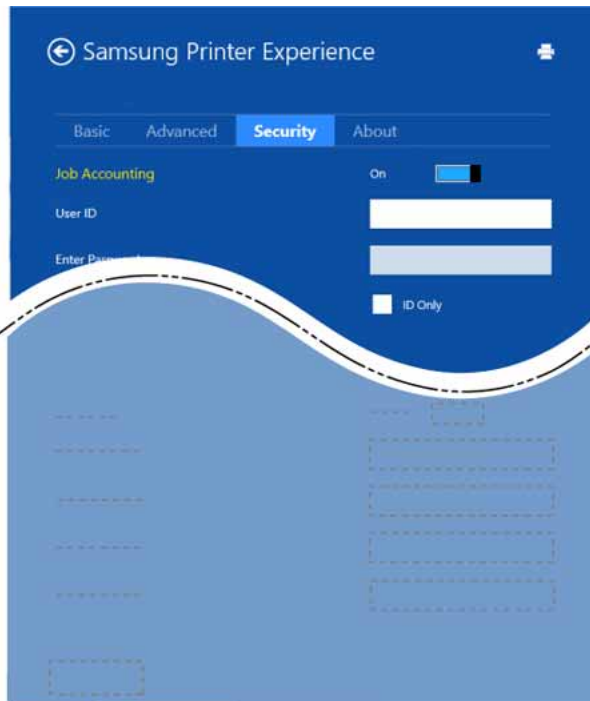
Layout settings

This option allows you to set the various ways to layout your documents.

Using Samsung Printer Experience

Security tab

> Some features may not be available depending on the model or options. If this tab is not shown or disabled, it means that this features are not supported.

Job Accounting

This option allows you to print with the given permission.

Confidential Printing

This option is used for printing confidential documents. You need to enter a password to print using it.

Using the sharing feature

Samsung Printer Experience allows you to print from other applications installed on the computer using the sharing feature.

> This feature is only available for printing jpeg, bmp, tiff, gif, and png file formats.
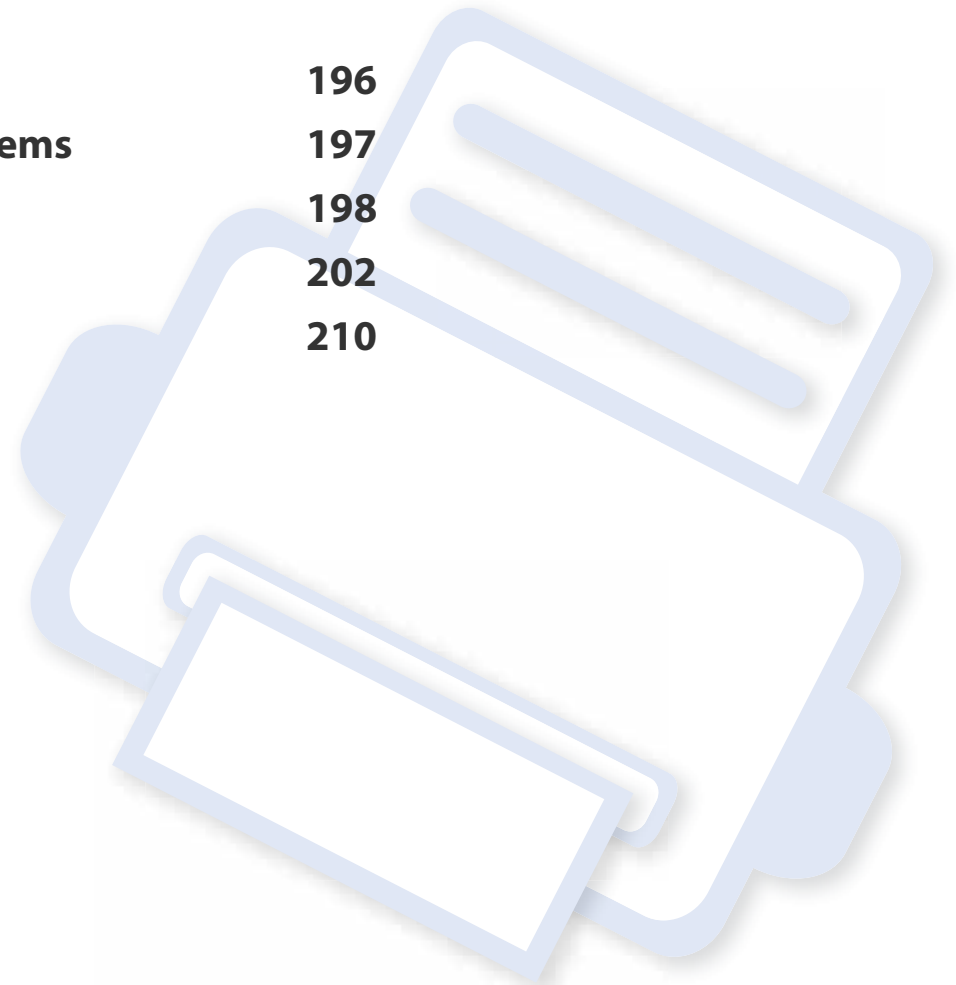
1 Select the content you want to print from other application.

2 From the **Charms**, select **Share** > **Samsung Printer Experience**.

3 Select the printer settings, such as the number of copies and orientation.

4 Click the **Print** button to start the print job.

5. Troubleshooting

This chapter gives helpful information for what to do if you encounter an error.

