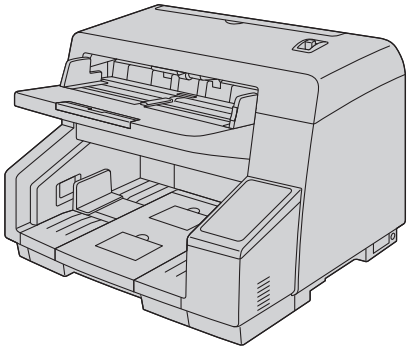
Panasonic

# Operating Manual

## Document Scanner



**Model No.** KV-S5078Y
KV-S5058

These instructions contain information on operating the scanner. Before reading these instructions, please read the Quick Installation Guide enclosed with this unit.

Keep all documentation in a safe place for future reference.

**Current model availability depends on your country/area. Please contact your dealer.**

# Introduction

**Thank you for purchasing a Panasonic Document Scanner.**

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## About the Descriptions in This Manual

- Windows refers to the Microsoft Windows operating system (hereafter Windows).
- The screen shots used in this manual may differ from the screens displayed on your computer.
- Letter size: This is the standard paper size of 8.5 in. × 11 in. used in the United States and/or other countries.
- A4 size: This is a standard paper size of 210 mm × 297 mm (8.26 in. × 8.54 in.).
- dpi (dots per inch): This is the number of dots per inch. This unit is used for scanning and printing resolution. The higher the dpi value is, the higher the resolution becomes.
- lb.: "Weight in pounds" of paper represents the weight of 500 (432 mm × 559 mm [17 in. × 22 in.]) sheets.

### Note

- Locations represented with page numbers in ( ) include a link to that location. When using Adobe Acrobat Reader DC, if you press the [Alt] key and the [←] key at the same time after moving to a referenced page, you can return to the previous page. For details about using Acrobat Reader, see the Acrobat Reader help.

## About the Documentation

The scanner documentation consists of 2 manuals: the Operating Manual (this manual), and the Quick Installation Guide.

| | |
|---|---|
| **Operating Manual (this manual)** | This manual provides information about the operation of the unit. |
| **Quick Installation Guide** | The Quick Installation Guide explains about safety precautions and other important information, and outlines brief installation procedures of the unit and software. |

## About the Software Help

Each software contains help files.
For details about viewing the help files, see "4.4.2 To View the Help" (page 27).

## Software / Manual CD-ROM Contents

| | |
|---|---|
| **Drivers** | Device Driver |
| | TWAIN*1 |
| | ISIS*1 |
| **Applications** | Image Capture Plus*1*2 |
| **Utilities** | User Utility*1 |
| | Scan Button Setting Tool*3 |
| | Scan Server Setting Tool*4*5 |
| | Network Scanner Select Tool*4*5 |
| | Network Setting Tool*4*6 |
| | Export Import Tool*7 |
| **Documents*8** | Operating Manual |
| | Control sheet*9 |

*1 USB connected scanner or selected scanner by "Network Scanner Select Tool" can communicate.
*2 Image Capture Plus is a Panasonic original application for configuring advanced scanning settings.
*3 This tool is used when the scanner is connected via USB.
*4 KV-S5078Y only.
*5 This tool is used when the scanner is connected over a LAN.
*6 This tool is used to configure the scanner for use over LAN connection. To make these settings, connect via USB.
*7 This tool is used to copy the settings of various software on the PC to another PC.
*8 Each document is a PDF document. To view documents correctly, install Acrobat Reader.
*9 For details about the control sheet, see "6.3.7 Using Control Sheets" (page 60).

# System Requirements

| | |
|---|---|
| **Computer** | IBM PC/AT or compatible machine with a CD-ROM drive |
| **CPU** | Intel Core i5 2.5 GHz or higher |
| **Memory** | 4 GB or more |
| **Interface** | USB 3.2 Gen1 (backward compatible)<br>LAN (10Base-T / 100Base-TX / 1000Base-T)*1 |
| **Recommended web browser** | Internet Explorer 11 / Mozilla Firefox (latest version) / Google Chrome (latest version) |

*1 KV-S5078Y only.

## Note

- For details about the system requirements, refer to [Read me first] in the Software / Manual CD-ROM.
- The scanning speed differs depending on the host computer's operating environment or the application used.
- Due to the slower speed of USB 1.1 or USB 2.0, it is recommended to use a USB 3.0 / USB 3.1 / USB 3.2 interface.
- The unit is not guaranteed to work if it is connected via a USB hub or USB switch.

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# 1 Feature Highlights

## Network Function (KV-S5078Y)

- This scanner can be connected directly to a network.

## Push Scan

- If you register the scanning conditions for a job in advance, you can start scanning without operating the computer.

## Preset Scan (KV-S5078Y)

- With preset scanning conditions, you can scan documents and save them directly to an FTP server or shared folder or send them as e-mail attachments from the scanner, without using a computer.

## High-speed Double Sided Scanning

- This scanner can scan documents at high speed, regardless of the image type (monochrome / color).

## Background Color Switching Function

- The background color of the scanned images can be switched between white and black.

## Double Feed Detection Function

- Double feeding can be detected even if you scan documents that contain paper of various thicknesses.

## Double Feed Skip (DFS) Function

- If the scanning process stops because documents (such as envelopes or receipts attached to documents) are being detected as double fed, the double feed skip (DFS) function can be used to resume scanning.

## Stapled document detection (KV-S5078Y)

- This scanner has a stapled document detection that detects documents that contain staples and stops scanning before any serious damage occurs.

## Count Only Mode (KV-S5078Y)

- Count Only Mode can count the number of sheets in a document without scanning images of the documents.

## Manual Feed Selector

- Bound documents can be scanned by setting the manual feed selector to manual feeding.

## Other Features

- You can set the left and right document guides independently. By doing so, you can reliably scan documents of differing paper sizes.
- The paper feed path can be opened widely to easily remove jammed paper and perform maintenance.
- This scanner has a counter function which indicates approximately when cleaning and the replacement of rollers will be necessary. The counters can be configured and checked.

# 2 Before You Start

## 2.1 Precautions

### Illegal Duplication

**It is unlawful to make duplicates of certain documents.**
Duplicating certain documents may be illegal in your country/area.
Penalties of fines and/or imprisonment may be imposed on those found guilty. The following are examples of items that may be illegal to duplicate in your country/area.

- Currency
- Bank notes and checks
- Bank and government bonds, and securities
- Passports, licenses, official or private documents, identification cards, and the like
- Copyright materials, or trademarks without the consent of the owner
- Postage stamps, and other negotiable instruments

This list is not inclusive, and no liability is assumed for either its completeness or accuracy. In case of doubt, contact your legal counsel.

**Notice**

Install your machine near a supervised area to prevent illegal duplication from being made.

### Installation

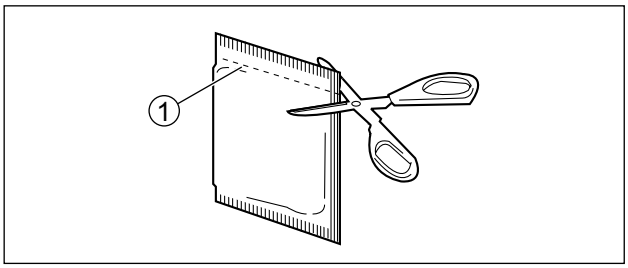
- Do not place the unit in direct sunlight, in a cold draft, or near heating apparatus.
- Do not place the unit near apparatus which generate electronic or magnetic noise.
- Protect the unit from static electricity.
- Do not move the unit immediately from a cold place to a warm place. It may cause condensation, which may damage the unit. Using the unit immediately will cause the document scanning to be imperfect. To avoid this, clean the inside rollers with a dry and soft cloth, leave the unit in a warm place for 1 or 2 hours, and then use the unit after you make sure that the inside of the unit has dried.
- When the unit is not used over an extended period of time, turn the unit off, and unplug the power cord. The unit consumes approximately 0.3 W of electricity even when the main unit is turned off.
- Use only the power cord and the USB cable that are provided with the unit.

## CD-ROM

- Do not write or stick paper on the front and/or back of CD-ROM.
- Do not touch the data side of the CD-ROM. When handling the CD-ROM, be careful not to leave fingerprints or otherwise damage the CD-ROM.
- Do not leave the CD-ROM where it is directly exposed to sunlight or near a heater for extended periods.
- Do not throw or bend the CD-ROM.

## Roller Cleaning Paper

Using a pair of scissors, open the bag along the dotted line (①), and take out the roller cleaning paper (sold separately).




- Keep the roller cleaning paper out of reach of small children.
- Do not store the roller cleaning paper in direct sunlight or in a place with a temperature over 40 ℃ (104 ℉).
- Only use the roller cleaning paper to clean the rollers.
- For details about the roller cleaning paper, please refer to the Safety Data Sheet (SDS). Please ask your Panasonic sales company about obtaining the Safety Data Sheet.
- If the bag is left opened for a long period of time before using it, the alcohol will evaporate. Please use the roller cleaning paper immediately after opening the bag.
- To purchase the roller cleaning paper (KV-SS03), please contact your dealer, or call our Supplies and Accessories department at 1-800-726-2797 (for the United States only).

KEEP AWAY FROM FIRE.

## Others

- Make sure to remove paper clips and staples from documents before scanning. Failing to do so can damage the unit, document, or both.
- Do not use thinner, benzine, or cleaners containing abrasives or surfactants, for cleaning the outside of scanner.
- In usage scenarios that require accuracy or reproducibility in scanned images, there may be cases where the desired image cannot be obtained, such as half-tone images or markings from fluorescent pens.

# 2.2 Management of Documents and Scanned Data

The management of documents and scanned data is the responsibility of the user.

- Make sure you have the same number of pages for important documents both before and after scanning, and take care not to leave any pages in the scanner. Before discarding scanned documents, it's recommended to inspect scanned images to ensure all documents are captured properly.
- Periodically back up important data.
- When having your computer or hard disk serviced, or when disposing of your computer or hard disk, completely erase any stored image data.

# 2.3 Security Notice

Panasonic cannot be responsible for following types of damages.

- Any damages due to misuse of this unit.
- Any damages due to security or other network-related problems. (When this unit is connected to a network, it is the responsibility of the user to connect it to a network that implements appropriate security measures.)
- Any damages due to leakage of your information.

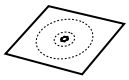
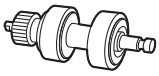
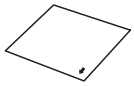
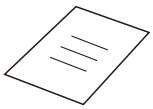
## 2.3.1 Management of Setting Information

The management of setting information, such as network configurations, passwords, e-mail addresses, etc., is the responsibility of the user.

- Keep a copy of all important data. If you have the unit serviced, etc., data stored in this unit may be changed or erased.
- Set a user name and password before using Configuration Web (page 76).
  - Do not use a password that can easily be guessed.
  - The password should be unique. Do not use the same password for other purposes.
  - Keep the password secret.
  - Change the password periodically.
- Please contact your dealer when the unit needs to be serviced.
- Erase all of the settings in the unit before you discard or transfer the unit. Refer to "12.9 Factory Reset (KV-S5078Y)" (page 129) to erase the settings.

# 2.4 Check the Accessories

Check that all accessories are included before installing the unit. In the event that an item is missing, please contact your dealer.

| Accessory | Name | Notes |
|---|---|---|
| | Power cord | Use the power cord appropriate for where you use the unit. |
| | USB cable | — |
|  | Software / Manual CD-ROM | Drivers, Applications, Utilities, Documents |
| | Quick Installation Guide | — |
|  | Double feed prevention roller | — |
|  | Shading paper | Refer to "12.12 Shading Adjustment" (page 136). |
| | Exit support sheet | Refer to "6.3.5 Exit Support Sheet" (page 58). |
|  | Warranty | For the United States only. |

## Notice

- It is highly recommended to keep the original carton and all packing materials. They are necessary when repacking.
- The serial number, which is required to install the software, is printed on the Software / Manual CD-ROM packaging. Save this packaging in a safe location.

# 2.4.1 Optional Accessories

### Consumables

| Part Name | Part Number | Notes |
|---|---|---|
| Roller exchange kit | KV-SS068 | Refer to "10.3 Replacing the Rollers" (page 104). |
| Roller cleaning paper | KV-SS03 | Refer to "Roller Cleaning Paper" (page 13). |
| Ink cartridge | KV-SS021 | Refer to "11.1 Installing the Imprinter Unit and Ink Cartridge" (page 110). |

### Optional Accessories

| Part Name | Part Number | Notes |
|---|---|---|
| Imprinter unit | KV-SS014 | Refer to "11.1 Installing the Imprinter Unit and Ink Cartridge" (page 110). |
| Image Capture Plus Add-in (1 license) | KV-SS092*1*2 | Required to installing OCREngine for Image Capture Plus on 2 or more PCs. (For 1 license) |
| Image Capture Plus Add-in (10 license) | KV-SS093*1*2 | Required to installing OCREngine for Image Capture Plus on 2 or more PCs. (For 10 licenses) |
| Image Capture Plus (OCR module for network scan) [10-user license] | KV-SS094*1*2 | Refer to "7 Scan Server (KV-S5078Y)" (page 74). |
| Image Capture Plus Zonal OCR Add-in (1 license) | KV-SS095*1 | Extend the maximum number of fields for zone OCR in Image Capture Plus from 3 to 10. (For 1 license) |
| Image Capture Plus Zonal OCR Add-in (10 license) | KV-SS096*1 | Extend the maximum number of fields for zone OCR in Image Capture Plus from 3 to 10. (For 10 licenses) |

*1 The serial number, which is required to install the software, is printed on the CD-ROM packaging. Save this packaging in a safe location.

*2 KV-S5078Y only.

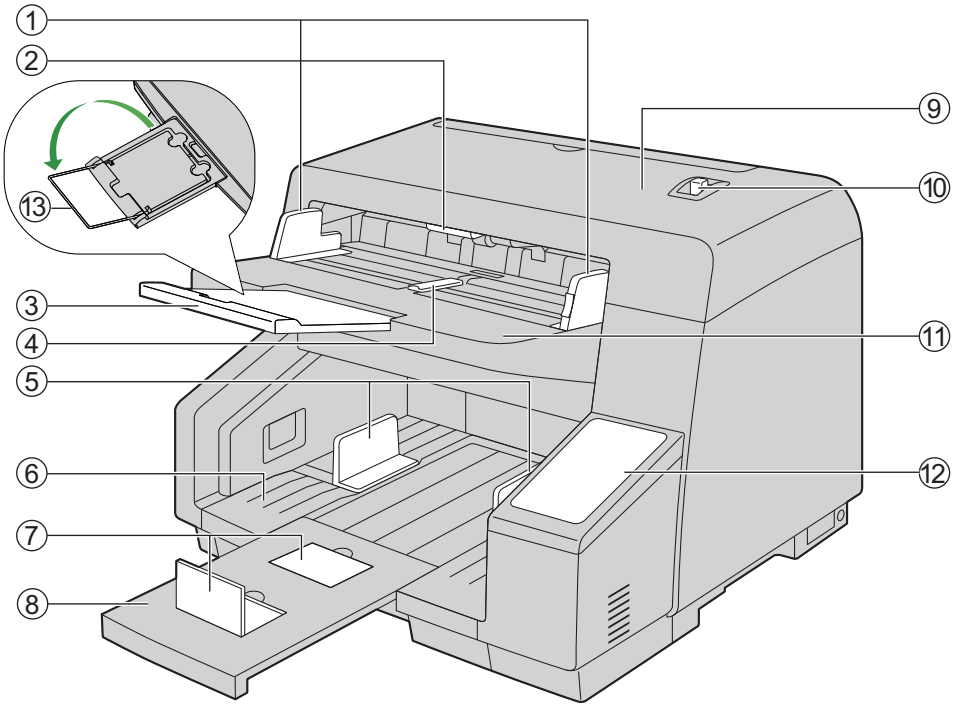
## Note

- To purchase separately sold items, contact your dealer.

# 3 Location of Controls

## 3.1 Main Unit

### 3.1.1 Front




**① Document guides**

**② ADF door release**

▲Open : Push to open the ADF door.

**③ Feed extension tray**

**④ Document guides selector**

**⑤ Exit guides**

**⑥ Exit tray**

**⑦ Exit stopper**

**⑧ Exit extension tray**

**⑨ ADF door**

**⑩ Manual feed selector**

You can select the document feeding method.
MANUAL : Manual feeding
AUTO : Automatic feeding

**⑪ Feed tray**

: Load the documents with the surface to be scanned facing up.

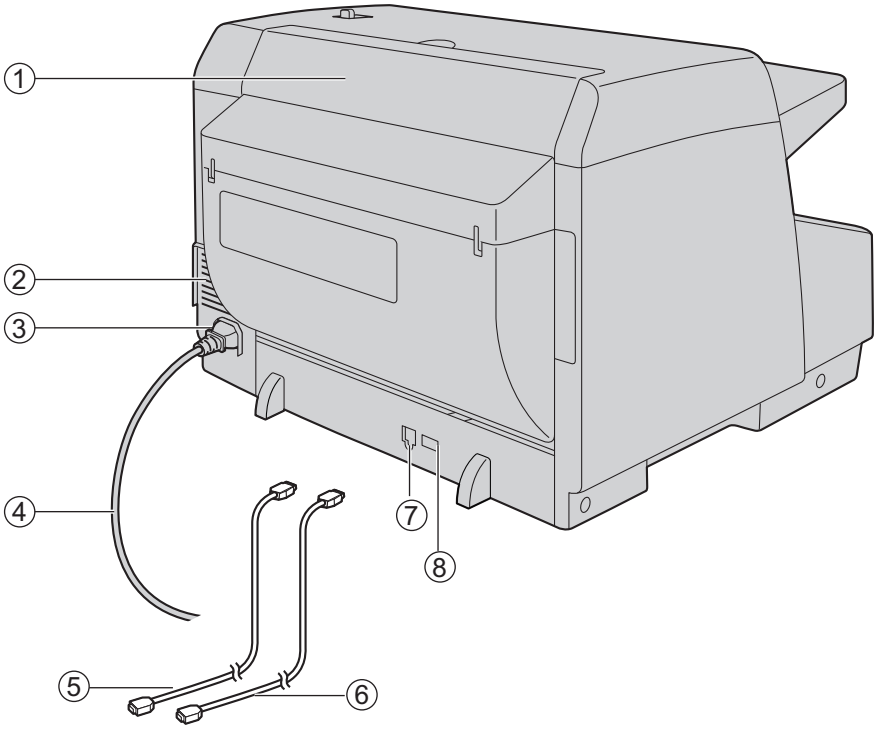
: Make sure to remove paper clips and staples from documents.

**⑫ Operation panel**

For details, refer to "5 Operation Panel" (page 28).

**⑬ Extension bar**

# 3.1.2 Rear




① **Imprinter door**
You open this door when installing the optional imprinter unit or ink cartridge. For details about installing the imprinter unit, refer to "11.1 Installing the Imprinter Unit and Ink Cartridge" (page 110).

② **Fan exhaust vent**

③ **AC inlet**

④ **Power cord**

⑤ **USB cable**
Connect the USB cable to the scanner and the other end of the USB cable to the computer.

⑥ **LAN cable (not supplied) (KV-S5078Y)**
To assure continued emission limit compliance, use only shielded LAN cable. The cable should be a CAT 5 (Category 5) or higher for 10Base-T / 100Base-TX, or CAT 5e (Enhanced Category 5) or higher for 1000Base-T.

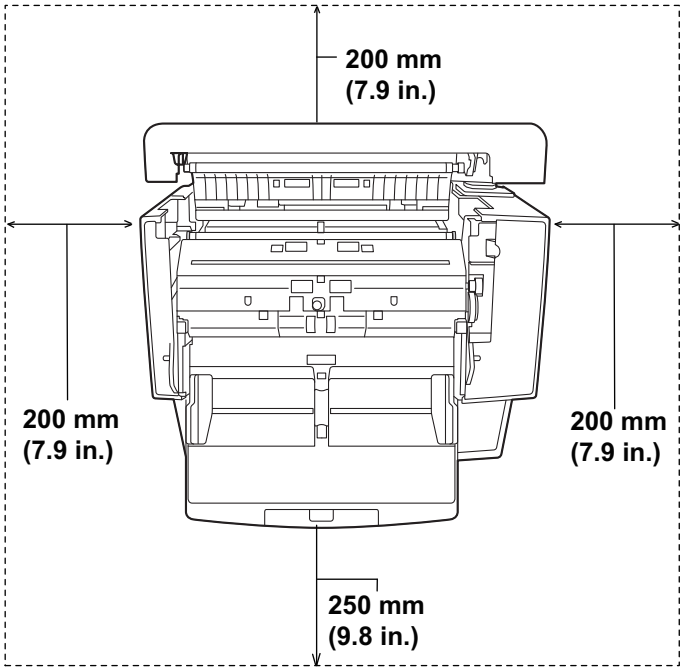
⑦ **USB connector**

⑧ **LAN connector (KV-S5078Y)**

# 4 Installation

## 4.1 Required Space Around the Scanner

In order to ensure proper operation, install the unit maintaining the proper distances from surrounding objects, as shown in the following illustration.



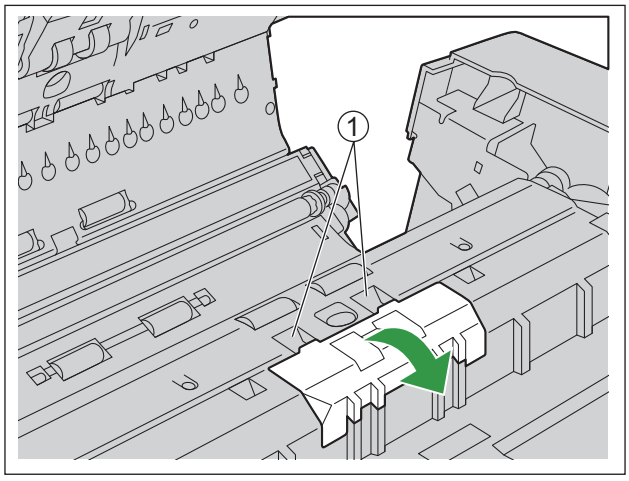
# 4.2 Installing the Unit

Move this unit with two persons.
After installation, first install the double feed prevention roller in the unit.

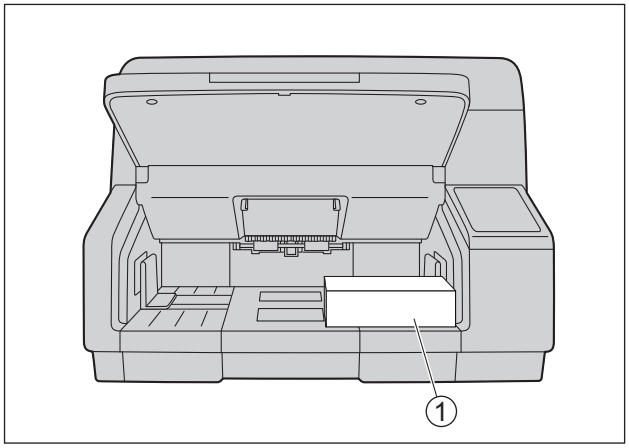
## Notice

- Do not move the unit immediately from a cold place to a warm place. It may cause condensation, which may damage the unit. Using the unit immediately will cause the document scanning to be imperfect. To avoid this, clean the inside rollers with a dry and soft cloth, leave the unit in a warm place for 1 or 2 hours, and then use the unit after you make sure that the inside of the unit has dried.
- Do not place the unit in extremely high temperatures such as near heat sources, etc.
- This equipment is not suitable for use in locations where children are likely to be present.

1. Remove all packing tape.
2. Open the ADF door (page 39).
3. Use the indents (①) to pull the double feed prevention roller cover towards you to open it.

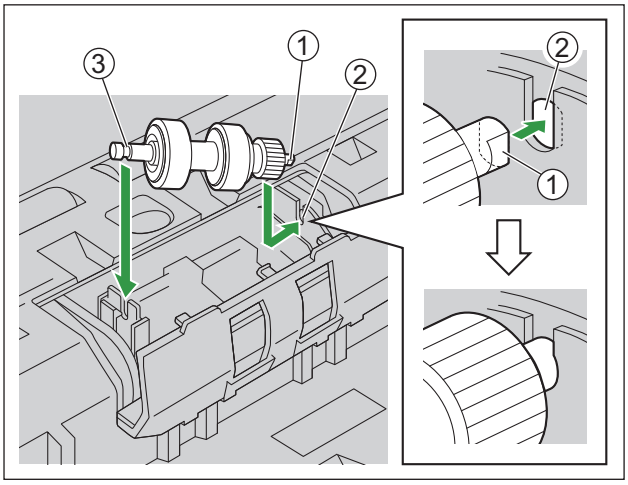



4. Take out the double feed prevention roller (①).



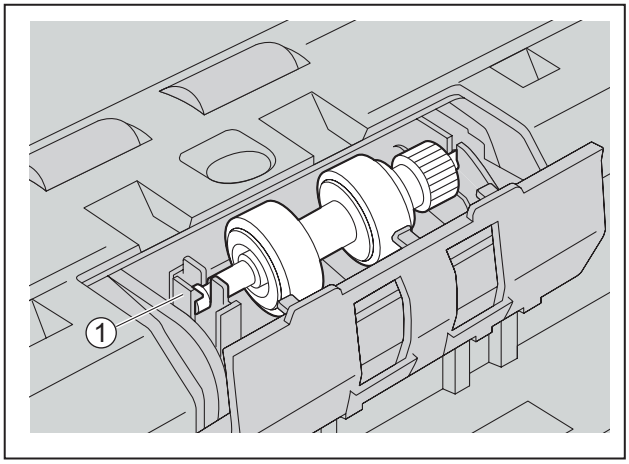
**5.** Install the double feed prevention roller.

- Align the shaft that is shaped as indicated by ① with the notch in the roller mount (②), and then insert the shaft in the notch. Push the shaft on the opposite side (③) until it clicks into place.

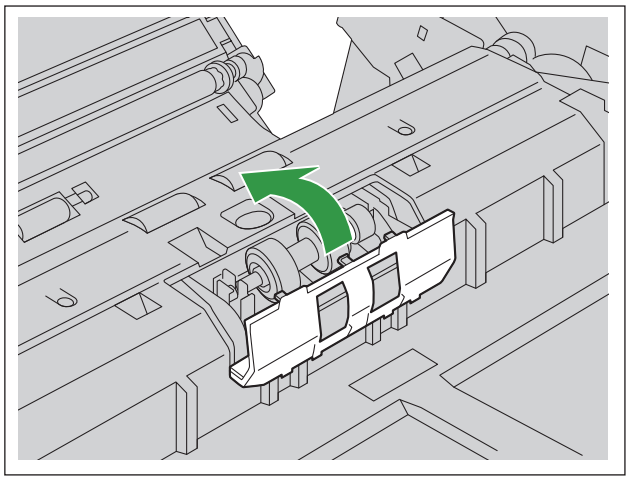



## Notice

After you install the double feed prevention roller, make sure that the shaft is inserted into the tab (①). If the roller is not installed correctly, it may cause double feeding or a paper jam.



6. Push the double feed prevention roller cover until it clicks into place to close it.



## Notice

- Make sure that the double feed prevention roller cover does not stick up. If the double feed prevention roller cover is closed incompletely, damage or paper jams can occur.

7. Close the ADF door (page 39).

# 4.3 Installing the Software

**KV-S5078Y**

- When turning on the unit's power for the first time, select the language used on the LCD by using the ▲ or ▼ cursor buttons, and then press the OK button to complete your selection.
- You can change the language used on the LCD. For details, see "6.1.3 Changing the Language Used on the LCD (KV-S5078Y)" (page 38).
- When turning on the unit's power for the first time, set the date and time by using the ▲, ▼, ◄ or ► cursor buttons, and then press the OK button. For details, see "6.1.4 Changing the Date and Time (KV-S5078Y)" (page 38).

## Notice

- Make sure to log on as an administrator to install the software.

The software on the enclosed Software / Manual CD-ROM can be installed on your computer.
You can select from the 2 installation methods below, depending on your needs.

**a. Complete:** Install all the drivers, applications, utilities and Operating Manual.
**b. Custom:** Install only selected items.

## Note

- Normally, it is recommended to select [Complete].

# 4.3.1 When Using This Unit with a USB Connection

## Note

- Make sure to connect the unit to your computer after installing the software. Connecting the unit to your computer and turning on the unit’s power before installing the software may influence the software installation. If you connect the unit to your computer and turn on the unit’s power before installing the software, install the software after disconnecting the unit from your computer.

1. Check that the unit has been turned OFF.
   - If the power is on, turn off the unit's power (page 38).
2. Insert the Software / Manual CD-ROM into the CD/DVD drive on your computer.
   - The setup window will appear.
   - If the AutoPlay dialog box is displayed, select [CDRun.exe].
   - If the setup window does not appear, double-click [CDRun.exe] in the Software / Manual CD-ROM.
   - When the model selection screen is displayed, select the correct model to use.
3. Check the [Read me first] file.
4. Select the desired installation methods from "Software" on the left side of the screen.
   - If you selected [Custom], select the item that you want to install. If you select TWAIN or ISIS, Image Capture Plus will also be installed.
5. Follow the instructions on the screen and complete the installation.
   - Select [USB] as the connection method for the scanner. (KV-S5078Y)
   - Restart your computer if you are prompted to do so.
6. Plug in the power cord and connect the USB cable.
7. Turn ON the unit's power (page 38).

# 4.3.2 When Using This Unit with a Wired LAN Connection (KV-S5078Y)

For details about network-related settings, consult your network administrator.

1. Insert the Software / Manual CD-ROM into the CD/DVD drive on your computer.
   - The setup window will appear.
   - If the AutoPlay dialog box is displayed, select [CDRun.exe].
   - If the setup window does not appear, double-click [CDRun.exe] in the Software / Manual CD-ROM.
   - When the model selection screen is displayed, select the correct model to use.
2. Check the [Read me first] file.
3. Select the desired installation methods from "Software" on the left side of the screen.
   - If you selected [Custom], select the item that you want to install. If you select TWAIN or ISIS, Image Capture Plus will also be installed.
4. Follow the instructions on the screen and complete the installation.
   - Select [Wired LAN] as the connection method for the scanner.
   - Restart your computer if you are prompted to do so.
   - If multiple scanners are displayed, select the scanner with the same host name as the unit. You can confirm the host name of the unit as follows.
     – Menu button ( ) ⟶ [Network Setting] ⟶ [Host Name]

**When using a DHCP server:**
Select [Automatic Configuration (DHCP)] for the IP address.
If the unit cannot connect to the network, confirm whether the DHCP server is running correctly.

**When not using a DHCP server:**
Select [Manual Configuration (Static IP)] for the IP address.
Connect the unit to your computer via USB, following the instruction on the screen. Then, configure the network settings (page 120).

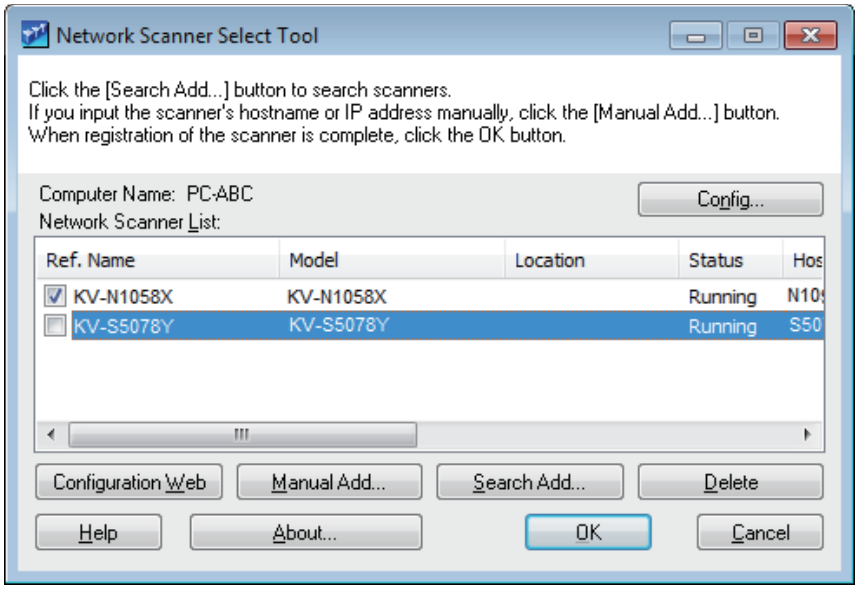
## Notice

- After the installation is complete, check that the network-related functions are configured correctly.
- If you are not using this scanner with a USB connection, remove the USB cable.

## 4.3.2.1 Changing the Scanner Connected over LAN

You can change the scanner used with a LAN Connection.

1. Start the Network Scanner Select Tool.
2. Select the check box of the scanner you use.




3. Click [OK].

# 4.4 Viewing Operating Manual and Help Installed

You can view the Operating Manual and the software help installed on the computer.

## 4.4.1 To View the Operating Manual

1. Select [All Programs] ⟶ [Panasonic] ⟶ [Scanner Manuals].
2. Select the manual.
   - The manual will open.

### Note

- In Windows 8 and Windows 10, select the [Panasonic Document Scanner] section on the Apps screen.

## 4.4.2 To View the Help

### For Image Capture Plus

1. Select [All Programs] ⟶ [Panasonic] ⟶ [Image Capture Plus] ⟶ [Image Capture Plus Help].

### For User Utility or Scan Button Setting Tool

1. Select [All Programs] ⟶ [Panasonic] ⟶ [Scanner Tools].
2. Select that item's help.

### Note

- In Windows 8 and Windows 10, select the [Panasonic Document Scanner] section on the Apps screen.

### For Network Setting Tool, Network Scanner Select Tool or Scan Server Setting Tool (KV-S5078Y)

1. Start the program.
2. Click the help button.

### For TWAIN or ISIS

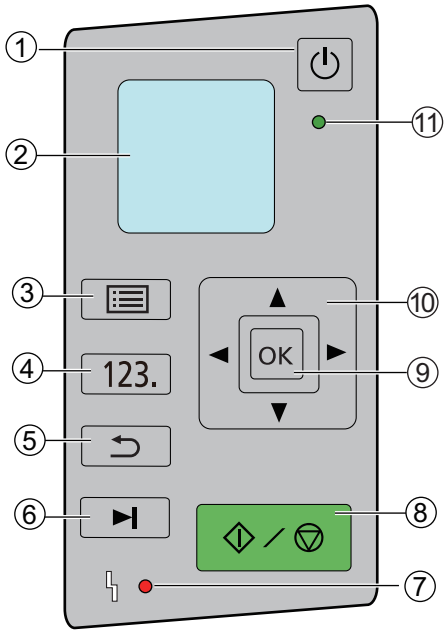
1. Click the help button on the screen of each driver.

### For Export Import Tool

1. Start the program.
2. Click the icon ( ).

# 5 Operation Panel

## KV-S5078Y




① **Power button (⏻)**
For details, refer to "6.1.1 Turning ON/OFF the Unit's Power" (page 38).

② **LCD**
Selected jobs, error codes, notification messages, and the scanner status are displayed.

③ **Menu button ( ☰ )**

- Displays the Menu screen (page 35). You can access the Function Setting screen (page 35), the Counter screen (page 36), the Network Setting screen (page 37) and the Maintenance screen (page 37) from the Menu screen.
- The Menu button can be locked. (page 35)
- If [Count Only Mode Shortcut] is enabled, [Count Only Mode] (page 59) can be used by holding the Menu button ( ☰ ) for 1 second or more.

④ **Job button ( 123. )**
Displays the job mode screen of push scan. The available job modes are [USB], [Network PC], and [Preset Scan], and the pre-selected mode is displayed (page 34).

⑤ **Back button ( ⮌ )**
Returns the LCD to the previous screen.

⑥ **Skip button ( ▶| )**

- If you press this button after a double feed or a dog-eared sheet is detected and scanning has been paused, the sheet (or sheets) detected as a double feed or the dog-eared sheet will be scanned and then ejected from the scanner. Scanning will continue after the sheet is scanned and ejected.
- To lock the Menu button ( ☰ ), press and hold the Skip button ( ▶| ) for 3 seconds or more.

⑦ **Error LED (Red)**
Lights when an error occurs. For details, refer to "5.1 About LED" (page 31).

**⑧ Start/Stop button (◇/▽)**

- During scanning, pressing this button stops scanning.
- If you press this button after a double feed is detected and scanning has been paused in pull scan, scanning will stop without scanning the document.
- If you set [Wait Key] for "Manual Feed Mode" in your application software, pressing this button starts scanning. For details about "Manual Feed Mode", refer to the Image Capture Plus, TWAIN, or ISIS help.

**⑨ OK button**

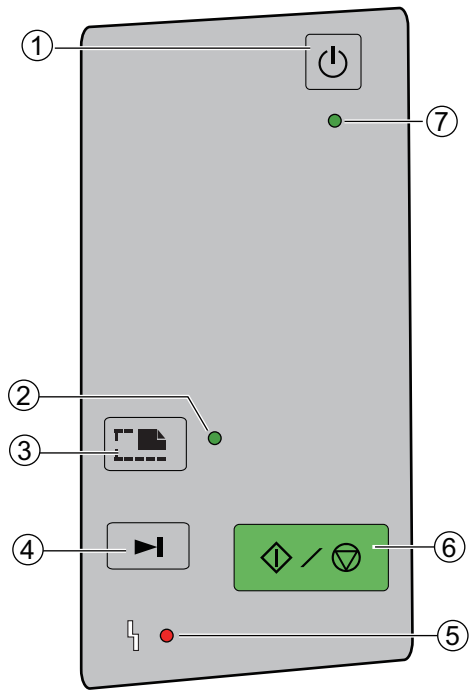
**⑩ Cursor button**

- Used to select items on the LCD screen.
- Use ◄ or ► of the cursor button at the basic screen in the ready mode to set the Small/Thin paper mode (page 52).
- Use ▲ or ▼ of the cursor button at the basic screen in the ready mode to select the position of feed tray (100 sheets / 200 sheets / Maximum).

**⑪ Ready LED (Green)**

Shows the scanner’s status. For details, refer to "5.1 About LED" (page 31).

## KV-S5058




① **Power button (⏻)**
For details, refer to "6.1.1 Turning ON/OFF the Unit's Power" (page 38).

② **Small/Thin paper mode LED (Green)**
Lights when feed mode is set to Small/Thin paper mode. For details, refer to "5.1 About LED" (page 31).

③ **Feed mode button ( )**
Select whether to enable/disable the Small/Thin paper mode function.

④ **Skip button ( ▶| )**
If you press this button after a double feed or a dog-eared sheet is detected and scanning has been paused, the sheet (or sheets) detected as a double feed or the dog-eared sheet will be scanned and then ejected from the scanner. Scanning will continue after the sheet is scanned and ejected.

⑤ **Error LED (Red)**
Lights when an error occurs. For details, refer to "5.1 About LED" (page 31).

⑥ **Start/Stop button ( / )**

- During scanning, pressing this button stops scanning.
- If you press this button after a double feed is detected and scanning has been paused in pull scan, scanning will stop without scanning the document.
- If you set [Wait Key] for "Manual Feed Mode" in your application software, pressing this button starts scanning. For details about "Manual Feed Mode", refer to the Image Capture Plus, TWAIN, or ISIS help.

⑦ **Ready LED (Green)**
Shows the scanner's status. For details, refer to "5.1 About LED" (page 31).

# 5.1 About LED

The status of the scanner is displayed by the Error LED (Red) and the Ready LED (Green) as shown in the table below.

| Error LED (Red) | Ready LED (Green) | Status |
|---|---|---|
| OFF | OFF | Power OFF*1 |
| OFF | ON | Ready mode<br>Scanning |
| OFF | Blinking (Fast) | Warming up |
| OFF | Blinking (Fast, 2 times consecutively) | Double Feed Skip mode |
| OFF | Blinking (Fast, 3 times consecutively) | Dog-ear detection skip mode |
| OFF | Blinking (Slow) | Sleep mode*2<br>Cleaning mode<br>During shading<br>Downloading firmware |
| Blinking (Slow) | ON | Notification mode*3 |
| Blinking (Slow) | OFF | Network Error*4 |
| ON | OFF | Error*5 |

*1 If the power off feature in sleep mode is enabled, and if no operation is performed for a certain period of time, the scanner will turn off automatically. Press the power button (⏻) of the scanner to turn it on. You can enable/disable the power off feature, and change the time until the scanner turns off. See "5.2.1 Menu Screen" (page 35).

*2 If no operation is performed for 15 minutes or longer, the scanner will enter sleep mode automatically to conserve energy. Press any button (except the power button) on the scanner's operation panel to return to ready mode. The time until the scanner enters sleep mode can be changed. Refer to "5.2.1 Menu Screen" (page 35).

*3 For details about the notification, check the LCD or User Utility.

*4 For details about the network error, refer to "12.11 Error Codes and Error Messages (KV-S5078Y)" (page 133).

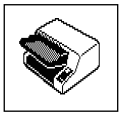
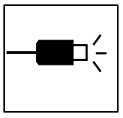
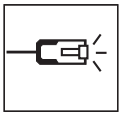
*5 For details about the error, refer to "12.11 Error Codes and Error Messages (KV-S5078Y)" (page 133).

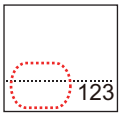
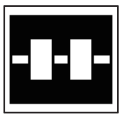
### KV-S5058

| Small/Thin paper mode LED (Green) | Status |
|---|---|
| OFF | Small/Thin paper mode is disabled. |
| ON | Small/Thin paper mode is enabled. |

# 5.2 About LCD (KV-S5078Y)

The status of the unit is displayed on the LCD as follows.

| LCD | Status |
|---|---|
| | The scanner is warming up. |
| | This is the basic display of the screen in the ready mode.<br>• Use ◄ or ► of the cursor button to select the Small/Thin paper mode (page 52).<br>• Use ▲ or ▼ of the cursor button to select the position of the feed tray. (100 sheets / 200 sheets / Maximum) |
|  | The USB cable and LAN cable are not connected. |
|  | The USB cable is not connected. |
|  | The LAN cable is not connected. |

<table>
<tr><th>LCD</th><th>Status</th></tr>
<tr><td> 
</td><td>The Scanner status and scanning counter are displayed.<br>• : The following icons are displayed.
<table>
<tr><th>icon</th><th>Contents</th></tr>
<tr><td> </td><td>The system counter is displayed.</td></tr>
<tr><td> </td><td>The user counter is displayed.</td></tr>
<tr><td> </td><td>The scan counter is displayed.</td></tr>
<tr><td>  </td><td>Clean the rollers.</td></tr>
<tr><td> </td><td>Replace the rollers.</td></tr>
<tr><td> </td><td>Clean the conveyors, sensors and scanning glasses.</td></tr>
</table></td></tr>
</table>

## Examples of displays of scanner statuses are as follows.

| | |
|---|---|
| G: nn<br>GROUP NAME | Group number (two-digit) and Group name of job.<br>Push Scan Mode: USB mode |
| J: nn<br>JOB NAME | Job number (two-digit) and Job name.<br>Push Scan Mode: USB Mode / Network PC mode |
| PC: nn<br>PC NAME | PC number (two-digit) and PC name.<br>Push Scan Mode: Network PC mode |
| ★: n<br>PRESET GROUP NAME | Preset group number (one-digit) and preset group name.<br>Push Scan Mode: Preset Scan mode |
| PS: nn<br>PRESET NAME | Preset number (two-digit) and preset name.<br>Push Scan Mode: Preset Scan mode |
| Unn<br>MESSAGE | Error code and Error message.<br>• For details, refer to "12.11 Error Codes and Error Messages (KV-S5078Y)" (page 133). |

# 5.2.1 Menu Screen

The Menu screen is displayed when you press the Menu button ( ☰ ).
Select [Function Setting], [Counter], [Network Setting] or [Maintenance] using ▲ or ▼ of the cursor button.
Press the OK button to complete your selection.
If you press the Back button ( ⮌ ) when the Menu screen is displayed, you will return to the previous screen.
To lock the Menu button ( ☰ ), press and hold the Skip button ( ▶▌ ) for 3 seconds or more. To release the lock, press and hold the Skip button for 3 seconds or more again.

## Note

- Some settings can also be configured using Configuration Web. For details, refer to "8 Using Configuration Web (KV-S5078Y)" (page 76).
- Some settings can also be configured using Network Setting Tool. For details, refer to "12.2 Perform Network Settings with USB Connection (KV-S5078Y)" (page 120).

## Function Setting

Configures each function's setting. Use ▲ or ▼ of the cursor button to select items, and ▲, ▼, ◄ or ► to change their value. Press the OK button to complete your selection.

**Setting contents**

| Item | Contents |
|---|---|
| Version | Display the scanner's firmware version. |
| USB ID | Display the scanner's USB serial number. |
| Date & Time | Set the date and time. |
| Language | Set the language used on the LCD. |
| Sleep (min.) | Set the length of time before entering sleep mode (1 to 120 min.). |
| Auto Off | Enables (On) or disable (Off) the power auto-off function. |
| Auto Off (hour) | Set the length of time before the auto-off function activates (15 min. to 72 hrs.). |
| Auto Off (min.) | |
| LCD Contrast | Set the LCD contrast (5 levels). |
| Roller Cleaning Notification | Enable (On) or disable (Off) the roller cleaning notification. |
| Roller Replacement Notification | Enable (On) or disable (Off) the roller replacement notification. |
| Glass Cleaning Notification | Enable (On) or disable (Off) the scanner's internal cleaning notification function. |
| Select Counter | Select [Scan], [User] or [System] as the counter that appears on the basic display of the screen and the screen displayed during scanning. |
| Job mode | Select the mode of push scan from [USB], [Network PC] or [Preset Scan]. |
| Buzzer volume[*1] | Sets the volume of the buzzer sound (OFF / 1 / 2 / 3 [maximum]). |

| Item | Contents |
|---|---|
| Count Only Mode Shortcut | Sets whether Count Only Mode (page 59) can be activated by holding the Menu button ( ) for 1 second or more. |

*1 Key buzzers, error buzzers etc.

## Counter

Select the counter using ▲ or ▼ of the cursor button, and press the OK button to complete your selection. The types of selectable counters are shown below.

**Setting contents**

| Item | Contents |
|---|---|
| Scan Counter | The number of sheets in a document scanned during the scanning process. The scanned quantity is cleared each time you start scanning. |
| User Counter | The number of sheets in a document scanned until the counter is cleared by the user. |
| System Counter | The number of sheets in a document scanned by the scanner since it was shipped from the factory. |
| After Clean Roller Counter | The number of sheets in a document scanned since clearing the counter after cleaning the rollers. Clear after cleaning the rollers. |
| After Replace Roller Counter | The number of sheets in a document scanned since clearing the counter after replacing the rollers. Clear after replacing the rollers. |
| Clear User Counter | Clear User Counter to zero (0). |
| Clear Clean Roller Counter | Clear After Clean Roller Counter to zero (0). |
| Clear Replace Roller Counter | Clear After Replace Roller Counter to zero (0). |
| Clean Roller Timing | Displays the number of sheets in a document that can be scanned until the roller cleaning notification appears. |
| Replace Roller Timing | Displays the number of sheets in a document that can be scanned until the roller replacement notification appears. |

## Network Setting

Perform network-related settings. Use ▲ or ▼ of the cursor button to select items, and ◄ or ► to change their value. Press the OK button to complete your selection.

**Setting contents**

| Item | Contents |
|---|---|
| Network Status | Display the network status. |
| DHCP | Enable (On) or disable (Off) DHCP. |
| AutoIP | Enable (On) or disable (Off) Auto IP. If DHCP is disabled, this setting cannot be changed. This setting can also be changed from Network Setting Tool (page 120). |
| IP Address | Set the IP address. If DHCP is enabled, this will be set automatically and cannot be changed. This setting can also be changed from Network Setting Tool (page 120). |
| Subnet Mask | Set the subnet mask. If DHCP is enabled, this will be set automatically and cannot be changed. This setting can also be changed from Network Setting Tool (page 120). |
| Default Gateway | Set the default gateway. If DHCP is enabled, this will be set automatically and cannot be changed. This setting can also be changed from Network Setting Tool (page 120). |
| DNS Server 1 | Set the primary DNS server. |
| DNS Server 2 | Set the secondary DNS server. |
| WINS Server 1 | Set the primary WINS server. |
| WINS Server 2 | Set the secondary WINS server. |
| HTTPd | Enable (On) or disable (Off) the HTTPd.<br>If HTTPd is disabled, "Configuration Web" is not available. |
| Host Name | Display the host name for the scanner. |
| MAC Address | Display the scanner's MAC Address. |
| Authentication Type | Display the network authentication type. |

## Maintenance

**Setting contents**

| Item | Contents |
|---|---|
| Cleaning Mode | Start Cleaning Mode. For details, see "10.2.5 Cleaning Mode" (page 100). |
| Count Only Mode | Starts Count Only Mode. For details, see "6.3.6 Using Count Only Mode (KV-S5078Y)" (page 59). |

# 6 Operation

## 6.1 Basic Operations

### 6.1.1 Turning ON/OFF the Unit's Power

#### Turning ON the unit's power

1. Press the power button (⏻).
   - Ready LED (Green) will flash and then turn on.

#### Turning OFF the unit's power

1. Press and hold the power button (⏻) for 1 second or more to turn the unit off.

### 6.1.2 Returning from Sleep Mode

1. Press any button other than the power button (⏻) on the operation panel.

### 6.1.3 Changing the Language Used on the LCD (KV-S5078Y)

You can change the language used on the LCD.

1. Press the Menu button ( ☰ ).
2. Press the OK button.
3. Press ▼ of the cursor button 3 times.
4. Press the OK button.
5. Use ▲ or ▼ of the cursor button to select a language used on the LCD.
6. Press the OK button.

### 6.1.4 Changing the Date and Time (KV-S5078Y)

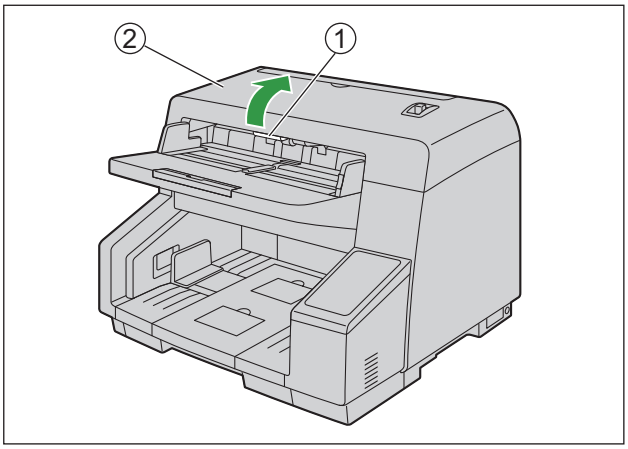
You can change the date and time set in the unit.

1. Press the Menu button ( ☰ ).
2. Press the OK button.
3. Use ▲ or ▼ of the cursor button to select "Date & Time".
4. Press the OK button.
5. Use ▲, ▼, ◄ or ► of the cursor button to change the value.
6. Press the OK button.