Paper feeding problems

Condition	Suggested solutions
Paper jams during printing.	Clear the paper jam.
Paper sticks together.	• Check the maximum paper capacity of the tray. • Make sure that you are using the correct type of paper. • Remove paper from the tray and flex or fan the paper. • Humid conditions may cause some paper to stick together.
Multiple sheets of paper do not feed.	Different types of paper may be stacked in the tray. Load paper of only one type, size, and weight.
Paper does not feed into the machine.	• Remove any obstructions from inside the machine. • Paper has not been loaded correctly. Remove paper from the tray and reload it correctly. • There is too much paper in the tray. Remove excess paper from the tray. • The paper is too thick. Use only paper that meets the specifications required by the machine.
The paper keeps jamming.	• There is too much paper in the tray. Remove excess paper from the tray. If you are printing on special materials, use the multi-purpose tray (or manual feeder). • An incorrect type of paper is being used. Use only paper that meets the specifications required by the machine. • There may be debris inside the machine. Open the front cover and remove any debris.
Transparencies stick together in the paper exit.	Use only transparencies specifically designed for laser printers. Remove each transparency as it exits from the machine.
Envelopes skew or fail to feed correctly.	Ensure that the paper guides are against both sides of the envelopes.

Power and cable connecting problems

Condition	Suggested solutions
The machine is not receiving power, or the connection cable between the computer and the machine is not connected properly.	• Connect the machine to the electricity supply first and press the ⏻ (**Power**) button on the control panel. • Disconnect the machine's cable and reconnect it.

Printing problems

Condition	Possible cause	Suggested solutions
The machine does not print.	The machine is not receiving power.	Check the power cord connections. Check the power switch and the power source.
	The machine is not selected as the default machine.	Select your machine as your default machine in Windows.
	Check the machine for the following: • The front cover is not closed. Close the front cover. • Paper is jammed. Clear the paper jam. • No paper is loaded. Load paper. • The toner cartridge is not installed. Install the toner cartridge. • Make sure the protect cover and sheets are removed from the toner cartridge. If a system error occurs, contact your service representative.	
	The connection cable between the computer and the machine is not connected properly.	Disconnect the machine cable and reconnect it.
	The connection cable between the computer and the machine is defective.	If possible, attach the cable to another computer that is working properly and print a job. You can also try using a different machine cable.
	The port setting is incorrect.	Check the Windows printer settings to make sure that the print job is sent to the correct port. If the computer has more than one port, make sure that the machine is attached to the correct one.
	The machine may be configured incorrectly.	Check the **Printing Preferences** to ensure that all of the print settings are correct.

Printing problems

Condition	Possible cause	Suggested solutions
The machine does not print.	The printer driver may be incorrectly installed.	Uninstall and reinstall the machine's driver.
	The machine is malfunctioning.	Check the display message on the control panel to see if the machine is indicating a system error. Contact a service representative.
	The document size is so big that the hard disk space of the computer is insufficient to access the print job.	Get more hard disk space and print the document again.
	The output tray is full.	Once the paper is removed from the output tray, the machine resumes printing.
The machine selects print materials from the wrong paper source.	The paper option that was selected in the **Printing Preferences** may be incorrect.	For many software applications, the paper source selection is found under the **Paper** tab within the **Printing Preferences**. Select the correct paper source. See the printer driver help screen.
A print job is extremely slow.	The job may be very complex.	Reduce the complexity of the page or try adjusting the print quality settings.
Half the page is blank.	The page orientation setting may be incorrect.	Change the page orientation in your application. See the printer driver help screen.
	The paper size and the paper size settings do not match.	Ensure that the paper size in the printer driver settings matches the paper in the tray. Or, ensure that the paper size in the printer driver settings matches the paper selection in the software application settings you use.

Printing problems

Condition	Possible cause	Suggested solutions
The machine prints, but the text is wrong, garbled, or incomplete.	The machine cable is loose or defective.	Disconnect the machine cable and reconnect. Try a print job that you have already printed successfully. If possible, attach the cable and the machine to another computer that you know works and try a print job. Finally, try a new machine cable.
	The wrong printer driver was selected.	Check the application's printer selection menu to ensure that your machine is selected.
	The software application is malfunctioning.	Try printing a job from another application.
	The operating system is malfunctioning.	Exit Windows and reboot the computer. Turn the machine off and back on again.
	If you are in a DOS environment, the font setting for your machine may be set incorrectly.	Changing the font setting. You can set the font from **Device Settings** in Samsung Easy Printer Manager program (see "Device Settings" on page 185).
Pages print, but they are blank.	The toner cartridge is defective or out of toner.	Redistribute the toner, if necessary. If necessary, replace the toner cartridge.
	The file may have blank pages.	Check the file to ensure that it does not contain blank pages.
	Some parts, such as the controller or the board, may be defective.	Contact a service representative.
The machine does not print PDF files correctly. Some parts of graphics, text, or illustrations are missing.	Incompatibility between the PDF file and the Acrobat products.	Printing the PDF file as an image may enable the file to print. Turn on **Print As Image** from the Acrobat printing options. It will take longer to print when you print a PDF file as an image.
The print quality of photos is not good. Images are not clear.	The resolution of the photo is very low.	Reduce the photo size. If you increase the photo size in the software application, the resolution will be reduced.