# 6.1.5 Opening/Closing the ADF Door

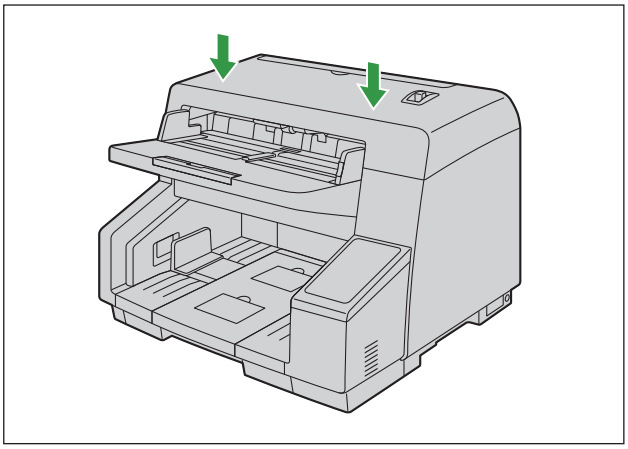
## Opening the ADF door

**1.** Press the ADF door release (①), and open the ADF door (②).




## Closing the ADF door

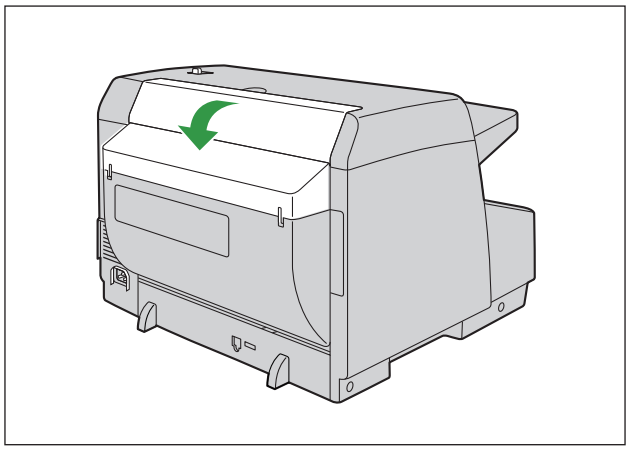
**1.** Push both sides of the ADF door down slowly until it clicks into place.



# 6.1.6 Opening/Closing the Imprinter Door

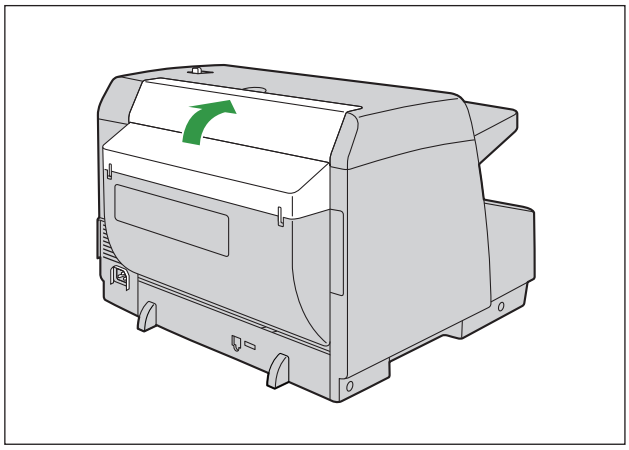
## Opening the imprinter door

1.



## Closing the imprinter door

1.



# 6.1.7 Adjusting the height of the feed tray

## KV-S5078Y

Use ▲ or ▼ of the cursor button to select the position of the feed tray.

- 100 sheets / 200 sheets / Maximum

## KV-S5058

Adjusting the height of the feed tray from User Utility.

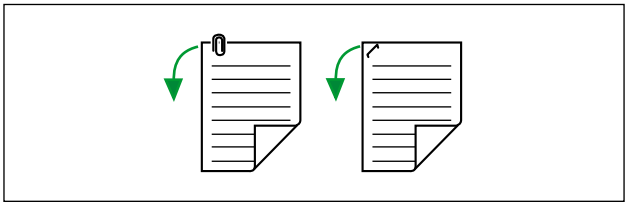
1. Start User Utility.
2. Click [Maintenance Setting].
3. Select the height of the feed tray in [Changing the Feed tray position].
   - Low (100 sheets) / Middle (200 sheets) / High (Maximum)

# 6.2 Preparing Documents for the ADF

## 6.2.1 About Documents for the ADF

### Notice

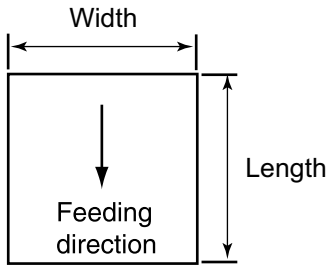
- Make sure to remove paper clips and staples from documents before scanning. Failing to do so can damage the unit, document, or both.



- Before feeding, ensure that the document is not creased or folded. If the document is creased or folded, a paper jam or damage to the document may occur.

### 6.2.1.1 Compatible Paper

**Paper size:**




The compatible paper sizes for this unit are as follows.

| | |
|---|---|
| Width | 48 mm – 307 mm (1.9 in. – 12.09 in.) |
| Length | **Automatic Feeding:**<br>70 mm – 432 mm (2.8 in. – 17 in.)<br>**Manual Feeding:**<br>70 mm – unlimited (2.8 in. – unlimited)*1 |

*1 Using "Long Paper", you can scan long documents by splitting them into smaller parts. For details about "Long Paper", refer to the Image Capture Plus, TWAIN, or ISIS help.

## Paper weight:

| | |
|---|---|
| **Automatic Feeding** | 20 g/m² – 157 g/m² (5 lb. – 42 lb.) |
| **Manual Feeding** | 20 g/m² – 209 g/m² (5 lb. – 56 lb.) |

## Paper capacity for the feed tray:

330 sheets (80 g/m² (21 lb.), High-quality woodfree paper)
150 sheets (80 g/m² (21 lb.), High-quality woodfree paper, less than 100 mm (3.9 in.) length paper)

## Notice

- The height of the documents should not exceed the limit mark on the document guide.

## Recommended paper types:

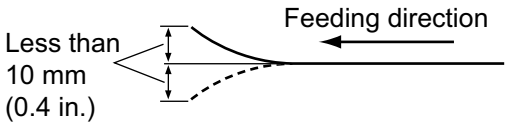
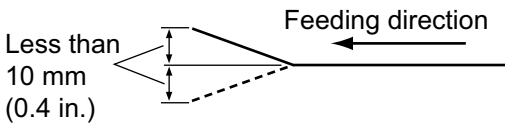
| | |
|---|---|
| • High-quality woodfree paper<br>• Bond paper<br>• Newspaper | • Recycled paper<br>• OCR paper<br>• Bank checks |

## Note

- High-quality woodfree paper is the recommended paper type.

## Curl and Folding:

Documents must also meet the following conditions:

| | |
|---|---|
| **Curl** |  |
| **Folding** |  |

## Mixed documents

Documents must also meet the following conditions:

| | |
|---|---|
| **Width** | Width ratio within 0.8. |
| **Length**[*1] | Within 70 mm - 432 mm (2.75 in. – 17 in.) |
| **Thickness** | The thickness of the thickest sheet is at most 1.5 times that of the thinnest sheet. |

[*1] Using "Length Control", you can adjust the length of scanned image automatically. For details about "Length Control", refer to the Image Capture Plus, TWAIN, or ISIS help.

## 6.2.1.2 Incompatible Documents

### Do not scan the following types of paper:

- Cloths or metallic sheets
- Documents out of specified size, thickness, and weight
- Photographs
- Thermal or photosensitive paper
- Documents containing hard attachments such as metal or plastic (ex. clips or staples)
- Document with wet ink or cinnabar seal ink
- Damaged or notched documents
- Non-rectangular or irregularly shaped paper
- Glued documents
- Transparent documents such as OHP sheet, plastic film, etc.
- Documents with punch holes of 8 mm (0.31 in.) or more.
- Documents with a punch hole spacing of 20 mm (0.78 in.) or less.

### The following types of documents may not scan properly:

- Chemical paper such as carbonless copy paper
- Carbon paper
- Documents with uneven paper thickness (such as envelopes)
- Coated paper
- Partially transparent documents such as tracing paper.
- Curled, wrinkled or folded documents
- Perforated or punched paper
- Paper with wood or metal content
- Extremely smooth, shiny paper, or paper that is highly textured

### Note

- Paper with a glossy surface such as coated paper or photographs are susceptible to damage such as scratching.
- Scanning the following kinds of documents may contaminate the inside of the scanner or adversely influence the lifetime of the rollers. When scanning the following kinds of documents, clean the inside of the scanner frequently.
  - Documents with toner or graphite (pencil) powder
  - Documents treated chemically or containing impurities
  - Coated paper
  - Carbon paper

### 6.2.1.3 Notes about Documents for Scanning

- Depending on the paper type, scanning results may be poor when you scan incompatible documents, or even documents that should be compatible.
  If scanned images are skewed, paper jams occur, or double feeding occurs, try scanning again after doing the following:
  - Clean the inside of the scanner (page 94).
  - Reduce the number of sheets of paper loaded on the feed tray.
  - Change the orientation (portrait/landscape) of the placed documents.
  - In the scan settings, set "Feeding Speed" to [Slow].*1
  - Scan the documents using manual feeding.
  - Scan using Small/Thin Paper Mode (page 52) if you are scanning thin paper or paper whose length is 110 mm (4.33 in.) or less.

  *1 For details about configuring the scan settings, refer to the Image Capture Plus, TWAIN, or ISIS help.

- When scanning important documents, confirm that the number of scanned images matches the number of pages in the feed tray. Also, check the condition of the scanned documents.

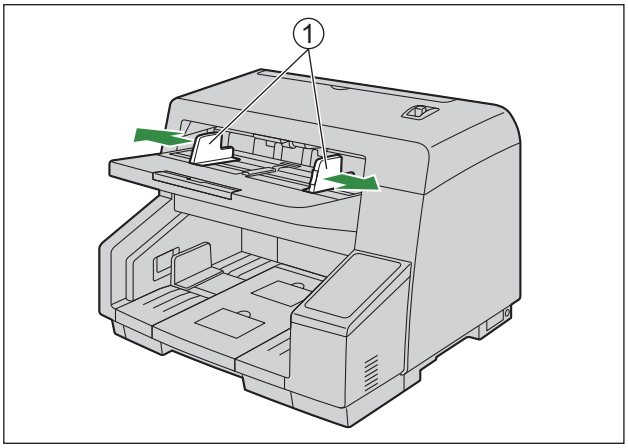
### 6.2.1.4 Notes about Double Feed Detection

This unit uses an ultrasonic sensor to detect double feeding (where two or more sheets of a document are fed at the same time).

- Double feeding cannot be detected with unsupported paper types.
- Double feed detection is not available when using manual feeding.

# 6.2.2 Loading Documents on the ADF

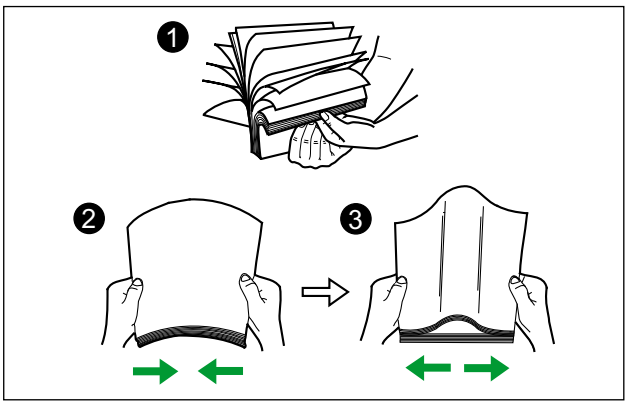
1. Adjust the document guides (①) slightly larger than the actual size of the documents.




2. Fan the documents.

   - Documents that have been stapled together or stacked together (as in a file folder) will need to be separated.

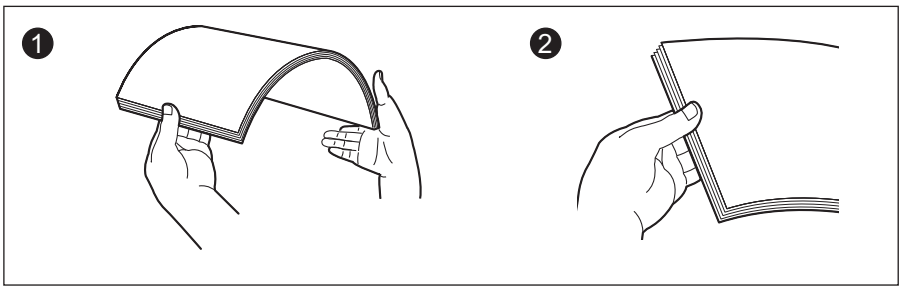
   ❶ Fan the stack of documents to separate all the edges.
   ❷ Hold both ends and bend the documents as shown in the illustration.
   ❸ To flatten the documents, hold firmly and pull them apart as shown in the illustration.




Repeat these steps as necessary.

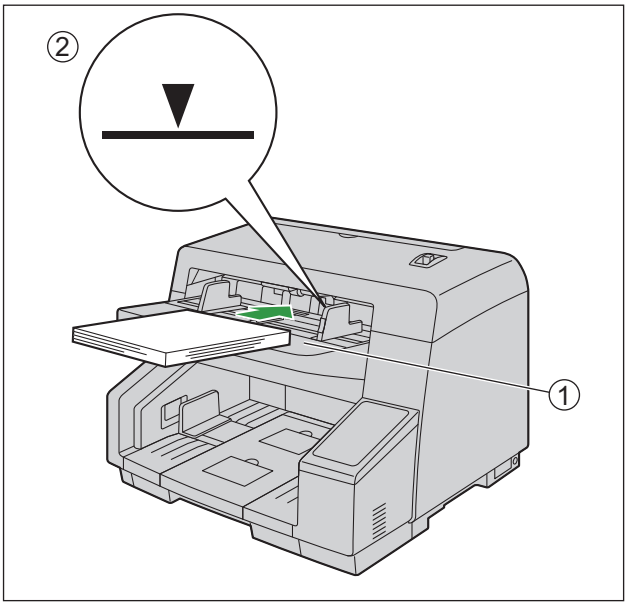
**3.** Carefully align the documents.

- The documents feed better when the leading edges are aligned slantwise as shown in the illustration.




**4.** Place the documents on the feed tray (①) with the side to be scanned facing up.

- Insert the documents slowly until they stop.

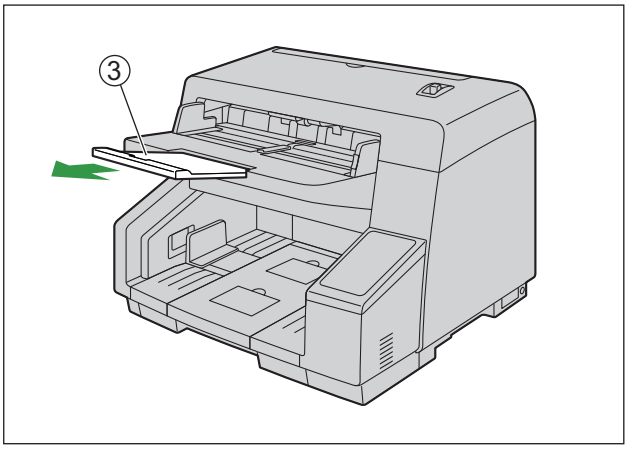



## Note

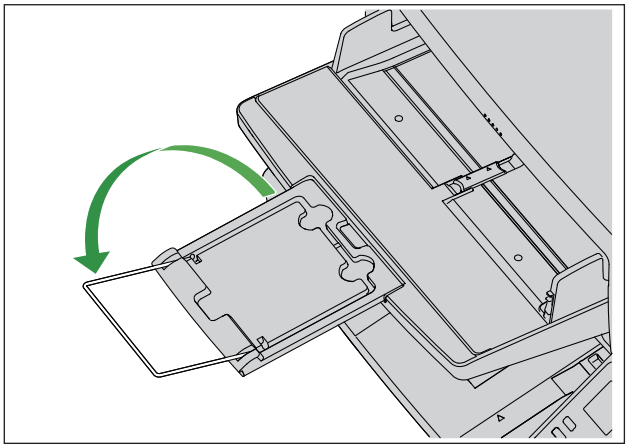
- The height of the documents should not exceed the limit mark (②) on the document guide. Exceeding the limit mark may cause a paper jam or skewing.

**When scanning long sheets of paper**

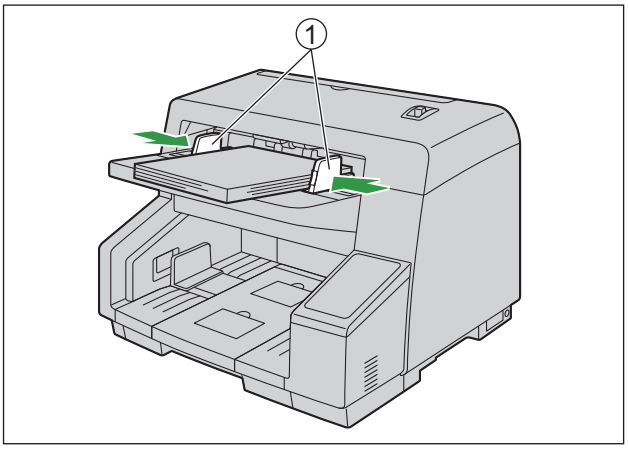
Pull out the feed extension tray (③) from the feed tray.



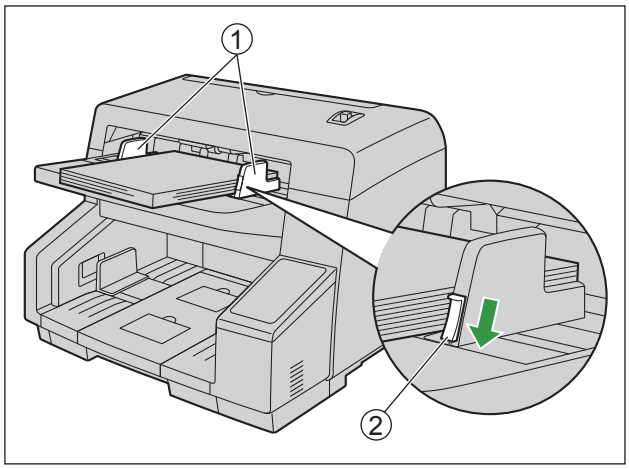

If necessary, open the extension bar.



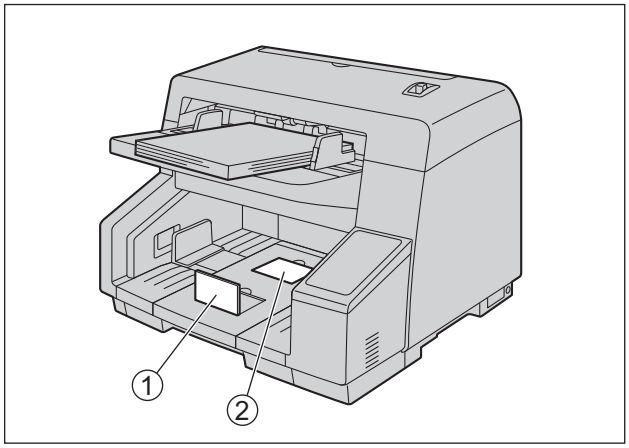
**5.** Adjust the document guides (①) to the size of the documents to be scanned.



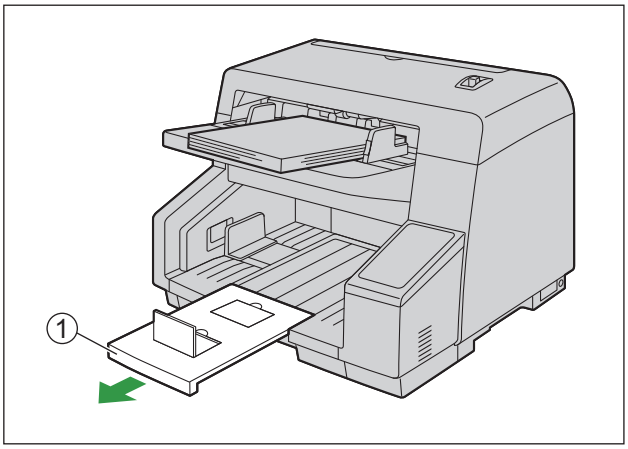

- When scanning documents with pages of different sizes at one time, refer to "6.3.4 When Scanning Documents with Pages of Different Sizes at One Time" (page 53).
- To secure the document guides (①), lower the document guide lock (②).



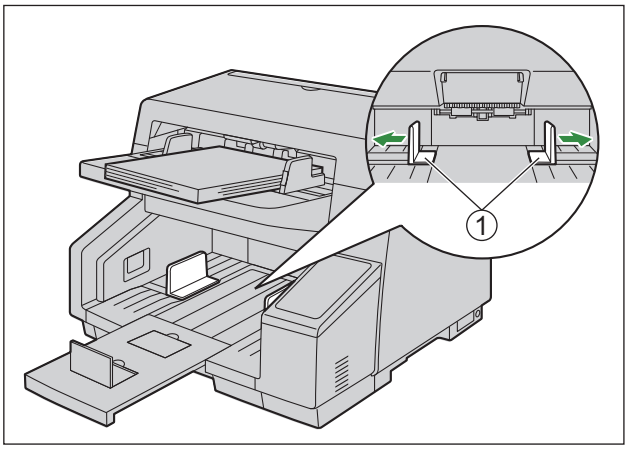

**6.** Raise either the front side (①) or back side (②) exit stopper according to the size of the documents.



**7.** Adjust the exit extension tray (①) to match the size of the documents.




**8.** Adjust the exit guides (①) to be slightly larger than the actual size of the documents.




## Note

- Adjust the exit guides to be larger than the actual size of the documents to avoid paper jams.

# 6.3 Scanning Documents

You can scan documents by using a scanning application (Image Capture Plus/TWAIN/ISIS) from a computer (pull scan) or by operating the scanner directly (push scan).
As for the push scan, refer to "6.4 Using Push Scan (KV-S5078Y)" (page 62) or "6.5 Using Push Scan (KV-S5058)" (page 73).

1. Load the documents (page 46).
2. Open your scanning application and scan the documents.
   - For details about the application, refer to the help of each application.
   - Remove documents after they have been scanned.

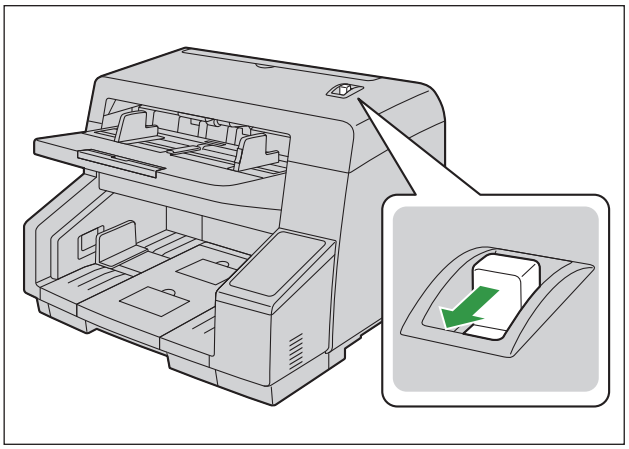
## 6.3.1 Switching the Background Color of Scanned Images

Using the software, you can switch the background color of scanned images between white and black.
For details, refer to the Image Capture Plus, TWAIN, or ISIS help.

## 6.3.2 Using Manual Feeding

You can select Manual feeding with the Manual Feed Selector.

- MANUAL : Manual feeding
- AUTO : Automatic feeding



When using manual feeding, the documents are scanned without separation. Place the documents on the feed tray one by one.
Manual feeding is recommended to scan important documents or bound documents.
Automatic feeding is recommended for normal use.

### Note

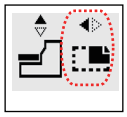
- Double feed detection is not available when using manual feeding.

# 6.3.3 Using Small/Thin Paper Mode

Use Small/Thin paper mode if thin paper or paper whose length is 110 mm (4.33 in.) or less is not scanned correctly.

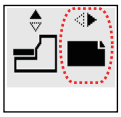
**KV-S5078Y**

1. Use ◄ or ► of the cursor button to select Small/Thin paper mode.



## Note

- Small/Thin paper mode can be canceled with the cursor buttons ◄, ►.



**KV-S5058**

1. Press the Feed mode button ( ).
   - [Small/Thin paper mode LED (Green)] lights up.

## Note

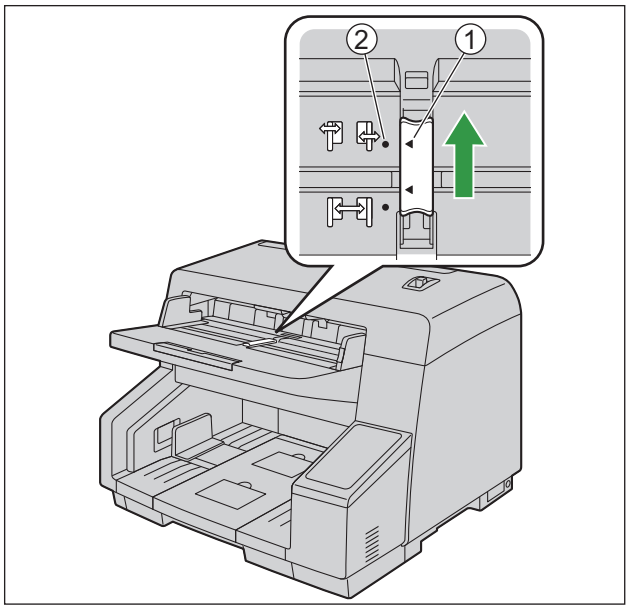
- Press the Feed mode button ( ) again to cancel Small/Thin paper mode.

# 6.3.4 When Scanning Documents with Pages of Different Sizes at One Time

When scanning documents with pages of different sizes at one time, please note the following:

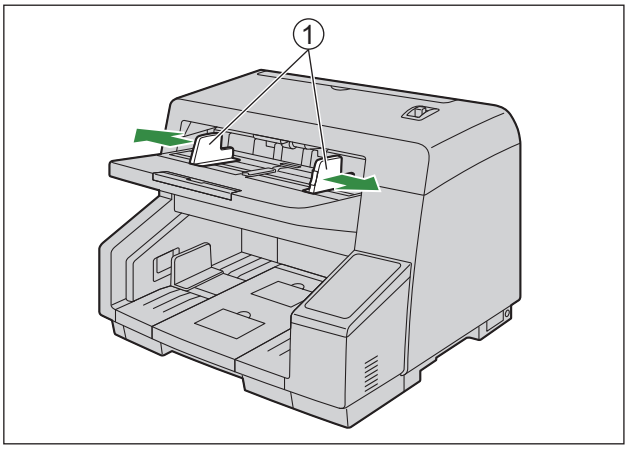
- Align the document pages along one side.
- Align the document position so that the center of the smallest sheet will be fed to the center of the paper feed roller, and adjust the document guides accordingly.
- Exiting sheets may become out of order on the exit tray. Documents may need to be reordered after they are scanned.
- It is recommended to enable "Deskew" and "Automatic Crop" because the document guides may not be functioning. Refer to the Image Capture Plus, TWAIN, or ISIS help.

**1.** Slide the document guides selector in the direction shown in the illustration until the ◄ (①) and ● (②) marks are aligned.

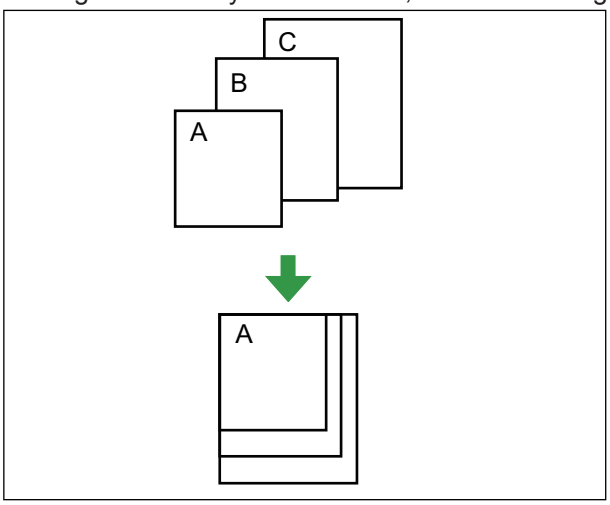



- The left and right document guides can be moved separately.

**2.** Completely spread apart the document guides (①).

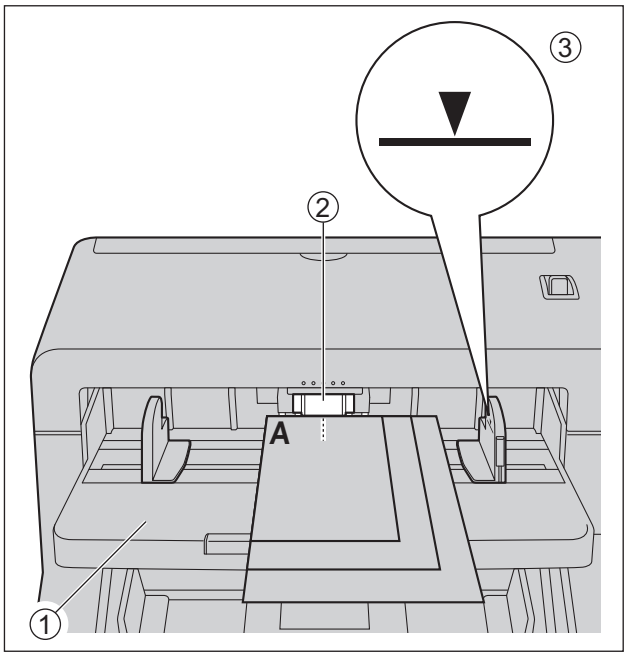



**3.** Align the documents sheet by sheet at one corner as shown below. Documents that stick together, are not aligned correctly at one corner, or are at an angle cannot be fed correctly.



**4.** Place the documents on the feed tray (①) with the scanning side facing up.

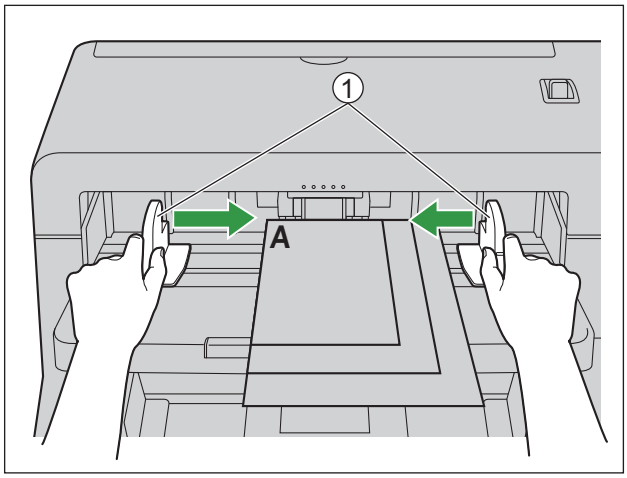
- Align the document position so that the center of the smallest sheet will be fed to the center of the paper feed roller (②). If the document is not properly aligned, the pages will not be fed correctly.



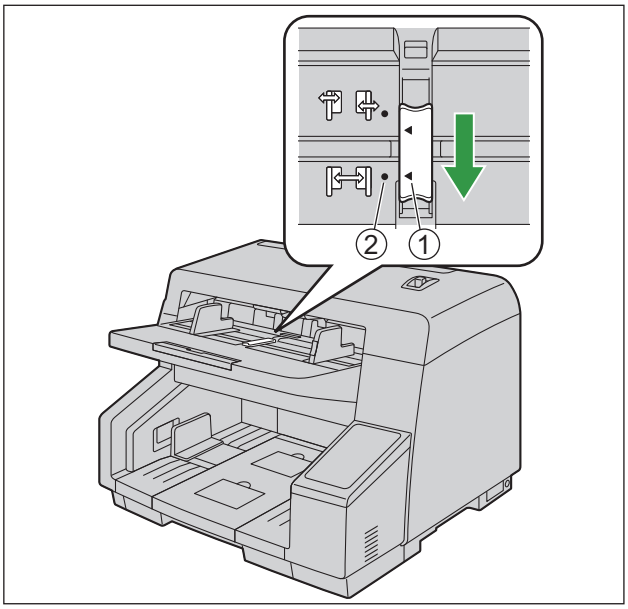

## Notice

- The height of the documents should not exceed the limit mark (③) on the document guide. Exceeding the limit mark may cause a paper jam or skewing.
- Depending on the types of paper, the document may not be fed smoothly. In such case, reduce the number of sheets of the document.

**5.** Adjust the left and right document guides (①) to the width of the documents.



**6.** Remove the document, and then slide the document guides selector in the direction shown in the illustration until the ◄ (①) and ● (②) marks are aligned.



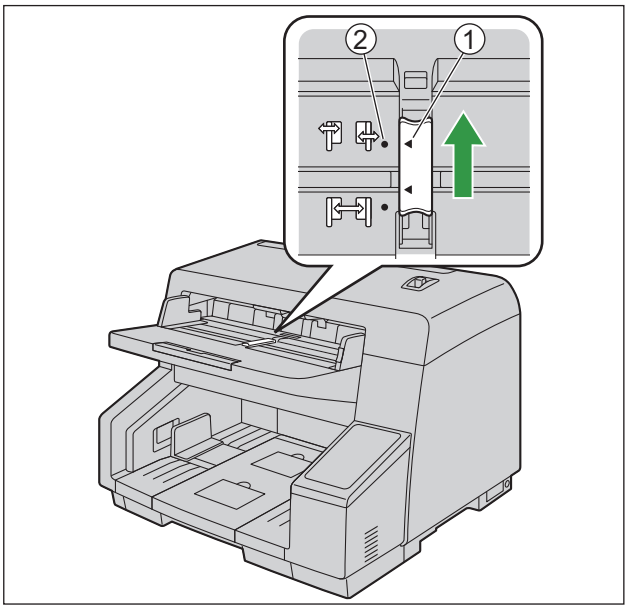

**7.** Place the document on the feed tray again and adjust the document guide according to the size of the document to be scanned.

## Notice

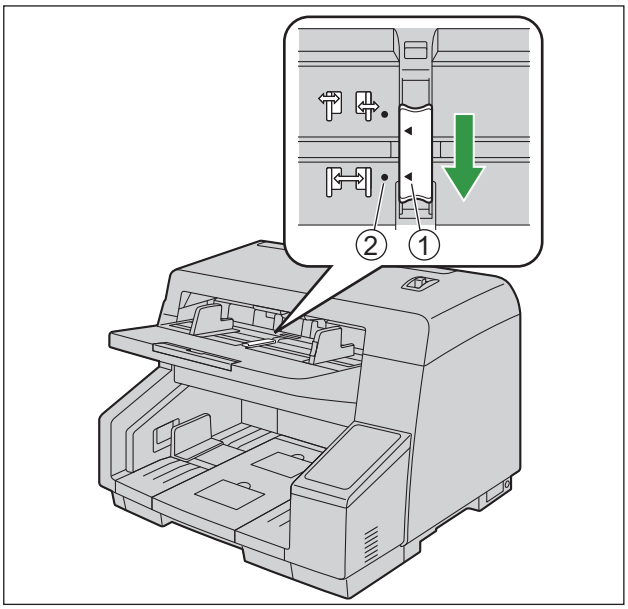
- Make sure to align the document pages along one side.
- Make sure that the center of the smallest sheet of the document will be fed to the center of the paper slot.
- To secure the document guides, lower the document guide lock.

## Adjusting the left and right document guides to their original position

1. Slide the document guides selector in the direction shown in the illustration until the ◄ (①) and ● (②) marks are aligned.




2. Completely spread apart the document guides.
3. Slide the document guides selector in the direction shown in the illustration until the ◄ (①) and ● (②) marks are aligned.



# 6.3.5 Exit Support Sheet

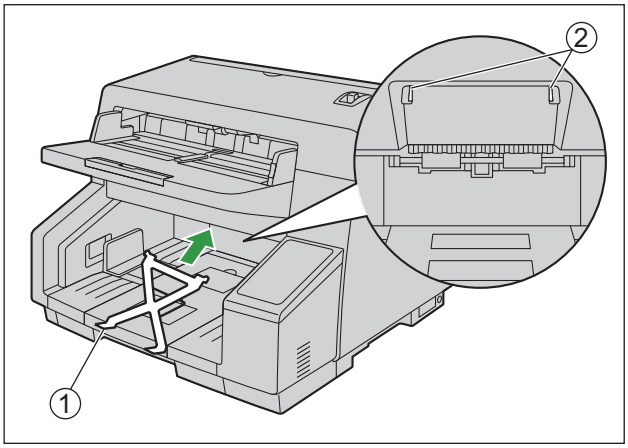
If exiting sheets become out of order on the exit tray, use the included "Exit Support Sheet".

## Note

- Use the Exit Support Sheet only when standard weight originals are being scanned.
- Use of the Exit Support Sheet when scanning thin or lightweight paper may cause wrinkling, folding or other damage to your documents when they exit the scanner.

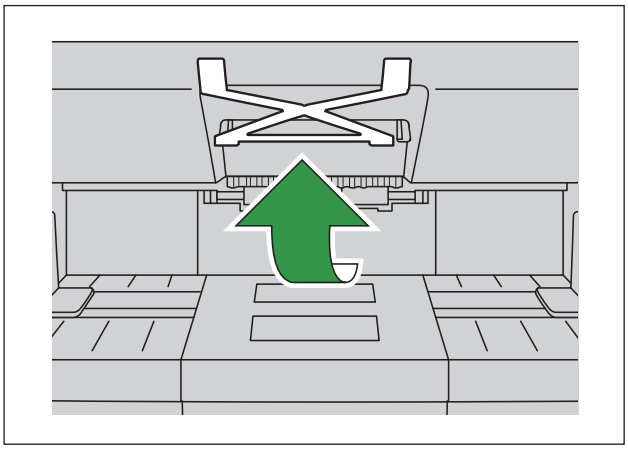
### Installing the exit support sheet

**1.** Attach the included exit support sheet (①) into the holes (②) above the exit slot.




## Note

- The Exit Support Sheet can be placed upward when not in use, as shown below (KV-S5078Y*1).



*1 Models other than KV-S5078Y may also support this function.

# 6.3.6 Using Count Only Mode (KV-S5078Y)

When using Count Only Mode, you can count the number of sheets in a document without scanning images of the document. For details about operation panel, refer to "5 Operation Panel" (page 28).
If Count Only Mode Shortcut is enabled, press the menu button ( ) for 1 second or more, and then follow the procedure from step 6.

1. Press the menu button ( ).
2. Use ▲ or ▼ of the cursor button to select "Maintenance".
3. Press the OK button to complete your selection.
4. Use ▲ or ▼ of the cursor button to select "Count Only Mode".
5. Press the OK button to complete your selection.
6. Set the document on the feed tray.
7. Press the Start/Stop button ( ).
   - The scanner begins feeding and counting the document sheets. The number of sheets will be displayed on the LCD.
8. Remove the document from the exit tray.
   - To count more documents, repeat steps 6 to 8.
9. Press the Back button ( ) to exit Count Only Mode.

### Notice

- If a paper jam or double feed error occurs, set the document on the feed tray again, and then repeat the procedure from step 6.

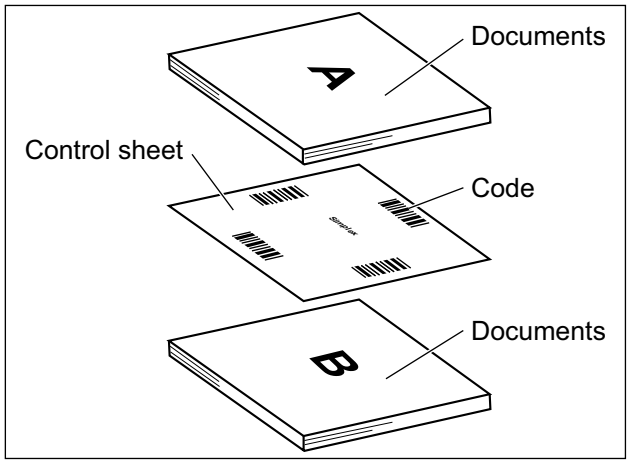
### Note

- The imprinter is disabled in Count Only Mode.

# 6.3.7 Using Control Sheets

Placing a control sheet in the middle of documents lets you change the scanning conditions for pages scanned after the control sheet. Also, you can change the folder used to save the scan data of documents scanned after the control sheet.

- Print out control sheets from the included CD-ROM.



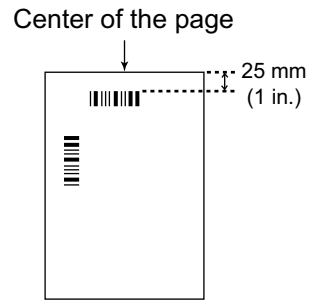

## Control sheet functions

Simplex, Duplex, Binary, 256 level gray, Color, Dynamic Threshold, Dither, Error diffusion, Function #1 - #9, Separation Sheet

- For details about control sheets, refer to "Detect Control Sheet" in the Image Capture Plus, TWAIN, or ISIS help.
- For details about separation sheets, refer to "Detect Separation Sheet" in the Image Capture Plus, TWAIN, or ISIS help.

# 6.3.7.1 About Printing Control Sheets

- Print the control sheet at the specified size; do not enlarge or reduce the size.
- When printing the control sheet, make sure that the pattern is 25 mm (1 in.) from the top of the page and centered horizontally.




<Example A4 printout>

- Use the control sheet that is the same size as the document you are scanning.
- Be careful not to get the control sheet dirty.
- Do not fold or crease the control sheet.
- For details about control sheets, refer to "Detect Control Sheet" in the Image Capture Plus, TWAIN, or ISIS help.

## Printing control sheets

### Note

- In order to print control sheets, Acrobat Reader must be installed on your computer.
- Refer to the instruction manual for your printer for details about changing print settings.

1. Insert the included CD-ROM into the CD/DVD drive on your computer.
   - The setup window will appear.

   ### Note

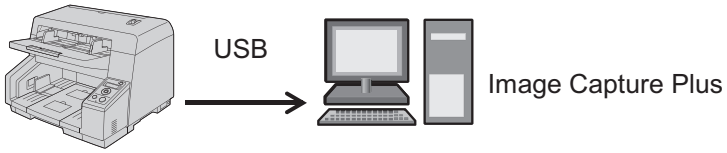
   - If the AutoPlay dialog box is displayed, select [CDRun.exe].
   - If the setup window does not appear, double-click [CDRun.exe] in the Software / Manual CD-ROM.
   - When the model selection screen is displayed, select the correct model to use.
2. Select [Control Sheet] from "Documents" on the right side of the screen.
3. Print the control sheets at the same size as your document.

# 6.4 Using Push Scan (KV-S5078Y)

## 6.4.1 Outline of Push Scan

This unit has three modes for Push scan.
For details about the available functions for image processing, refer to "12.1 Available Functions When Scanning (KV-S5078Y)" (page 117).

### USB mode

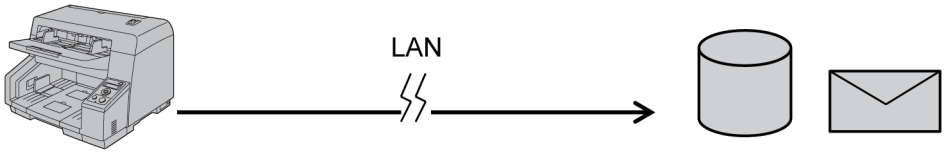



- This mode pushes the scanned data to a computer connected via USB.
- Both the scanner and Image Capture Plus process the image.
- Jobs and [Scan Button Settings] should be registered in Image Capture Plus in advance.
- When documents are placed on the feed tray (Touch Free Scanning), or when the OK button or the Start/Stop button is pressed (Single Touch Scanning), Image Capture Plus will start automatically.

### Network PC mode

- This mode pushes the scanned data to a computer connected via the LAN.
- Both the scanner and Image Capture Plus process the image.
- Jobs should be registered in Image Capture Plus in advance.
- When the Start/Stop button is pressed, Image Capture Plus will start automatically.

### Preset Scan mode




- This mode pushes the scanned data directly to an FTP server, a shared folder, or e-mail.
- Only the scanner processes the image.
- This mode is available when settings for Preset Scan have been configured in this unit using Configuration Web.

# 6.4.2 Output File

The output image file name is as follows.

| Prefix | Item delimiter | Type Code | Item delimiter | Sequence ID[*1] | Dot | Extension |
|---|---|---|---|---|---|---|
| 1 to 15 characters[*2] | 1 character | 1 character | 1 character | 5 characters | 1 character | 3 characters |
| Example Panasonic_ DOC01 | - | M | - | 00001 | . | jpg |

[*1] If a Factory Reset is performed on the unit, the Sequence ID applied to file names pushed to all destinations will also be reset. Therefore, you should assign a different folder path from the existing one to prevent existing data from unexpectedly being overwritten.

[*2] Up to 31 characters if [Location] is selected. Up to 78 characters if [Combination] is selected.

## Prefix

| Type of prefix | Number of characters | Contents |
|---|---|---|
| Host Name | 3 to 15 | Set the value of "Network Setting" in "IP Configuration" (page 84). |
| Date and Time | 14 | The format set in [Date & Time] (page 81).<br>• YYYYMMDDhhmmss<br>• MMDDYYYYhhmmss<br>• DDMMYYYYhhmmss |
| User-defined Field | 1 to 15 | Set the value on "File Name" of "Scan Settings" (page 82). |
| Location | 1 to 31 | Set the value of "Network Setting" in "IP Configuration" (page 84). |
| Combination | 1 to 78 | The following contents can be combined. Set the value of "File Name" in "Scan Settings" (page 82).<br>• Host Name<br>• Date and Time<br>• User-defined Field<br>• Location |

- Available characters for "User-defined Field"

| | |
|---|---|
| Lowercase letters | a to z |
| Uppercase letters | A to Z |
| Digits | 0 1 2 3 4 5 6 7 8 9 |
| Symbols | ! # $ % & ' ( ) + , - ; = @ [ ] ^ _ ` { } ~ |

## Item delimiter

| | |
|---|---|
| Underscore | _ |
| Hyphen | - |
| Off | |

## Type Code

| Output to | Email | FTP | Shared Folder | Cloud | SharePoint |
|---|---|---|---|---|---|
| Type Code | M | F | S | C | P |

## Sequence ID

The Sequence ID is a 5 digit ID managed for each output destination.
One is added upon each scan, and after "99999" it returns to "00001".
The sequence ID can be cleared by "12.9 Factory Reset (KV-S5078Y)" (page 129).

## Image File Limits

| Output to | File size, number of pages | Remarks |
|---|---|---|
| Email | Up to 5 MB in total or 999 pages. | E-mail size can be set up to 20 MB. For details, refer to "SMTP" (page 86). |
| Shared Folder<br>FTP | Up to 512 MB in total or 999 pages. | - |

# 6.4.3 USB Mode

Push scan in USB mode is performed by the following procedure.

## Register a Job Setting List in Image Capture Plus

1. Start Image Capture Plus.
   - Select [Image Capture Plus Standard] as the application mode.
2. On the [Scan Setting] menu, enable [Job Scan Mode].

   ### Note

   - You cannot enable [Job Scan Mode] if any documents are left in [Document List].
3. On the [Scan Setting] menu, click [Job Setting List].
4. Click [Add] button, and specify the settings.
   - The "Job Setting" dialog box will appear.
5. Click [Save Setting] to save the settings.

## Register jobs for USB mode push scan in Image Capture Plus

1. Start Image Capture Plus.
   - Select [Image Capture Plus Standard] as the application mode.
2. On the [Option] menu, click [Application Settings].
   - The "Application Settings" dialog box will appear.
3. Select the [Scan Button Settings] tab, and specify the settings.
   - You can register 10 settings for each group.
   - Select the [Job Scan] for "Operation", and then select a job from Job Setting List.
4. Click [OK] to save the settings.

## Select [Touch Free Scanning] or [Single Touch Scanning]

- This setting is available for all push scanning in USB mode.

1. Double click the ( ) icon in the notification area of the task bar to open Scan Button Setting Tool.
   - Scan Button Setting Tool will launch.
   - In Windows 8, open Scan Button Setting Tool on the desktop screen.
2. Select [Touch Free Scanning] or [Single Touch Scanning].

## Select the job mode for push scan

- Operate the scanner as follows.

1. Press the menu button ( ☰ ).
2. Use ▲ or ▼ of the cursor button to select "Function Setting".
3. Press the OK button to complete your selection.
4. Use ▲ or ▼ of the cursor button to select "Job mode".
5. Press the OK button to complete your selection.
6. Use ▲ or ▼ of the cursor button to select "USB".
7. Press the OK button to complete your selection.

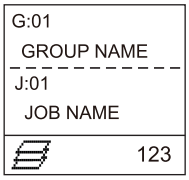
## Scan documents

- Operate the scanner as follows.

### Note

- If any documents are left in [Document List], Image Capture Plus cannot receive push scan data.

1. Press the Job button ( 123. ).




2. Use ◄ or ► of the cursor button to select a group, and use ▲ or ▼ to select a job.
   - The Group name and the Job Setting name registered in [Scan Button Settings] are displayed.
3. Place the documents on the feed tray.
   - When [Touch Free Scanning] is selected, scanning will start when documents are placed on the feed tray.
   - When [Single Touch Scanning] is selected, press the OK button or the Start/Stop button ( ◇/▽ ) to start scanning.

# 6.4.4 Network PC Mode

Push scan in Network PC mode is performed by the following procedure.

### Configure the network settings

1. You should configure the network settings using the LCD on the unit, Network Setting Tool, and Configuration Web.

### Add the scanner to the computer that will receive scanned data

1. Start Network Scanner Select Tool on the computer that will receive scanned data.
2. Add the scanner to the list.
3. Click [OK].
   - The scanner can select the computer as the destination.

### Register Jobs in Image Capture Plus on the computer that will receive scanned data

1. Start Image Capture Plus.
   - Select [Image Capture Plus Standard] as the application mode.
2. On the [Scan Setting] menu, enable [Job Scan Mode].
   - You cannot enable [Job Scan Mode] when any documents are left in [Document List].
3. On the [Scan Setting] menu, click [Job Setting List].
4. Click [Add] button.
   - The "Job Setting" dialog box will appear.
5. Specify the settings.

### Note

- When using Network PC Mode, Touch Free Scanning is not available.
- The top 10 jobs in the job settings list are available for Network PC Mode.

## Select the job mode for push scan

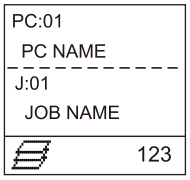
- Operate the scanner as follows.

1. Press the menu button ( ).
2. Use ▲ or ▼ of the cursor button to select "Function Setting".
3. Press the OK button to complete your selection.
4. Use ▲ or ▼ of the cursor button to select "Job mode".
5. Press the OK button to complete your selection.
6. Use ▲ or ▼ of the cursor button to select "Network PC".
7. Press the OK button to complete your selection.

## Scan documents

- If any documents are left in [Document List], Image Capture Plus cannot receive push scan data.
- Operate the scanner as follows.

1. Press the Job button ( 123. ).




2. Use ◄ or ► of the cursor button to select a computer.
   - By pressing the OK button, you can check the IP address of the currently selected computer. By pressing the OK button again, you can return to the original screen.
3. Use ▲ or ▼ of the cursor button to select a job.
   - You can select a job from the top 10 jobs in job settings list.
4. Place the documents on the feed tray.
5. Press the Start/Stop button ( / ) to start scanning.

# 6.4.5 Preset Scan Mode

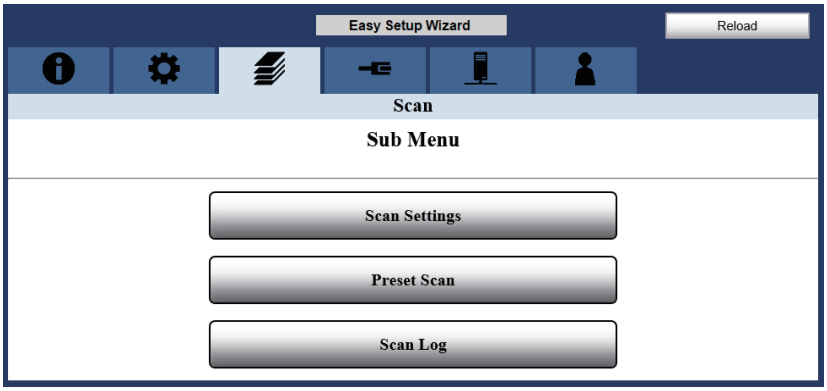
Push scan in preset scan mode is performed by the following procedure.

## Configure the network settings

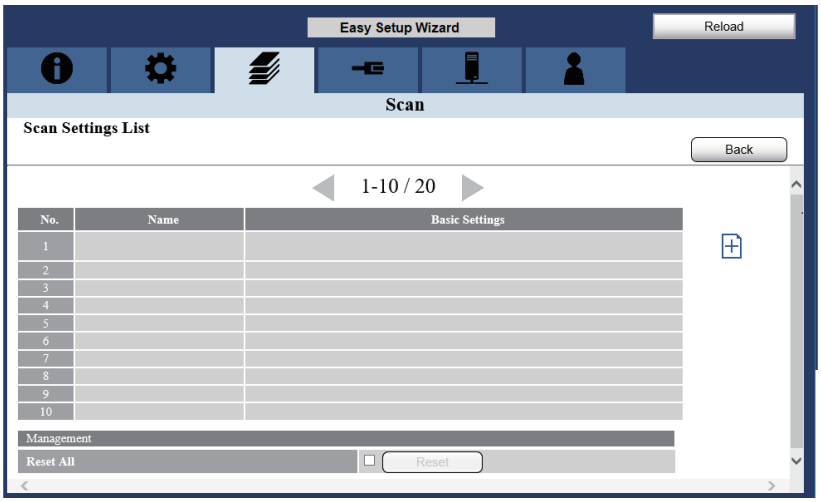
1. You should configure the network settings using the LCD on the unit, Network Setting Tool, or Configuration Web.
2. Set up a scan server as necessary.
   - Depending on the functions you want to use during scanning, you may need to set up a scan server. If you will use "Cloud" or "SharePoint" as output destinations, you must set up a scan server. For details, refer to "7.1 Functions that Require a Scan Server" (page 74).
   - For details about setting up a scan server, refer to "7.2 How to Set up the Scan Server" (page 75).

## Configure the scanning conditions using Configuration Web

1. Launch Configuration Web.
   - For details, refer to "8.1 Launch Configuration Web" (page 76).
2. Open the Server tab and configure the settings that you will use.
   For details, refer to "8.7 Server Tab" (page 86).
   - If you use e-mail, you should configure SMTP Settings.
   - If you use shared folders, you should configure Shared Folder List.
   - If you use FTP, you should configure FTP Server List.
3. Open the Scan tab.



4. Open the [Scan Settings] sub menu.




- You can register up to 20 settings.

5. Click to register a setting.

6. Set the Scan Settings as needed.
For details, refer to "8.5 Scan Tab" (page 82).

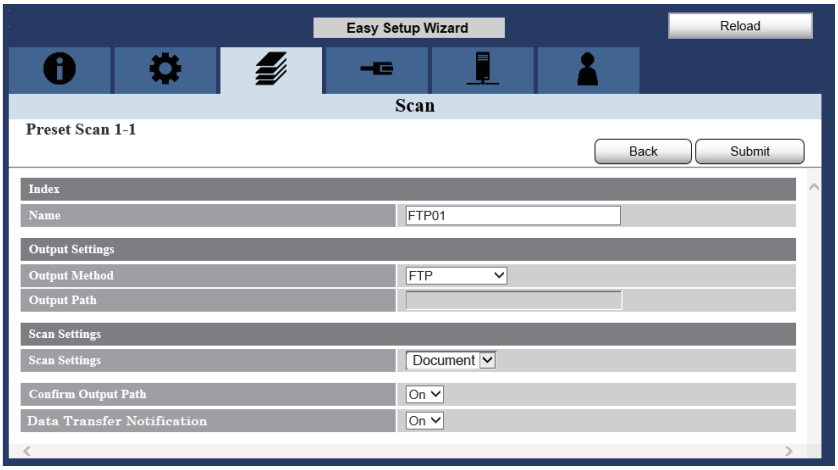
7. Click [Submit] to apply the settings, and then click [Back].

**8.** Open the [Preset Scan] sub menu.

- You can register up to 30 settings in total. (3 groups, 10 settings for each group.)

**9.** Click to register a setting.

**10.** Register the scan settings as needed.




### Output Settings

- Select [Email], [Shared Folder], [FTP], [Cloud] or [SharePoint] as the output method.
- If Shared Folder or FTP is selected as the output destination, a folder path from the list registered in the Server tab should be selected.
- If "Cloud" or "SharePoint" is selected as the output destination, a folder path configured within the Image Capture Plus should be selected.

### Scan Settings

- Select the setting from Scan Settings List.
- You can register the setting on this screen, too.

### Note

- If you need to change the advanced settings, click [V] in [Advanced Settings].
- When [Data Transfer Notification] is set to [Display], a message indicating the scanning process is complete can be displayed on the LCD.
- When [Data Transfer Notification] is set to [Email], the transfer result is sent to "From Address" in the "SMTP" settings (page 86) by email.

**11.** Click [Submit] to apply the settings, and then click [Back].

- Make sure the list has been added.

## Select the job mode for push scan

- Operate the scanner as follows.

**1.** Press the menu button ( ☰ ).

**2.** Use ▲ or ▼ of the cursor button to select "Function Setting".

**3.** Press the OK button to complete your selection.

**4.** Use ▲ or ▼ of the cursor button to select "Job mode".

**5.** Press the OK button to complete your selection.

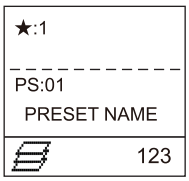
**6.** Use ▲ or ▼ of the cursor button to select "Preset Scan".

**7.** Press the OK button to complete your selection.

## Scan the documents

- Operate the scanner as follows.

**1.** Press the Job button ( 123. ).




**2.** Use ◄ or ► of the cursor button to select a Preset Group.

**3.** Use ▲ or ▼ of the cursor button to select a Job.

**4.** Place the documents on the feed tray.

**5.** Press the Start/Stop button ( ◇/▽ ) to start scanning.

- If [Confirm Output Path] of Preset Scan setting is enabled, the output path will be displayed on the LCD. Confirm the output path, and then press the Start/Stop button ( ◇/▽ ) again.
- If [Confirm Output Path] of Preset Scan setting is disabled, scanning will start.

# 6.5 Using Push Scan (KV-S5058)

## 6.5.1 Starting Up Scanner Applications Automatically

You can configure settings so that an application starts up automatically when a document is placed on the unit's feed tray ("Touch Free Scanning") or by "Single Touch Scanning".

### Select the application to start up

Use the Scan Button Setting Tool to set whether an application automatically starts up and under which conditions it starts up.

1. Double click the ( ) icon in the notification area of the task bar to open the Scan Button Setting Tool.
   - In Windows 8, open the Scan Button Setting Tool on the Desktop screen.
2. Select [Touch Free Scanning] or [Single Touch Scanning] as the condition for automatically starting up the application.
3. Select the application to start up.

### Note

- The selected application is enabled for both "Touch Free Scanning" and "Single Touch Scanning".
- For details about the Scan Button Setting Tool, refer to the Scan Button Setting Tool help.

### Setting the scanning conditions

Scanning conditions are specified on the application's setting screen. For details about an application's setting screen, refer to the manual or help for that application.

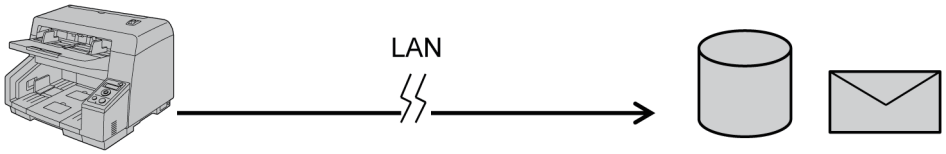
### Note

- Press the Start/Stop button for more than 2 seconds to open the application setting screen.
- If the unit is in sleep mode, press the Start/Stop button to return to ready mode first.
- If the application does not start, refer to "12.3 Check the Event Settings for Touch Free Scanning and Single Touch Scanning" (page 122).

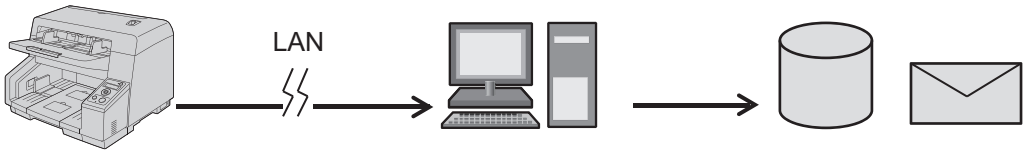
# 7 Scan Server (KV-S5078Y)

## 7.1 Functions that Require a Scan Server

When scanning over the network, it is necessary to install a scan server in order to use some functions. If a scan server is not configured, the scanned data is sent directly to the output destination.




If a scan server is configured, the scanned data is sent to the destination via the scan server if necessary. The scan server will run automatically in the background. Therefore, you do not need to select a scan server when scanning.




To set up a scan server, you need the option CD-ROM [KV-SS094]. If you use the enclosed Software / Manual CD-ROM without using the option CD-ROM [KV-SS094], some functionality will be restricted.
For details, refer to "12.1 Available Functions When Scanning (KV-S5078Y)" (page 117).

### Note

- The PC used as a scan server must always be running and have a user logged in. Please do not use the sleep or energy-saving functions.
- Set up a dedicated computer to operate as the scan server.
- You must set up a scan server to set "Output to" to "Cloud" or "SharePoint".
- When using "Email" / "FTP" / "Shared Folder" as the output destination, some functions become available when you install Scan Server. For details, refer to "12.1 Available Functions When Scanning (KV-S5078Y)" (page 117).
- A scan server is not necessary in the following cases.
  - The output destination is a LAN-connected computer.
  - Pull scan
- To make advanced settings for cloud output or SharePoint output, run Image Capture Plus and perform the following steps on the screen that is displayed.
  **In case of Cloud output** (up to 50 settings)
  - [Option] ⟶ [Scan To PC Settings / Scan Server Settings…] ⟶ [Scan Server Setting - Cloud…].

  **In case of SharePoint output** (up to 50 settings)
  - [Option] ⟶ [Scan To PC Settings / Scan Server Settings…] ⟶ [Scan Server Setting - SharePoint…].

# 7.2 How to Set up the Scan Server

## Using the option CD-ROM [KV-SS094]

1. Insert the option CD-ROM [KV-SS094] into the CD/DVD drive of the computer you want to set up as the scan server.
   - The setup window will appear.
   - If the AutoPlay dialog box is displayed, select [CDRun.exe].
   - If the setup window does not appear, double-click [CDRun.exe] in the option CD-ROM [KV-SS094].
2. Follow the instructions on the screen and complete the installation.
   - To install the option CD-ROM [KV-SS094], you need to enter the serial number.
   - The serial number is included on the packaging of option CD-ROM [KV-SS094].
3. Start Scan Server Setting Tool as follows.
   - Select [All Programs] ⟶ [Panasonic] ⟶ [Scanner Tools] ⟶ [Scan Server Setting Tool].

   ### Note

   In Windows 8 and Windows 10, select the [Panasonic Document Scanner] section on the Apps screen.
4. Set the computer as the scan server.
   - "License: Installed" is displayed.
5. Set up the computer as the scan server for each scanner.
   - For details, refer to the help of the Scan Server Setting Tool.

## Using the Software / Manual CD-ROM

There are some restrictions on the available functions (page 117).

1. Insert the Software / Manual CD-ROM into the CD/DVD drive on your computer.
   - If the AutoPlay dialog box is displayed, select [CDRun.exe].
   - If the setup window does not appear, double-click [CDRun.exe] in the Software / Manual CD-ROM.
   - When the model selection screen is displayed, select the correct model to use.
2. Select [Complete].
3. Follow the instructions on the screen and complete the installation.
4. Start Scan Server Setting Tool as follows.
   - Select [All Programs] ⟶ [Panasonic] ⟶ [Scanner Tools] ⟶ [Scan Server Setting Tool].

   ### Note

   In Windows 8 and Windows 10, select the [Panasonic Document Scanner] section on the Apps screen.
5. Set the computer as the scan server.
   - "License: Not installed" is displayed.
6. Set up the computer as the scan server for each scanner.
   - For details, refer to the help of the Scan Server Setting Tool.

# 8 Using Configuration Web (KV-S5078Y)

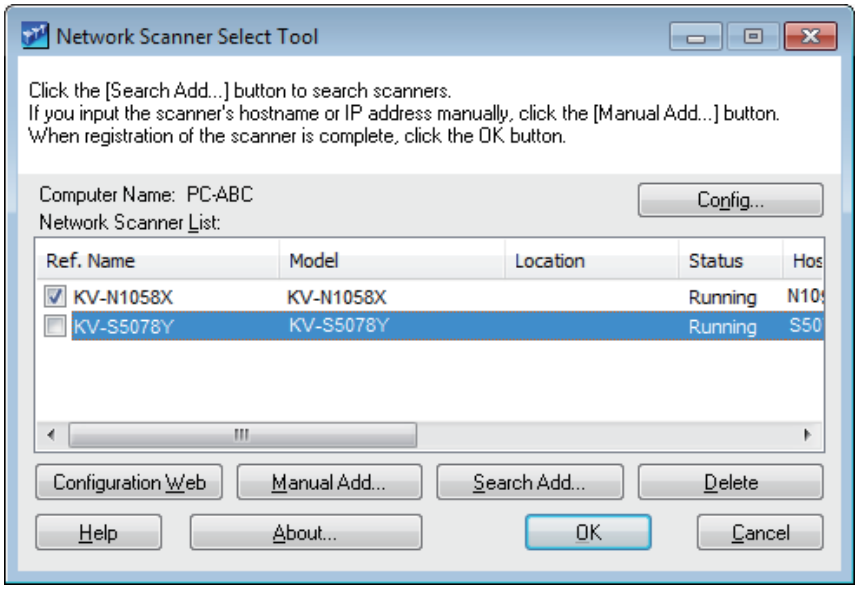
Network settings for this unit can be configured using the web browser that was launched from Network Scanner Select Tool.

### Note

- Some settings can also be configured using the LCD on the unit (page 35).
- If you are using Internet Explorer 11 and "Display intranet sites in Compatibility View" is selected, Configuration Web may not be displayed correctly.

## 8.1 Launch Configuration Web

1. Start Network Scanner Select Tool.
2. Select the desired scanner.




### Note

- Select the check box of the scanner you use for pull scan.

3. Click [Configuration Web].
   - The web browser will launch.

### Notice

- To use Configuration Web, except for the Information tab, "User Name" and "Password" are necessary. Set "User Name" and "Password" when the password setting screen appears. For details about the password, refer to "Password Settings" (page 89).

# 8.2 Basic Browser Operations

- To operate the browser, refer to the following.

| | Operation | Remarks |
|---|---|---|
| [Easy Setup Wizard] | Displays the "Easy Setup Wizard" (page 88) screen which automatically displays the required screens for setup. | - |
| [Reload] | Update the display. | - |
| [Submit] | Apply the settings. | You must click [Submit] to change the settings. |
| [Back] | Return to the original screen from a sub menu. | - |
| [Test] | Test whether connection to the server is possible with the current settings of "SMTP" (page 86), "Shared Folder" (page 86), "FTP" (page 87) or "7 Scan Server (KV-S5078Y)" (page 74) . | The test results are displayed. In "SMTP" connection test, e-mail has been sent to the input mail address. |
| | Open the editing screen for the list. | - |
| | Delete the list. | - |
| | Add a list. | - |
| | Display other lists. | - |

## Note

- To apply the settings, click [Submit] within 30 minutes after editing the settings. After 30 minutes, you must click [Reload] and edit the settings again.

# 8.2.1 Available Characters in Configuration Web

You can enter the following characters in Configuration Web.

| | |
|---|---|
| Lowercase alphabet | a to z |
| Uppercase alphabet | A to Z |
| Digits | 0 1 2 3 4 5 6 7 8 9 |
| Symbol | ! " # $ % & ' ( ) * + , - . / : ; < = > ? @ [ \ ] ^ _ ` { \| } ~ |

## Note

- Double-byte character can be used in shared folder paths.
- The following symbols cannot be used in folder paths.

| | |
|---|---|
| Shared Folder | * / < > ? \| |
| FTP | " * , ; < > ? \| |

- Refer to "Available characters for "User-defined Field"" (page 64) for the list of valid characters that can be entered in "User-defined Field" of the output file name.

## Available characters for "Host Name"

| | |
|---|---|
| Lowercase letters | a to z |
| Uppercase letters | A to Z |
| Digits | 0 1 2 3 4 5 6 7 8 9 |
| Symbols | - |

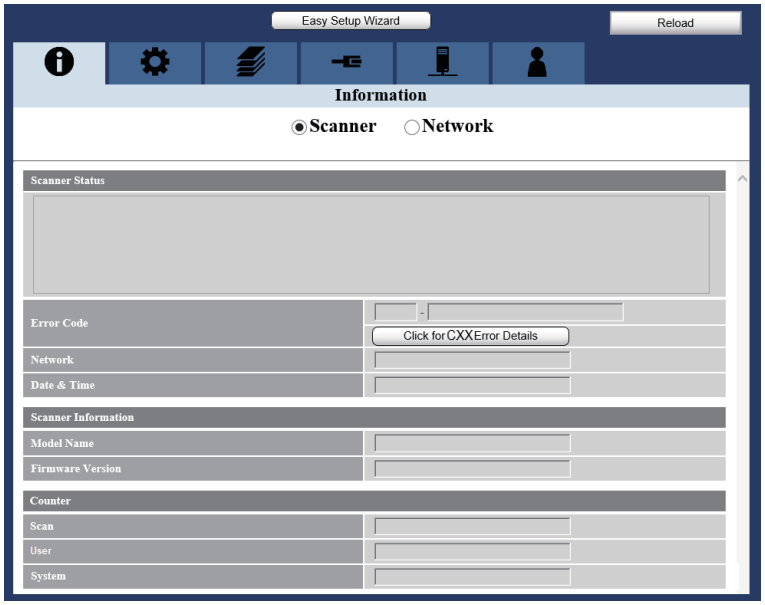
## Available characters for "Location"

| | |
|---|---|
| Lowercase letters | a to z |
| Uppercase letters | A to Z |
| Digits | 0 1 2 3 4 5 6 7 8 9 |
| Symbols | ! # $ % & ' ( ) + , - ; = @ [ ] ^ _ ` { } ~ |

# 8.3 Information Tab

Display basic status and information of the unit.

## Scanner




- Clicking [Click for CXX Error Details] will display the FAQ site.

## Network

# 8.4 Function Tab

Set the basic functions and maintenance functions of the unit.

## User Settings

| Item | Contents |
|---|---|
| USB ID | Display the scanner's USB serial number. |
| Language | Set the language used on the LCD and Configuration Web. |
| Sleep | Set the time length before the unit enters sleep mode.<br>(1 to 120 min.) |
| Power Off | Set the power auto-off function.<br>(15 min. to 72 hrs.) |
| Roller Cleaning Notification | Enable (On) or disable (Off) the settings. |
| Roller Replacement Notification | |
| Glass Cleaning Notification | |
| Select Counter | Selects whether the [Scan] counter, the [System] counter or the [User] counter is displayed on the LCD during scanning. |
| Date Format | Select a date format from MMDDYYYY, DDMMYYYY or YYYYMMDD. |
| Time Format*1 | Select a time format from 12H or 24H. |
| Prefix Removal<br>(Email Subject) | Enable (On) or disable (Off) the settings.<br>• Off: Email Subject is "<Host Name> : <Type Code> : <Sequence ID> <User defined subject>".<br>• On: Email Subject is "<User defined subject>".<br>In the case of an SMTP server test, error notification or scan notification, the prefix is not removed from the E-mail subject, in order to clarify who the sender is. |

*1 Only displayed when the display language is English.

## Counter

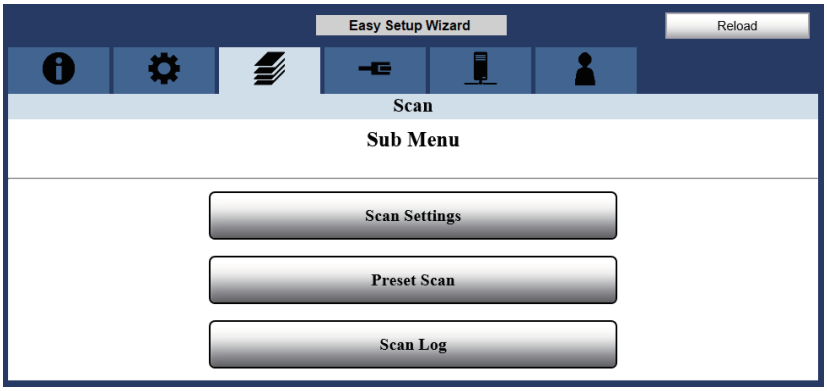
| Item | Contents |
|---|---|
| Scan | The number of sheets in a document scanned during the scanning process. This counter is cleared each time you start scanning. |
| User | The number of sheets in a document scanned until the counter is cleared by the user. |
| System | The number of sheets in a document scanned by the scanner since it was shipped from the factory. |
| After Clean Roller Counter | The number of sheets in a document scanned since clearing the counter after cleaning the rollers. Clear after cleaning the rollers. |
| After Replace Roller Counter | The number of sheets in a document scanned since clearing the counter after replacing the rollers. Clear after replacing the rollers. |
| Clean Roller Timing | You can change the number of sheets in a document scanned before the Roller Cleaning Notification occurs, if necessary. |
| Replace Roller Timing | You can change the number of sheets in a document scanned before the Roller Replacement Notification occurs, if necessary. |

## Date & Time

| Item | Contents |
|---|---|
| Date and time setting | If "Use the PC clock." is selected, the scanner will get the date and time from the computer when you click [Submit].<br>After you click [Submit], the check box is cleared automatically. |
| Date | Select a value from the list. |
| Time | Select a value from the list. |
| Time Zone | Set your time zone. |

# 8.5 Scan Tab

Register scanning conditions for Preset Scan (Push scanned data to FTP, Shared Folder, or Email).




## Scan Settings

| Item | Contents |
|---|---|
| Basic Setting | Name (up to 15 characters) / Paper Source / Paper Size / Image Type / Resolution |
| Advanced Settings | Dynamic Threshold / Automatic Brightness Adjustment / Brightness / Contrast / Deskew / Rotate / Blank Page Removal / Noise Reduction / Border Removal / Hole Removal / Smooth Background / Background Removal / Detect Double Feed / Barcode / Continue Scan / Long Paper / Detect Separation Sheet |
| File Type | PDF / TIFF / JPEG / PDF/A / PDF (Searchable) File / PDF/A (Searchable) File |
| PDF Password | Set PDF password function (On / Off). |
| Password | Set PDF password (0 to 8 characters). |
| JPEG Quality | Sets the JPEG quality (Low / Normal / High). |
| High-compression | Set high compression (On / Off). |
| File Setting | Select file setting (Single Page / Multi Page). |
| Language | Select language used for searchable PDF. |
| Page Number | Sets searchable page range (1 to 9999) of searchable PDF. |
| File Name | Sets the file name (Host Name / Date & Time / User-defined Field*1 (up to 15 characters) / Location (up to 31 characters) / Combination (up to 78 characters)). |
| Item delimiter | Underscore / Hyphen / Off |
| User-defined Field | A user-defined string to use as the file name*1 (up to 15 characters). |
| Management | Reset all the items in the list. |

*1 Refer to "Available characters for "User-defined Field"" (page 64) for the list of valid characters that can be entered in "User-defined Field" of the output file name.

## Preset Scan

| Item | Contents |
|---|---|
| Group name | Select group G01 to G03 and edit group name (up to 15 characters). |
| Management | Delete all lists in this group. |
| Index | Set the name of this preset (up to 15 characters). |
| Output Settings | Sets the Output Method.<br>Email: To (1) / To (2) / To (3) / To (4) / To (5) / Subject / Comment (up to 15 characters)[*1]<br>Shared Folder: Output Path<br>FTP: Output Path<br>Cloud: Destination<br>SharePoint: Destination |
| Scan Settings | Refer to "Scan Settings" (page 82). |
| Confirm Output Path | Sets the confirmation message (On / Off) when start scanning. |
| Data Transfer Notification | Sets the notification function (Off / Display / Email) which indicates that the push scan process is complete.<br>• Off: No notification<br>• Display: Display the transfer result on the LCD<br>• Email: Send the transfer result to "From Address" in the "SMTP" settings (page 86) by email |

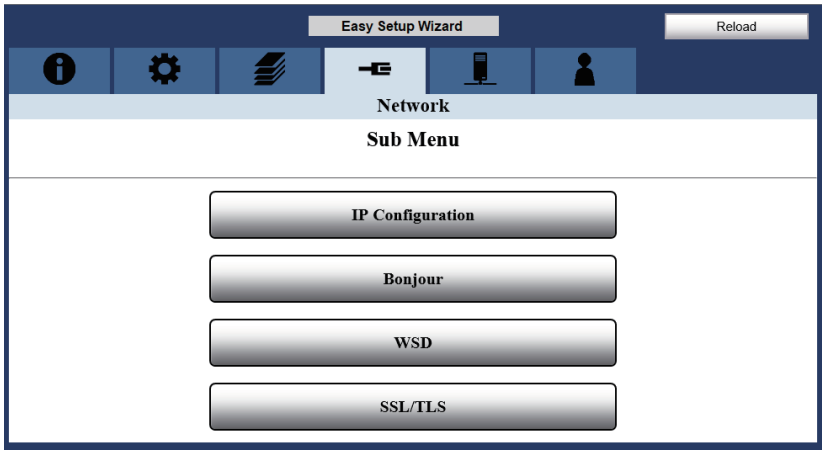
[*1] Email Subject is "<Host Name> : <Type Code> : <Sequence ID> <User defined subject>". When "Prefix Removal" is enabled, Email Subject is "<User defined subject>". In the case of an SMTP server test, error notification or scan notification, the prefix is not removed from the E-mail subject, in order to clarify who the sender is.

## Scan Log

You can confirm the log for this unit and result of E-mail notification (most recent notification only).

# 8.6 Network Tab

Register network settings.




## IP Configuration

| Item | Contents |
|---|---|
| Network Setting | MAC Address / Host Name*1 / Location*2 (up to 31 characters) |
| IP Address | DHCP / AutoIP / IP Address / Subnet Mask / Default Gateway |
| DNS Server | Primary / Secondary |
| WINS Server | Primary / Secondary |
| Firewall | IP Filtering / Filter (IPv4) |

*1 The default host name is "model name_part of MAC address". This name must be unique. Refer to "Available characters for "Host Name"" (page 78) for the list of valid characters that can be entered in "Host Name".

*2 You can input a location note. Refer to "Available characters for "Location"" (page 78) for the list of valid characters that can be entered in "Location".

## Bonjour

| Item | Contents |
|---|---|
| Service | Enable (On) or disable (Off) the service. |
| Service Name | Set the Bonjour service name (up to 63 characters). |

## WSD

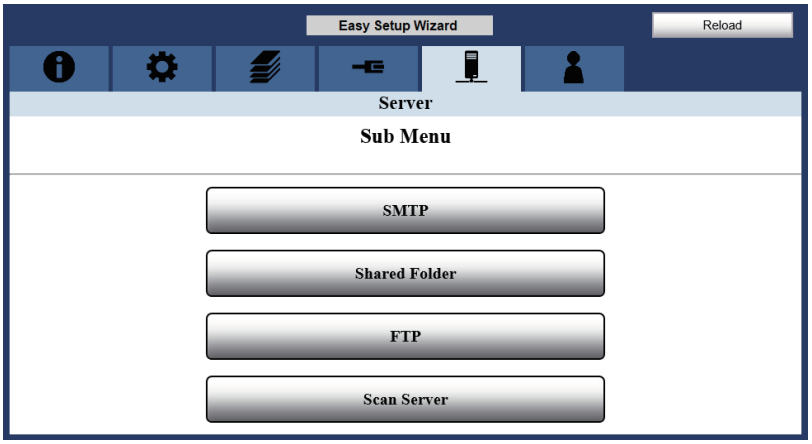
| Item | Contents |
|---|---|
| Service | Enable (On) or disable (Off) the service. |

## SSL/TLS

| Item | Contents |
|---|---|
| Settings | Setup / Security Level |
| Certificate | Installation State / Create CRT Key / Self-signed Certificate / Certificate Signed Request / Certificate Installation / Content of Certificate |

# 8.7 Server Tab

Register SMTP / Shared Folder / FTP / Scan Server settings.




## SMTP

| Item | Contents |
|---|---|
| Account | From Address (up to 63 characters) |
| SMTP Server | Address (up to 63 characters) / SSL/TLS / Port Number |
| Configuration | Email Size (1 to 20 MB) / Encoding Type / Authentication Type*1 / SMTP User Name (up to 63 characters) / SMTP Password (up to 31 characters) / POP Server Domain Name (up to 63 characters) / POP Port Number / POP User Name (up to 63 characters) / POP Password (up to 31 characters) |

*1 SMTP-AUTH / POP Before SMTP

## Note

- Email size limit - default: 5 MB, maximum: 20 MB.

## Shared Folder

| Item | Contents |
|---|---|
| Shared Folder List | Register Shared Folder (up to 20 folders). |
| Management | Delete all contents of the displayed lists. |
| Index | Name (up to 15 characters) |
| Account | Domain/Workgroup (up to 63 characters) / User (up to 20 characters) / Password (up to 31 characters) |
| Folder Path | Path (up to 255 characters) |

## FTP

| Item | Contents |
|---|---|
| FTP Server List | Register FTP Server (up to 10 servers). |
| Management | Delete all contents of the displayed lists. |
| Index | Name (up to 15 characters) |
| FTP Server | Server Address (up to 63 characters) / Protocol[*1] / Port Number / Passive Mode / Folder Path (up to 255 characters) |
| Authentication | Method / User (up to 31 characters) / Password (up to 31 characters) / Key[*2] |

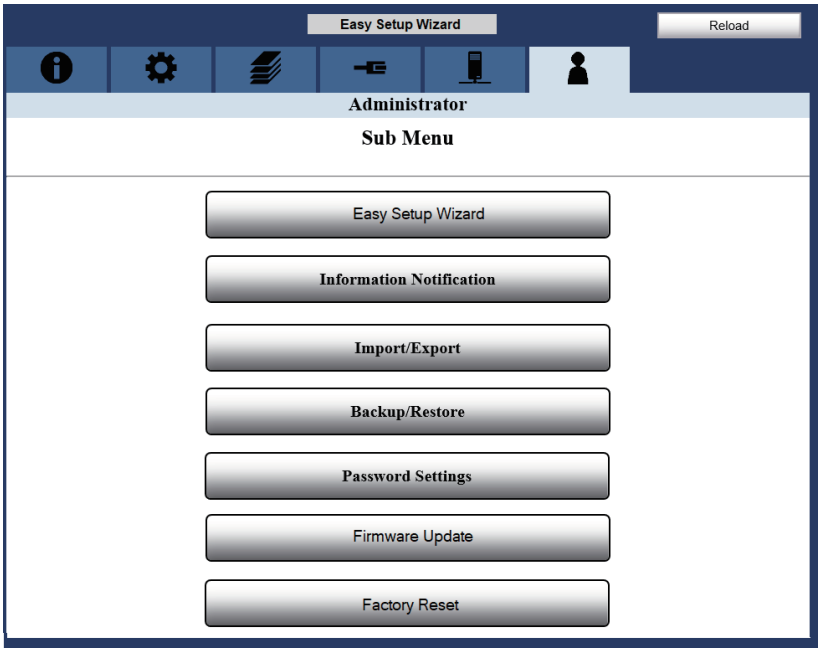
[*1] "FTP", "FTPS (Explicit)" and "SFTP" are supported. When sending data over FTP, there is a risk of leakage of account information, etc.

[*2] Refer to "12.4 SFTP Public Key Authentication (KV-S5078Y / LAN Connection)" (page 123).

## Scan Server

Set Computer Name as the Scan Server. For details about the Scan Server, refer to "7 Scan Server (KV-S5078Y)" (page 74).

# 8.8 Administrator Tab




## Easy Setup Wizard

| Item | Contents |
|---|---|
| Setup Scan to E-Mail | The screens required for setup will automatically be displayed. You can complete the necessary settings by following the screen. |
| Setup Scan to FTP | |
| Setup Scan to Shared Folder | |
| Setup Scan Settings | |

## Information Notification

| Item | Contents |
|---|---|
| SMTP Settings | Set the SMTP for notification e-mail. |
| Information Notification | Enable (On) or disable (Off) the feature. |
| No.1 / No.2 / No.3 | You can set three addresses to send the notifications to about Roller Replacement, Roller Cleaning and System Error. |
| Information | The last date and time of successful communication from the scanner is displayed. |

## Import/Export

| Item | Contents |
|---|---|
| Mode | Select mode (Import / Export). |
| Item | Select item (All Items / Function / Scan Settings / Preset Scan / Network / Server / Information Notification). |
| File Setting | File Name (up to 255 characters) / Password (0 to 16 characters) |

For details, refer to "12.6 Import/Export (KV-S5078Y / LAN Connection)" (page 126).

## Backup/Restore

| Item | Contents |
|---|---|
| Mode | Select mode (Backup / Restore). |
| File Setting | File Name (up to 255 characters) / Password (0 to 16 characters) |

For details, refer to "12.7 Backup/Restore (KV-S5078Y / LAN Connection)" (page 127).

## Password Settings

| Item | Contents |
|---|---|
| User Name | Set the user name (up to 15 characters). |
| Password | Set the password. |

## Notice

- Password should meet the following conditions.
  - Use 8 to 16 characters.
  - Use characters from at least 3 of the following categories:

| | |
|---|---|
| Lowercase alphabet | a to z |
| Uppercase alphabet | A to Z |
| Digits | 0 1 2 3 4 5 6 7 8 9 |
| Symbol | ! " # $ % & ' ( ) * + , - . / : ; < = > ? @ [ \ ] ^ _ ` { \| } |

- Do not use a password that can easily be guessed.
- The password should be unique. Do not use the same password for other purposes.
- Keep the password secret.
- Change the password periodically.

## Note

- If you forget the user name or password, you can reset the user name and the password using Factory Reset (page 129). After Factory Reset, configure the scanner again.

## Firmware Update

Update the firmware of the scanner displaying the Configuration Web.
For details, refer to "12.8 Firmware Update (KV-S5078Y / LAN Connection)" (page 128).

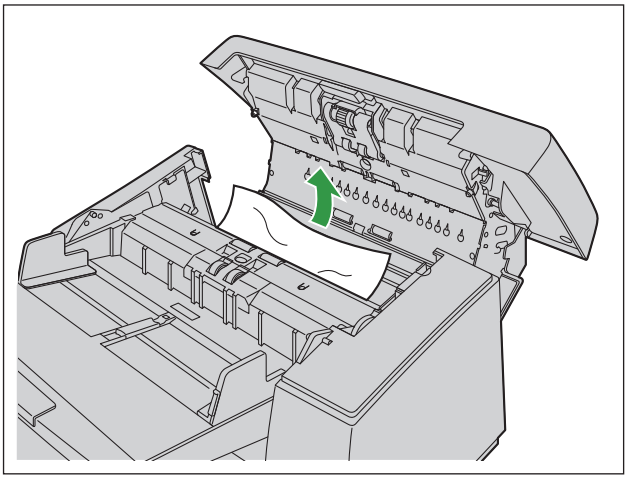
## Factory Reset

Reset the scanner displaying the Configuration Web to the factory setting.
For details, refer to "12.9 Factory Reset (KV-S5078Y)" (page 129).

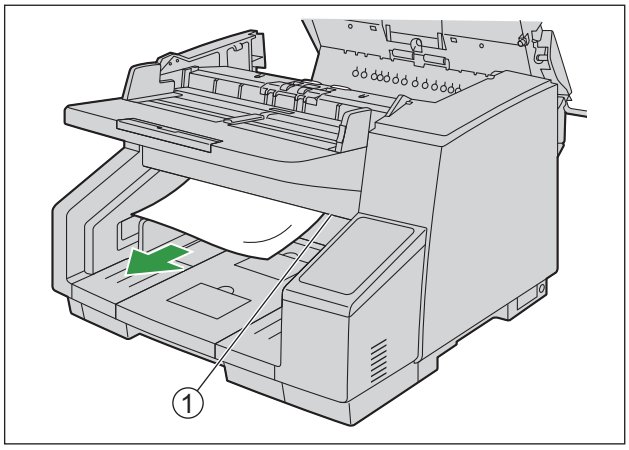
# 9 Clearing Paper Jams

Torn paper, thin paper or paper that is creased on the top edge may cause paper jams. If a paper jam occurs, remove the jammed sheet according to the following procedure.

1. Remove all documents from the feed tray.
2. Open the ADF door (page 39).
3. Remove the jammed document.
   **When a paper jam occurs inside the scanner**
   Remove the jammed sheet of paper from the inside of the ADF door.



**When a paper jam occurs at the exit slot**
Pull the jammed paper from the exit slot (①) towards the front.




4. Close the ADF door (page 39).

## Notice

- Close the ADF door after confirming that no documents remain inside the unit.

**KV-S5078Y**

- In push scan, a message is displayed on the LCD. Please follow the instructions. Processing can be selected from the following.
  – Delete the scanned image and stop scanning.

– Transfer the scanned image and stop scanning.
– Transfer the scanned image and continue scanning.

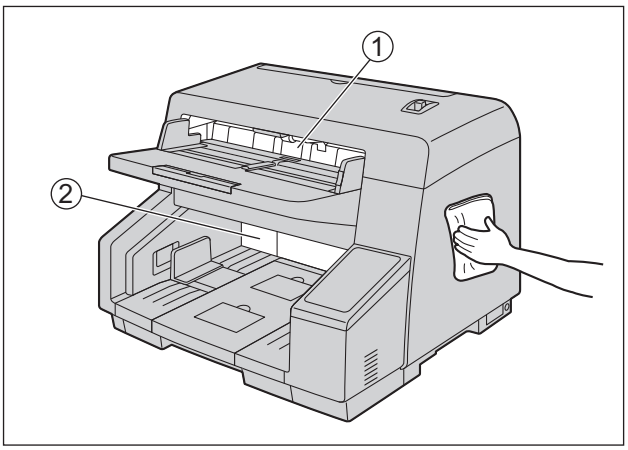
# 10 Care and Maintenance

## 10.1 Cleaning the Outside of the Scanner

### Notice

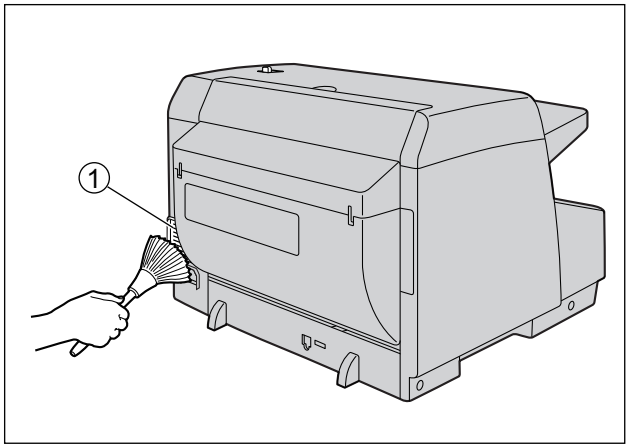
- Before moving the unit, be sure to unplug the power cord, USB cable and LAN cable.
- Do not use commercially available cleaners, detergent, thinner, or benzine. (Doing so may cause deformation, discoloration, or damage.)
- Clean the scanner at least once a month.

**1.** Clean the outside of the scanner with a soft, slightly damp cloth.




- The document feeder (①) and exit slot (②) get dirty easily. Make sure to clean them.

**2.** Remove dirt and dust from the fan exhaust vent (①) with a brush.



# 10.2 Cleaning the Inside of the Scanner

Prepare the following cleaning supplies.

| | |
|---|---|
| Soft and dry cloth (one that does not easily generate fibrous dust) | Used to clean the conveyors, scanning backgrounds and scanning glasses. |
| Thin cotton swab | Used to clean the double feed detectors and the starting sensors. |
| Roller cleaning paper (KV-SS03) | Recommended for use in cleaning the rollers. If you do not have the roller cleaning paper, use a soft cloth with a small amount of isopropyl alcohol or water. |

### Note

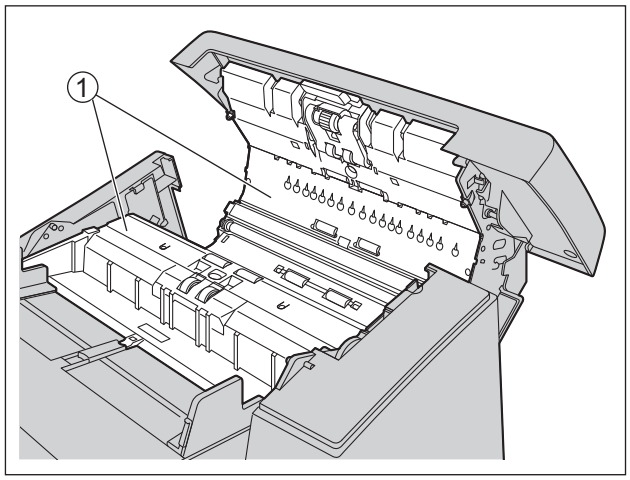
- Before cleaning the unit, turn off the unit, and disconnect the power cord, the USB cable and the LAN cable.
- Clean the inside of the scanner when approximately 60,000 sheets have been scanned. This includes the number of sheets fed using Count Only Mode. The time for cleaning may differ depending on documents you scan. To maintain proper scanning, clean the scanner parts frequently.
- Clean the rollers if paper jamming or double feeding occurs frequently.
- If double feed detection does not function properly, clean the double feed detectors.
- Clean the conveyors, scanning glasses and the white reference area on the scanning background rollers when vertical streaks appear on the scanned images.
- Be careful not to damage any parts of the unit.
- Do not use flammable aerosol cleaners.
- Do not use commercially available cleaners, detergent, thinner, or benzine. (Doing so may cause deformation, discoloration or damage.)

1. Open the ADF door (page 39).
2. Clean the conveyors, scanning glasses, sensors, scanning backgrounds, and rollers.
   - Clean the parts in the following order: conveyor and scanning glasses, double feed detectors and starting sensors, rollers.
   - For details about cleaning, refer to the following sections:
     – "10.2.1 Cleaning the Conveyors and Scanning Glasses" (page 95)
     – "10.2.2 Cleaning the Sensors" (page 96)
     – "10.2.3 Cleaning the Scanning Backgrounds" (page 97).
     – "10.2.4 Cleaning the Rollers" (page 98)
3. Close the ADF door (page 39).
4. Turn ON the unit's power (page 38).
5. Clear After Clean Roller Counter to zero (0).
   - For details, see "10.2.6 Clearing the Counter After Cleaning the Rollers" (page 103).

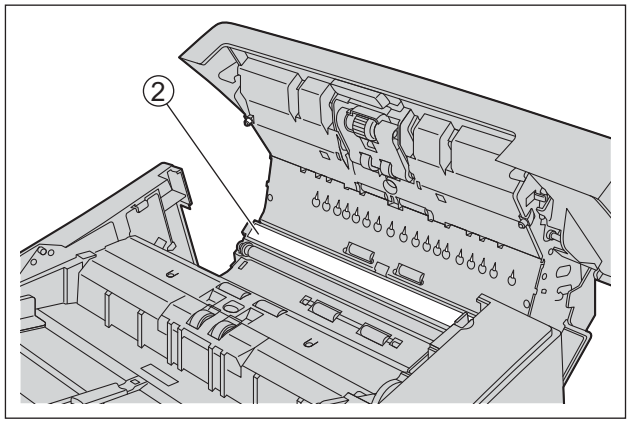
# 10.2.1 Cleaning the Conveyors and Scanning Glasses

**1.** With a soft and dry cloth, wipe off any dirt on the conveyor (①) and scanning glasses (②).

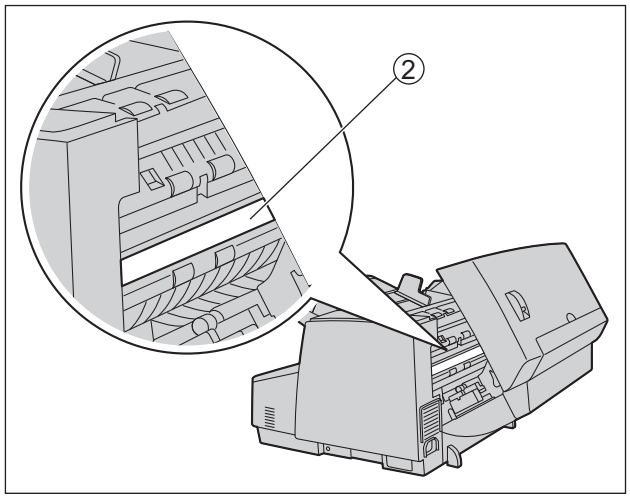
- If the dirt does not come off, use a soft, slightly damp cloth.




① Conveyor



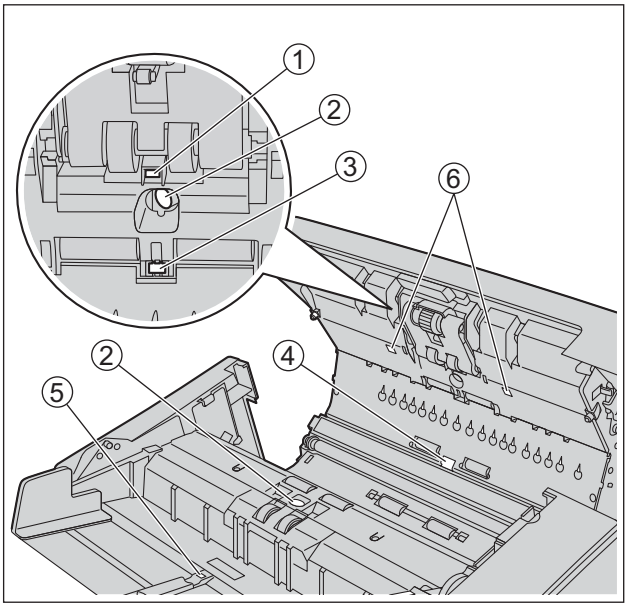

② Scanning glass (front)



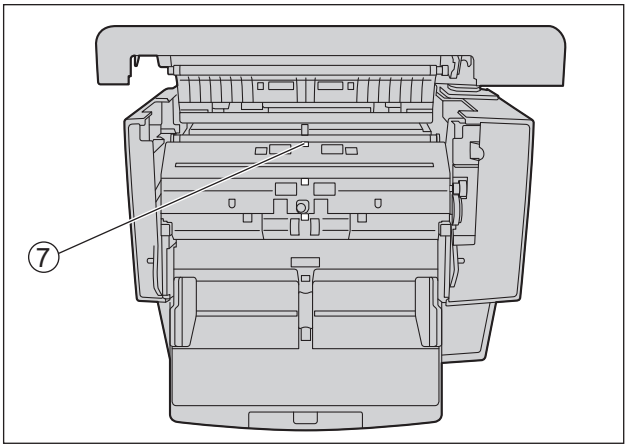

② Scanning glass (back)

# 10.2.2 Cleaning the Sensors

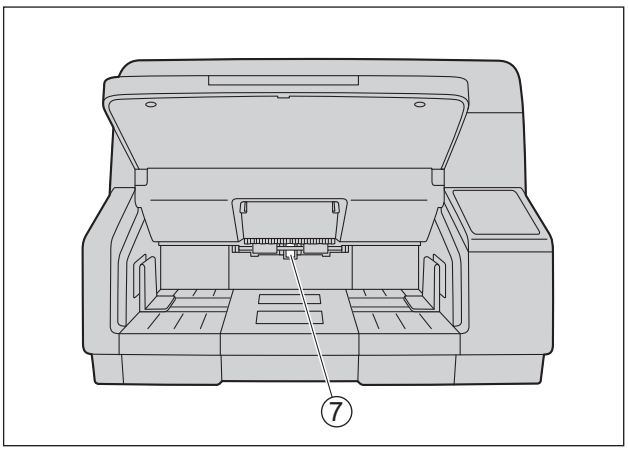
**1.** Remove dust from the sensors (①, ②, ③, ④, ⑤, ⑥) and reflectors (⑦) with a cotton swab.




① Waiting sensor
② Double feed detector
③ Slip detect sensor
④ Starting sensor
⑤ Paper sensor
⑥ Skew sensor



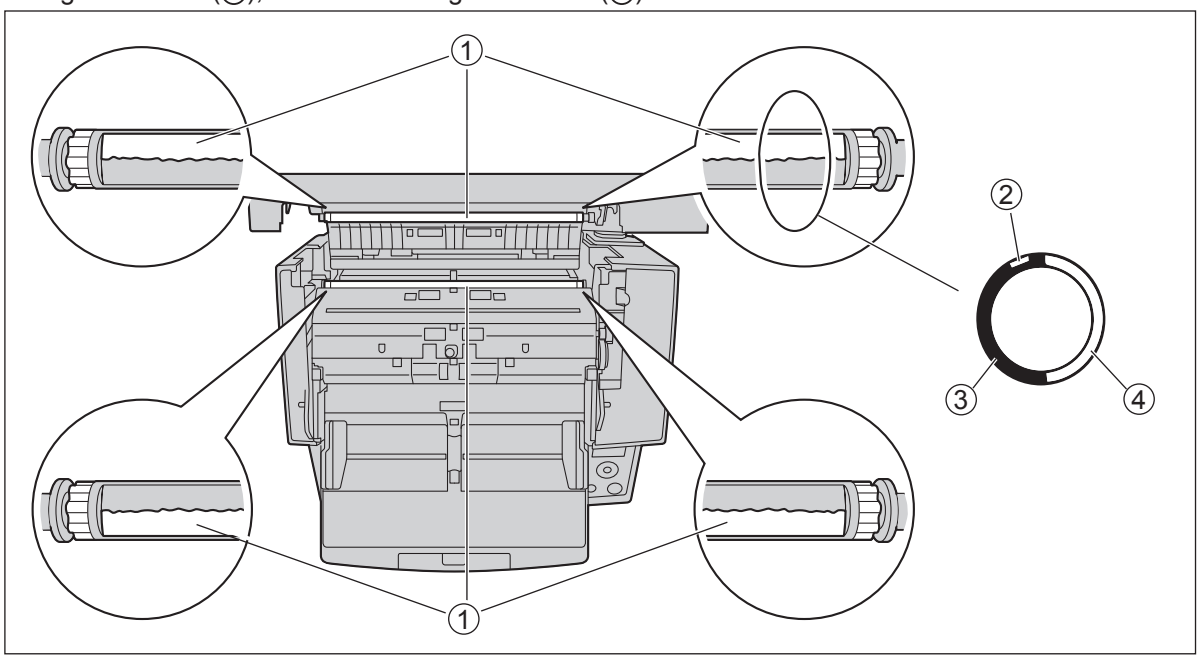

⑦ Reflectors




⑦ Reflectors

# 10.2.3 Cleaning the Scanning Backgrounds

1. Enter cleaning mode (page 100), and wipe off any dirt on the scanning backgrounds (①) with a soft and dry cloth.
   - In cleaning mode, the scanning background rollers (①) rotate a small amount each time the Start/Stop button ( ◇/▽ ) on the unit is pressed. Therefore, you do not need to rotate the rollers with your finger.
   - Wipe off dirt from all areas on the scanning background rollers: the white reference area (②), black background area (③), and white background area (④).




### Notice

- If dirt is difficult to remove, wipe off dirt with roller cleaning paper (page 13), and then wipe the scanning backgrounds dry with a soft cloth.

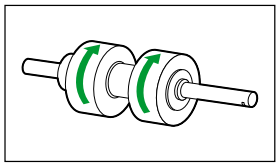
### Note

- Dirt on the white reference area (②) may affect the quality of scanned images. Dirt on the black background area (③) or the white background area (④) may affect the performance of the "Automatic Crop" function.

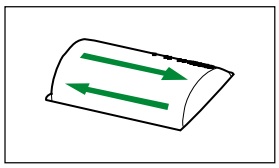
# 10.2.4 Cleaning the Rollers

1. Use the Roller Cleaning Paper (page 13) to wipe the dirt from the surfaces of all rollers.

**Direction to wipe rollers**



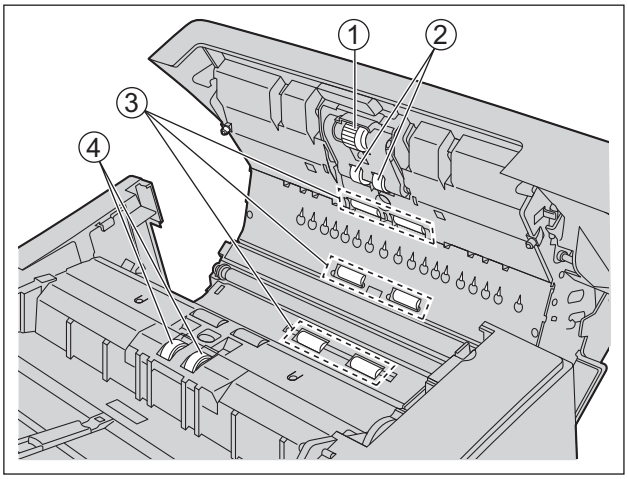
Double feed prevention roller



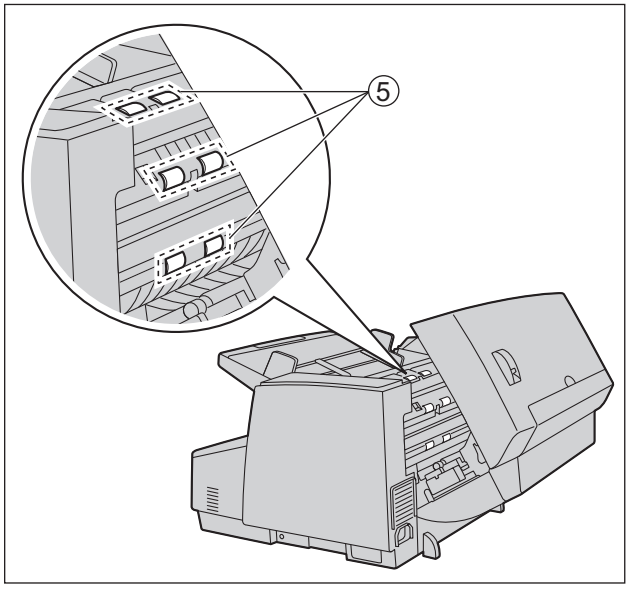
Other rollers

## Notice

- After removing the double feed prevention roller, gently wipe dirt from the surface of the roller in the direction indicated by the arrows in the illustration. If you wipe too hard, you may damage or misalign the roller.
  For instructions on how to remove the double feed prevention roller, refer to "10.3 Replacing the Rollers" (page 104).
- As for conveyor rollers, refer to "10.2.5 Cleaning Mode" (page 100).
- Wipe dirt off of the other rollers in the directions indicated by the arrows in the illustration. Use your finger to rotate the roller and wipe dirt off of the entire surface of the roller. If the roller rotates when wiping it, gently hold it in place with your finger.




① Paper feed roller
② Separation roller
③ Free rollers
④ Double feed prevention roller




⑤ Conveyor rollers

## Note

- If misfeeding or double feeding occurs after cleaning or replacing the rollers, the rollers may not be installed properly. Confirm the installation conditions again.

# 10.2.5 Cleaning Mode

Cleaning mode can be used to help clean the scanning background rollers and conveyor rollers. While in cleaning mode, the scanning background rollers and conveyor rollers rotate a small amount every time the Start/Stop button ( / ) on the scanner is pressed. In this way, you do not need to rotate the scanning background rollers and conveyor rollers with your fingers in order to clean the entire surface of each roller. Cleaning mode can be started from User Utility.
With KV-S5078Y, cleaning mode can be started from the operation panel too.

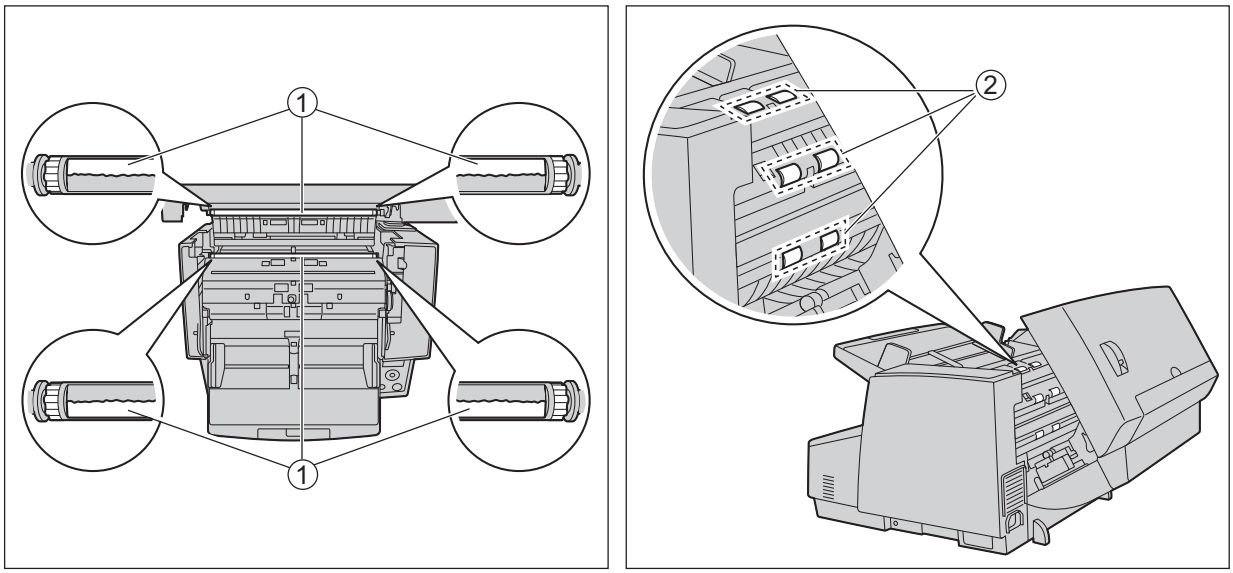
## Notice

- Do not touch the rollers while they are rotating.
- Use Cleaning Mode only to clean the rollers of scanning background and conveyor rollers.
- When cleaning the scanning background rollers, use a soft, dry cloth. If dirt is difficult to remove, wipe off dirt with roller cleaning paper (page 13), and then wipe the scanning backgrounds dry with a soft cloth.
- When cleaning the conveyor rollers, use the roller cleaning paper.

### Starting cleaning mode from the LCD (KV-S5078Y)

1. Close the ADF door (page 39).
2. Plug in the power cord.
3. Turn ON the unit's power (page 38).
4. Press the menu button ( ).
5. Use ▲ or ▼ of the cursor button to select "Maintenance".
6. Press the OK button to complete your selection.
7. Use ▲ or ▼ of the cursor button to select "Cleaning Mode".
8. Press the OK button to complete your selection.
   - Cleaning Mode will start.
9. Open the ADF door (page 39).

**10.** Clean the rollers of scanning background (①) and conveyor rollers (②).




**i.** Use the roller cleaning paper (page 13) or a soft, dry cloth to wipe the rollers from end-to-end and around the entire circumference, as shown in the illustration.

**ii.** Press the Start/Stop button ( ◇/⊘ ) on the scanner to rotate the rollers a small amount.

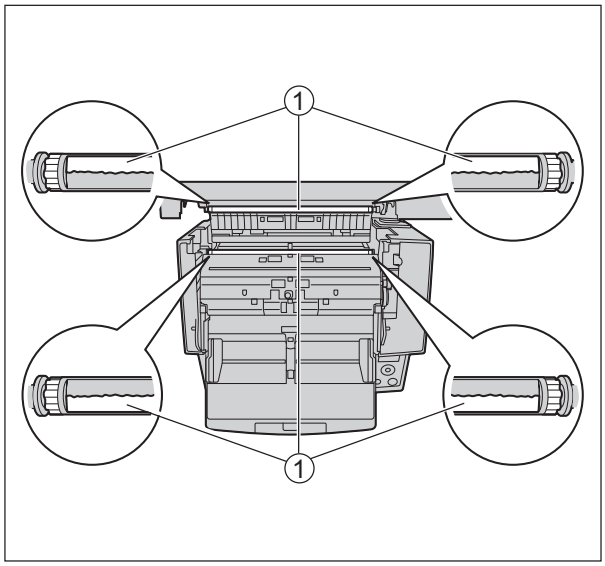
**iii.** Repeat these steps until all surfaces of all rollers are cleaned.

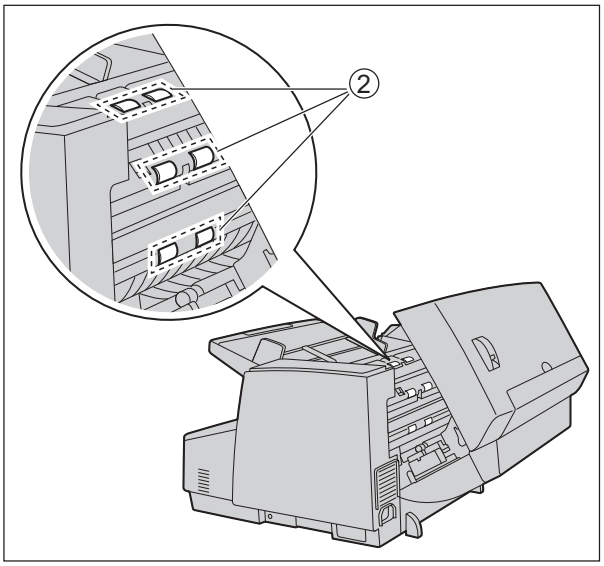
**11.** Close the ADF door (page 39).

**12.** Press the Back button ( ⮌ ) to exit Cleaning Mode.

**Starting cleaning mode from User Utility**

1. Close the ADF door (page 39).
2. Plug in the power cord and connect the USB cable.
3. Turn ON the unit's power (page 38).
4. Start the User Utility.
5. Select Cleaning Mode in User Utility.
6. Open the ADF door (page 39).
7. Enter Cleaning Mode in User Utility.
8. Clean the rollers of scanning background (①) and conveyor rollers (②).




   i. Use the roller cleaning paper (page 13) or a soft, dry cloth to wipe the rollers from end-to-end and around the entire circumference, as shown in the illustration.
   ii. Press the Start/Stop button ( / ) on the scanner to rotate the rollers a small amount.
   iii. Repeat these steps until all surfaces of all rollers are cleaned.
9. Exit Cleaning Mode after cleaning is completed.

# 10.2.6 Clearing the Counter After Cleaning the Rollers

After cleaning the rollers, clear After Clean Roller Counter to zero (0) from User Utility. For details, refer to the User Utility help.

As for KV-S5078Y, After Clean Roller Counter can be set to zero (0) from the operation panel (page 28) as follows.

1. Press the menu button ( ☰ ).
2. Use ▲ or ▼ of the cursor button to select "Counter".
3. Press the OK button to complete your selection.
4. Use ▲ or ▼ of the cursor button to select "Clear Clean Roller Counter".
5. Press the OK button to complete your selection.

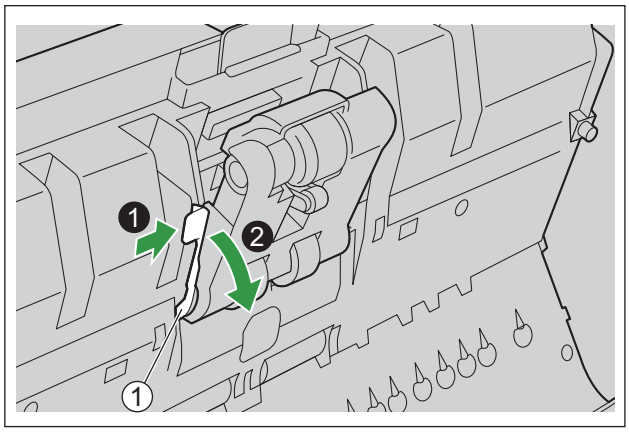
# 10.3 Replacing the Rollers

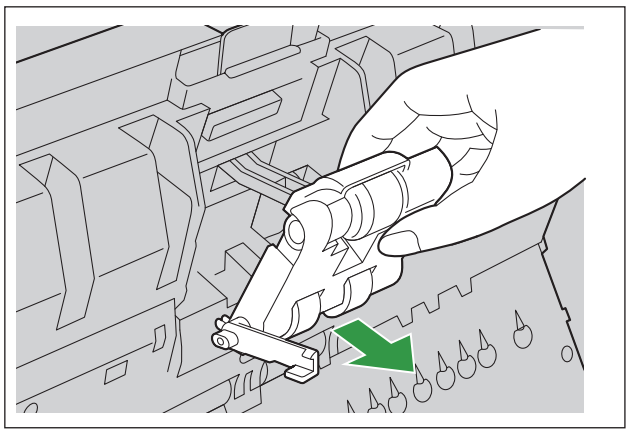
As a rough guideline, we recommend replacing the paper feed roller and double feed prevention roller module after scanning 700,000 sheets of paper. This includes the number of sheets fed using Count Only Mode. ("700,000 sheets" is based on scanning high-quality woodfree papers and cleaning the rollers periodically. Depending on the type of paper, the roller cleaning interval, and the actual usage environment, the actual life span of the rollers may be reduced.)
In User Utility, you can check the number of sheets that have been scanned. As for KV-S5078Y, you can check it from the operation panel too. Refer to "Counter" (page 36).

## Notice

- Be careful not to damage any parts of the unit.

1. Turn OFF the unit's power (page 38).
2. Open the ADF door (page 39).
3. Move the lever (①) of the paper feed roller module in the order indicated by the arrow (❶, ❷), and then pull out the module towards you.

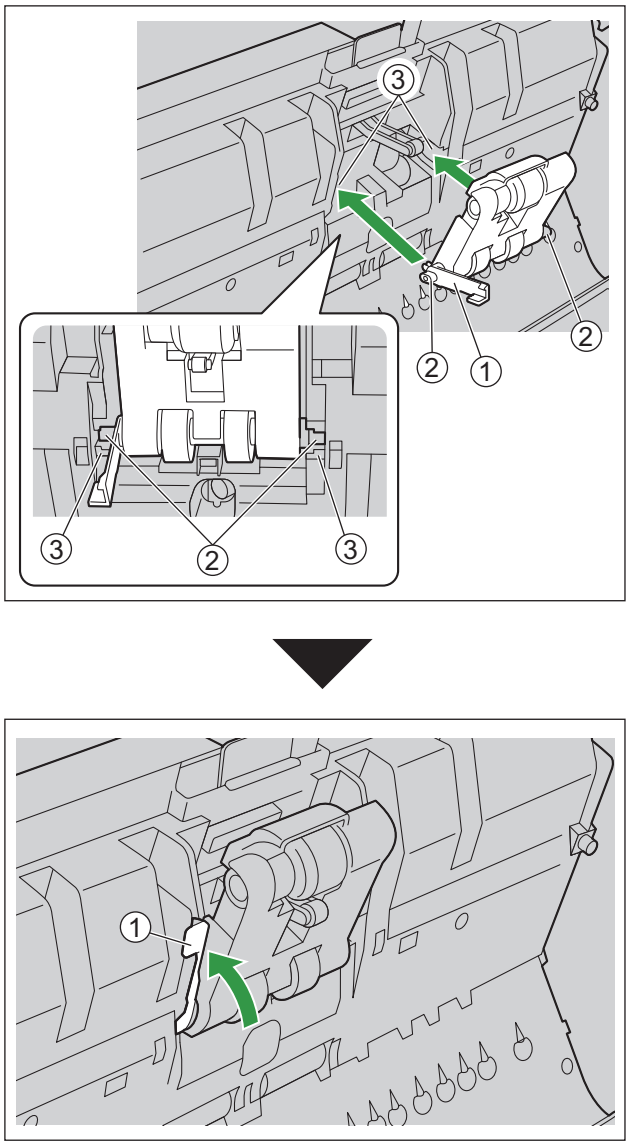


4. Open the "Roller exchange kit (KV-SS068)" (sold separately) and take out the new paper feed roller module.

**5.** Install the new paper feed roller module.

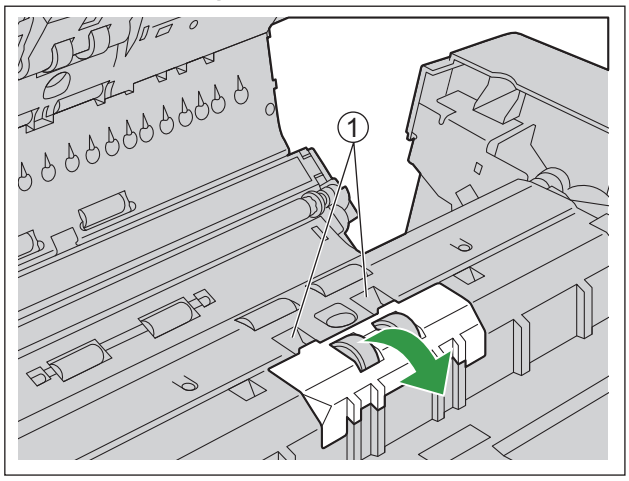
- With the lever (①) of the paper feed roller module lowered, insert both protrusions (②) into the grooves (③), and then slowly raise the lever (①) in the direction indicated by the arrow until it clicks into place.



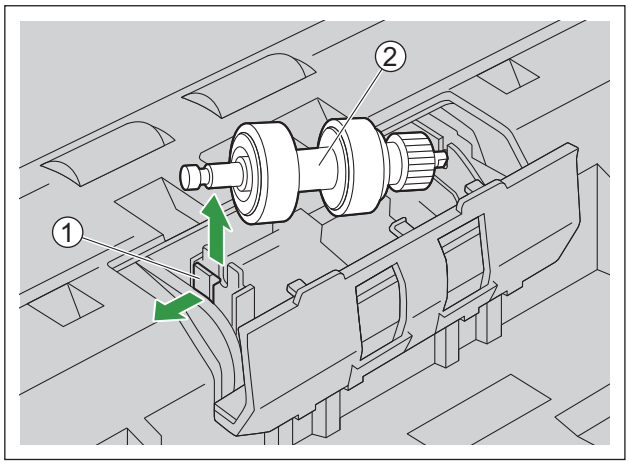

## Notice

- Make sure that the paper feed roller module's lever (①) is firmly set. If the lever is not firmly set, the lever or the paper feed roller module might become damaged or might not function correctly.

**6.** Use the indents (①) to pull the double feed prevention roller cover towards you to open it.



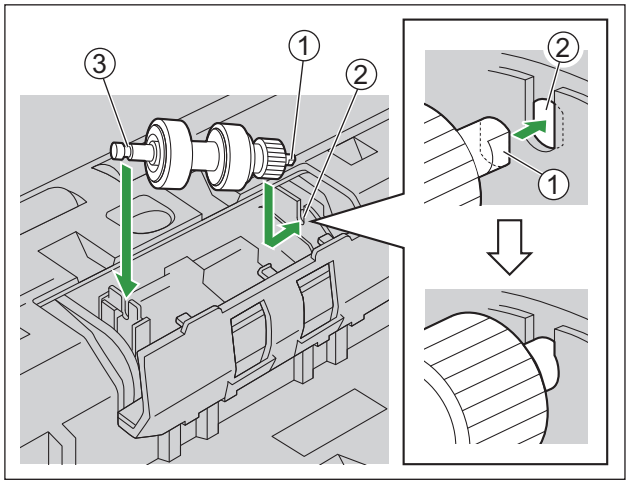

**7.** While pulling the tab (①) in the direction indicated by the arrow, lift the double feed prevention roller (②) in the direction of the arrow. Then, pull out the right shaft (when facing it) from the notch in the roller mount.




**8.** Open the "Roller exchange kit (KV-SS068)" (sold separately) and take out the new double feed prevention roller.

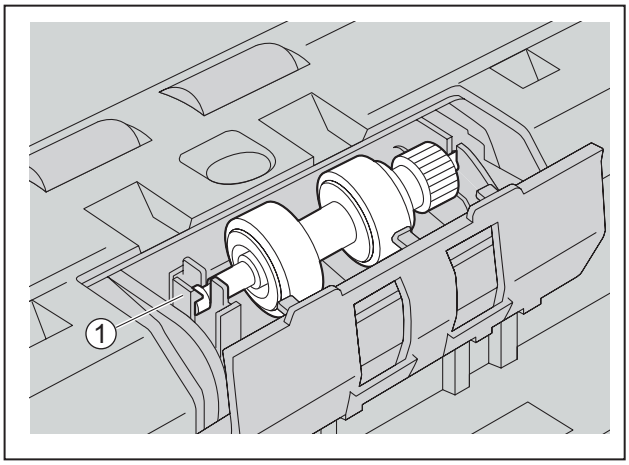
**9.** Install the new double feed prevention roller.

- Align the shaft that is shaped as indicated by ① with the notch in the roller mount (②), and then insert the shaft in the notch. Push the shaft on the opposite side (③) until it clicks into place.

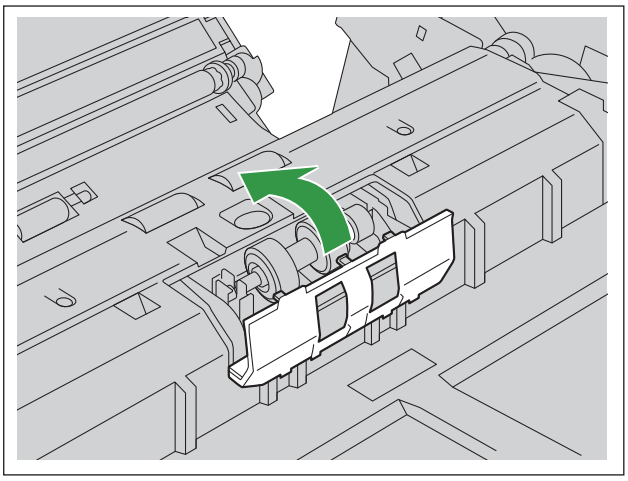



## Notice

- After you install the double feed prevention roller, make sure that the shaft is inserted into the tab (①). If the roller is not installed correctly, it may cause double feeding or a paper jam.



**10.** Push the double feed prevention roller cover until it clicks into place to close it.



### Notice

- Make sure that the double feed prevention roller cover does not stick up. If the double feed prevention roller cover is closed incompletely, damage or paper jams can occur.

**11.** Close the ADF door (page 39).

**12.** Turn ON the unit's power (page 38).

**13.** After replacing the roller, clear After Replace Roller Counter to zero (0) (page 109).

### Note

- If misfeeding or double feeding occurs after cleaning or replacing the rollers, the rollers may not be installed properly. Confirm the installation conditions again.

# 10.3.1 Clearing the Counter After Replacing the Rollers

After replacing the rollers, clear After Replace Roller Counter to zero (0) from User Utility. For details, refer to the User Utility help.

For KV-S5078Y, After Replace Roller Counter can be set to zero (0) from the operation panel (page 28) as follows.

1. Press the menu button ( ☰ ).
2. Use ▲ or ▼ of the cursor button to select "Counter".
3. Press the OK button to complete your selection.
4. Use ▲ or ▼ of the cursor button to select "Clear Replace Roller Counter".
5. Press the OK button to complete your selection.

# 11 Optional Imprinter Unit

## 11.1 Installing the Imprinter Unit and Ink Cartridge

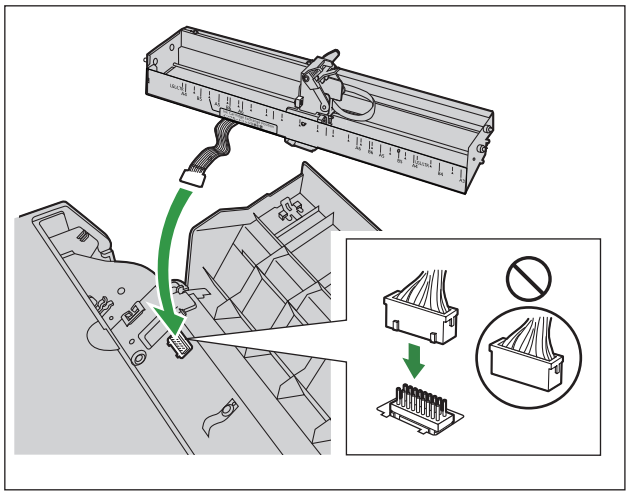
The imprinter unit can be used to print information such as a name, the date and time, or a serial number on the document after scanning. The printed information will also appear in the scanned image.

### Notice

- Do not use the imprinter to print on water-repellent documents such as film, coated paper, some kinds of copy paper, etc. These documents repel ink, and the ink may stain the inside of the scanner (for example, the rollers). If imprinter ink has stained parts of the scanner, clean them by using the Roller cleaning paper (KV-SS03).
- The imprinter unit or ink cartridge should only be inserted or removed after the power is turned off. Before starting, touch a metal object such as a door knob to discharge static electricity.

### 11.1.1 Installing the Imprinter

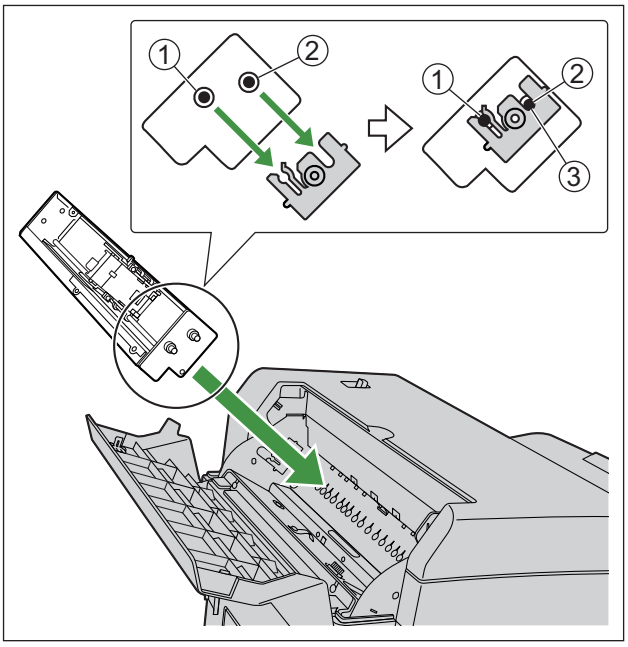
1. Turn OFF the unit's power (page 38).
2. Open the Imprinter door (page 40).
3. Connect the cable.



### Notice

- Check the orientation of the connector before insertion.

4. While keeping the direction of the imprinter as shown in the diagram below, insert the pins (①) on both sides into the guides, and insert the pins (②) on both sides into the guides until they are locked by the springs (③).

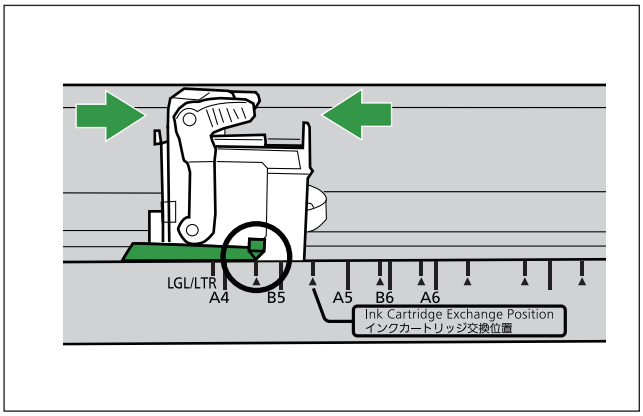



5. Install the ink cartridge (page 113).
6. Close the Imprinter door (page 40).

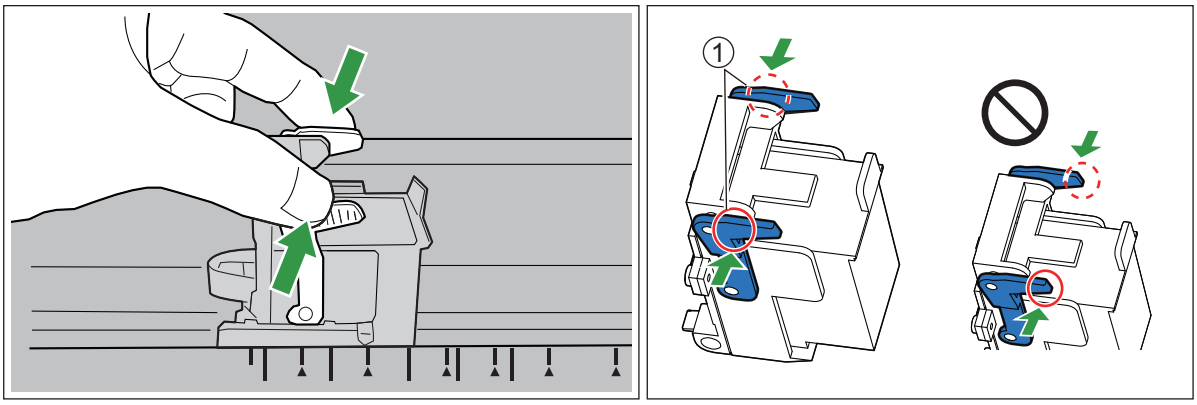
# 11.2 Replacing the Ink Cartridge

## 11.2.1 How to Remove the Ink Cartridge

1. Turn OFF the unit's power (page 38).
2. Open the Imprinter door (page 40).
3. Move the carriage to the ink cartridge exchange position.
   - For the exchange position, see the label on the imprinter.




4. Push the parts (①) on both sides of the blue lever simultaneously.

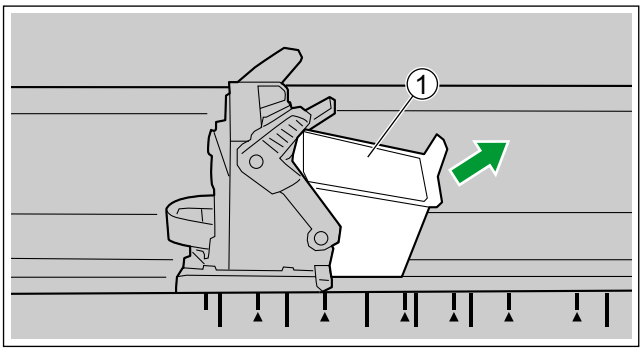



   - The lock is released and the lever is raised.

### Notice

- Do not force the end of the knob. The lever may be damaged.

**5.** Remove the ink cartridge (①).



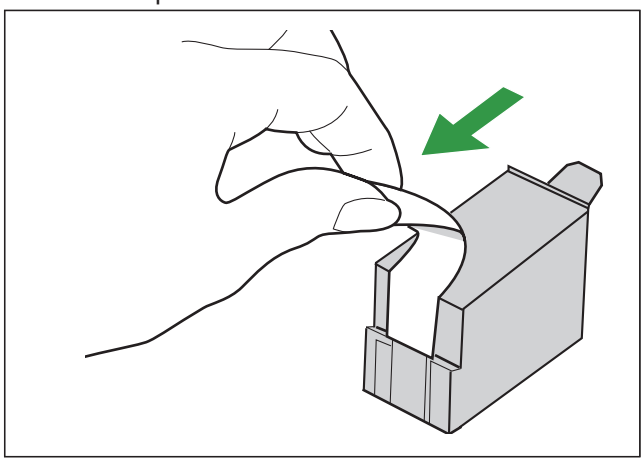

- For details about installing a new ink cartridge, refer to "11.2.2 How to Install the Ink Cartridge" (page 113).

## 11.2.2 How to Install the Ink Cartridge

### Notice

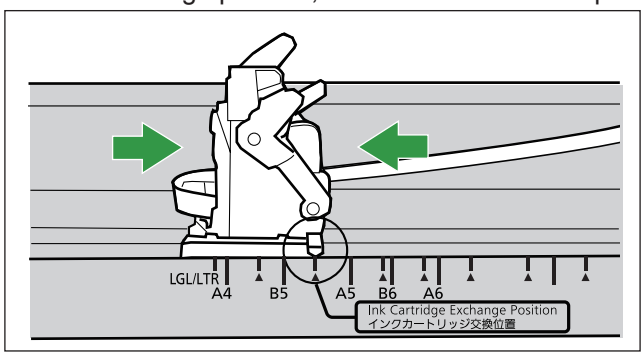
- Check that the unit has been turned off.

**1.** Remove the protective sheet.

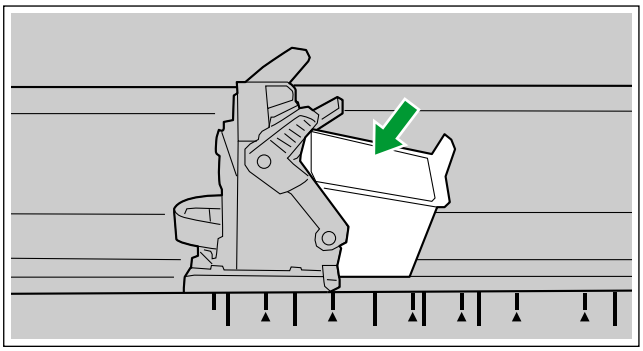


**2.** Move the carriage to the ink cartridge exchange position.

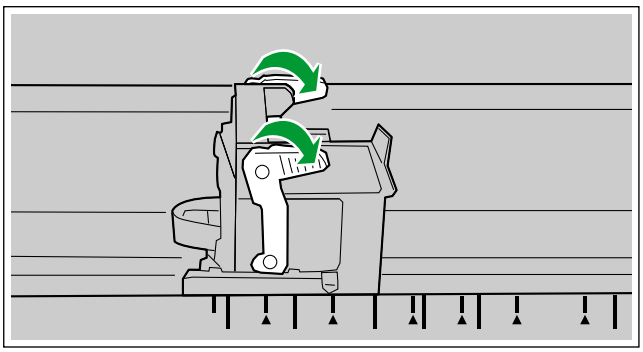
- For the exchange position, see the label on the imprinter.



**3.** Insert the ink cartridge into the carriage.



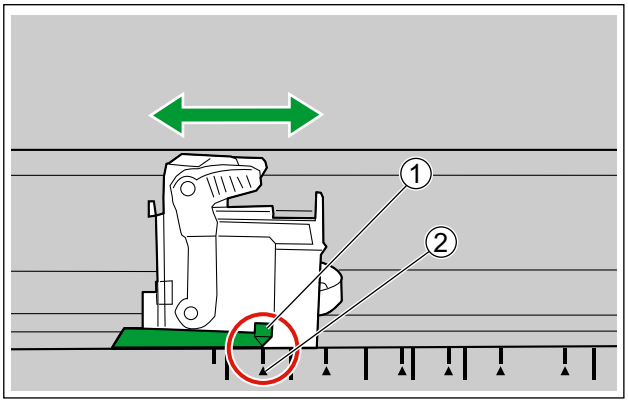
**4.** Lock the cartridge adjusting lever.



# 11.3 Printing

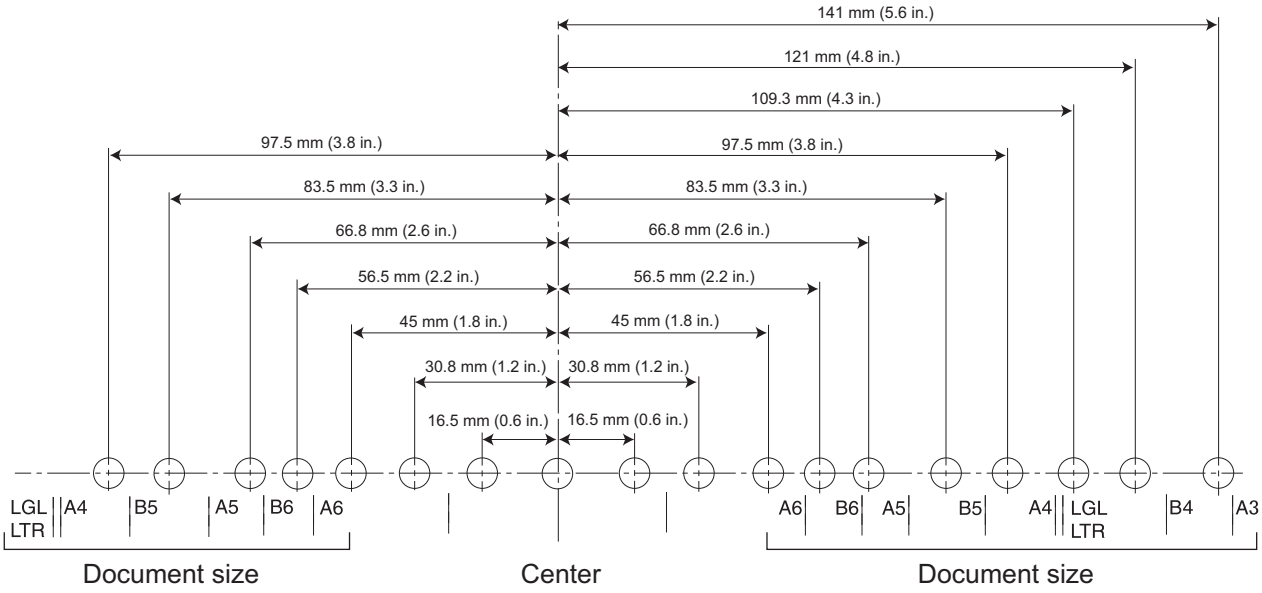
### Adjusting the imprinter printing position

1. Open the imprinter door (page 40).
2. Move the carriage to the desired printing position, and align the indicator (①) with the "▲" mark (②).
   - The "▲" mark indicates the printing position. Printing is not available in any other position.
   - For the printing position, see the label on the imprinter.




3. Close the imprinter door (page 40).

### Printing Position




### Printing

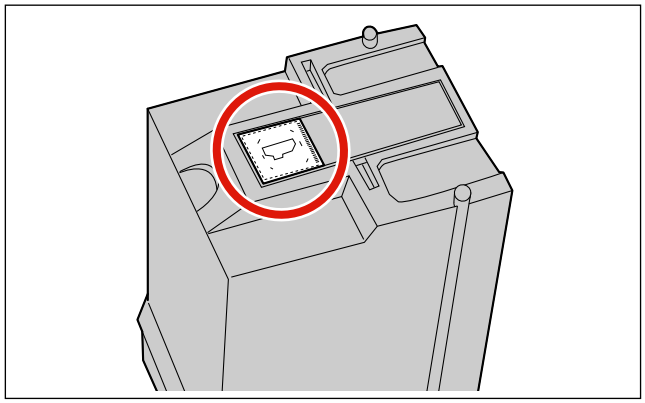
Printing can be set from the Image Capture Plus software and the TWAIN and ISIS drivers. For details, refer to the Image Capture Plus, TWAIN, or ISIS help.

# 11.4 Cleaning the Ink Cartridge

If printing becomes faded, perform the following:

**Cleaning by using the User Utility**
Click the [Clean Imprinter] button on the User Utility program.
This will help remove clogging by ejecting ink from the print head.

**Cleaning the dirt on the print head**
Wipe and clean the print head with moistened tissue paper.
Do not use any material that includes alcohol. (e.g., Roller cleaning paper)



## Notice

- Depending upon the type of paper you use, ink may stain the inside of the scanner (e.g., Rollers). In this case, clean it by using the Roller cleaning paper (KV-SS03).

# 12 Appendix

## 12.1 Available Functions When Scanning (KV-S5078Y)

The functions you can use when scanning differ depending on how you are using the scanner. For details, refer to the following table.

### Note

- For details about the function names, refer to the help for Image Capture Plus, TWAIN, or ISIS.

| Function name | **Pull scan (Using Image Capture Plus, TWAIN, or ISIS)**<br><br>**Push scan**<br>• **USB mode**<br>• **Network PC mode** | **Push scan**[*1]<br>• **Preset Scan mode (FTP server, shared folder, e-mail, Cloud, SharePoint)** |
|---|---|---|
| Paper Source | Available | Available |
| Page Size | Available | Available |
| Image Type | Available | Available[*2][*3] |
| Resolution | Available | Available |
| Dynamic Threshold | Available | Available |
| Brightness | Available | Available |
| Contrast | Available | Available |
| Automatic Crop | Available | Available |
| Deskew | Available | Available |
| Rotate | Available | Available[*4] |
| Blank Page Removal | Available | Available[*4] |
| Noise Reduction | Available | Available |
| Smooth Background | Available | Available[*4] |
| Background Removal | Available | Available[*4] |
| Detect Double Feed | Available | Available |
| Halftone | Available | — |
| Area | Available | — |
| Long Paper | Available | Available |
| Length Control | Available | — |
| Margin | Available | — |
| Sub Area | Available | — |
| Image Emphasis | Available | — |

| Function name | Pull scan (Using Image Capture Plus, TWAIN, or ISIS)<br><br>Push scan<br>• USB mode<br>• Network PC mode | Push scan[*1]<br>• Preset Scan mode (FTP server, shared folder, e-mail, Cloud, SharePoint) |
|---|---|---|
| Chroma | Available | — |
| Gamma | Available | — |
| Fit To Page | Available | — |
| Border Removal | Available | Available[*5] |
| Hole Removal | Available | Available[*5] |
| Drop Out | Available | — |
| Multi Color Drop Out | Available | — |
| White Level From Paper | Available | — |
| Automatic Separation | Available | — |
| Moire Reduction | Available | — |
| Double Exposure | Available | — |
| Color Matching | Available | — |
| Automatic Image Orientation | Available | Available[*6][*7] |
| 2-Page Separation | Available | — |
| Detect Dog-ear | Available | — |
| Barcode | Available | Available[*6] |
| Patchcode | Available | — |
| Auto Preview | Available | — |
| Auto Rescan | Available | — |
| Notification features | Available | — |
| Control Sheet | Available | — |
| Separation Sheet | Available | Available |

[*1] If a scan server was created from the included CD-ROM, the following functions are unavailable:

- Searchable PDF output
- High-compression PDF output
- Password-protected PDF output
  - For Cloud/SharePoint
  - For email/FTP Server/Shared Folder (if "Hole Removal" or "Border Removal" is used at the same time)

[*2] Multi Stream is not available.

[*3] To use "Automatic Binary/Color Distinction" and "Long Paper" at the same time, you must set up a scan server.

[*4] To use "Long Paper" at the same time as this function, you must set up a scan server.

[*5] To use this feature, you need to set up the scan server.

[*6] To use this feature, you need to set up the scan server with option CD-ROM [KV-SS094].

*7 From the Configuration Web, set "Rotate" of "Scan Settings" to "Auto".

# 12.2 Perform Network Settings with USB Connection (KV-S5078Y)

You can configure the network settings using Network Setting Tool with USB connection.
For details about network-related settings, consult your network administrator.

## 12.2.1 Configuring Wired LAN Settings

1. Start Network Setting Tool.
   - Display the current settings.
2. Perform the following procedure if the date and time have not been set on the unit.
   - Click [Date & Time], and then set the date and time. ⟶ [OK]
3. Click [Change], and then configure the following network settings. ⟶ [OK]

| Item | Description |
|---|---|
| Host Name | Set the host name for the scanner. |
| DHCP | Enable (On) or disable (Off) DHCP. |
| AutoIP*1 | Enable (On) or disable (Off) AutoIP. If DHCP is disabled, this setting cannot be changed. |
| IP Address | Set the IP address. If DHCP is enabled, the IP address will be set automatically and cannot be changed. |
| Subnet Mask | Set the subnet mask. If DHCP is enabled, this will be set automatically and cannot be changed. |
| Default Gateway | Set the default gateway. If DHCP is enabled, this will be set automatically and cannot be changed. |
| DNS Server 1 | Set the primary DNS server. If DHCP is enabled, this will be set automatically and cannot be changed. |
| DNS Server 2 | Set the secondary DNS server. If DHCP is enabled, this will be set automatically and cannot be changed. |
| WINS Server 1 | Set the primary WINS server. If DHCP is enabled, this will be set automatically and cannot be changed. |
| WINS Server 2 | Set the secondary WINS server. If DHCP is enabled, this will be set automatically and cannot be changed. |
| Network Authentication Type | Set the network authentication type (None / PEAPv0(MSCHAPv2) / EAP-TLS). |

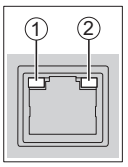
*1 When the IP address can not be acquired from the DHCP server, the following values are automatically set.

- IP Address: 169.254.1.0 - 169.254.254.255
- Subnet Mask: 255.255.0.0
- Default Gateway: 0.0.0.0

In this case, if the IP address has the same value as other devices, the unit can not be connected to the network. Check the DHCP server is running correctly.

## Notice

Check the following if you cannot connect the unit to the network.




- If the orange LED on the LAN connector (①) does not light.
  - The unit is turned on.
  - The unit is not in sleep mode.
  - The unit is correctly connected to a router or hub with the LAN cable.
  - The LAN cable or LAN connector is not damaged.
- If the LED (green) of the LAN connector (②) is blinking.
  - Check the settings with the Network Setting Tool.

# 12.3 Check the Event Settings for Touch Free Scanning and Single Touch Scanning

Check the following if an application does not start up after being set in Scan Button Setting Tool.

1. Display the scan properties screen.
   - [Control Panel] ⟶ [View devices and printers], right-click the scanner icon, and display the [Scan properties] screen.
2. Click the [Events] tab.
3. Check that Scan Button Setting Tool is selected as the program to start for each event.
   - If an application other than Scan Button Setting Tool is selected, change the application to Scan Button Setting Tool.
4. Click [OK].
5. Restart the computer.

# 12.4 SFTP Public Key Authentication (KV-S5078Y / LAN Connection)

In order to use key authentication with SFTP and push scan, you need to create a key with the scanner, and then register the public key with the SFTP server.

How to create the key for SFTP

1. Launch Configuration Web.
   - For details, refer to "8.1 Launch Configuration Web" (page 76).
2. Open the [Server] tab.
3. Click [FTP].
4. In "Key List", click [Edit].
5. Click the icon ( ).
6. Specify "Name"(up to 15 characters) and "Type" (RSA(1024bit) / RSA(1536bit) / RSA(2048bit) / RSA(3072bit)).
7. Click [Submit].
   - A private key and public key are created in the unit.
8. Click [Export] and save the public key file with the browser.
   - Register the public key with the SFTP server.

### Note

- To change the key, delete the current key and create a new one.
- Security can be strengthened by increasing the key length, but transmission speed will be reduced. If transmission speed is slow, reduce the key length.

# 12.5 Server Certificate (KV-S5078Y / LAN Connection)

If you use HTTPS to access the scanner, a security alert will appear on the screen. To prevent the security alert from appearing, you must install the server certificate. We recommend using a server certificate that was issued by third-party signing organization (a certificate authority). For details, refer to "12.5.1 Installing a Server Certificate" (page 124).
You can also use a certificate issued independently by a non-authority or a self-signed certificate issued by the scanner. For details, refer to "12.5.2 Installing a Self-signed Certificate" (page 125).

## 12.5.1 Installing a Server Certificate

### Creating a certificate signing request (CSR)

1. Launch Configuration Web.
   - For details, refer to "8.1 Launch Configuration Web" (page 76).
2. Open the [Network] tab.
3. Click [SSL/TLS].
4. In "Create CRT Key", click [Edit].
   - You can not create a CRT key if Self-signed Certificate or Security Certificate is enabled.
5. Set "CRT Key Length".
   - When using a server certificate, the permissible key length depends on the certificate authority. Please confirm beforehand.
6. Click [Submit].
   - Do not operate the browser until creation of the CRT key is complete. While the CRT key is being created, screen updates and network communication may be slow.
7. Click [Back].
8. In "Certificate Signed Request", click [Edit].
9. Edit the contents of "Certificate Signed Request".
10. Click [Submit].
11. Click [Save].
    - The certificate signing request (CSR) will be saved. You can obtain a server certificate with this CSR from a certificate authority.

### Installing a server certificate

1. Launch Configuration Web.
   - For details, refer to "8.1 Launch Configuration Web" (page 76).
2. Open the [Network] tab.
3. Click [SSL/TLS].
4. In "Certificate Installation", click [Edit].
5. Click [Browse] in "File" and specify the server certificate file following the on-screen instructions.

### Enabling SSL/TLS

1. Launch Configuration Web.
   - For details, refer to "8.1 Launch Configuration Web" (page 76).
2. Open the [Network] tab.
3. Click [SSL/TLS].
4. In "Setup", click [Edit].
5. Set "Service" to [On].
6. Click [Submit].
   - The scanner will restart automatically.

## 12.5.2 Installing a Self-signed Certificate

1. Launch Configuration Web.
   - For details, refer to "8.1 Launch Configuration Web" (page 76).
2. Open the [Network] tab.
3. Click [SSL/TLS].
4. In "Create CRT Key", click [Edit].
   - You can not create a CRT key if Self-signed Certificate or Security Certificate is enabled.
5. Click [Submit].
   - Do not operate the browser until creation of the CRT key is complete. While the CRT key is being created, screen updates and network communication may be slow.
6. Click [Back].
7. In "Self-signed Certificate", click [Edit].
8. Click [Submit].
9. Click [Back].
10. In "Setup", click [Edit].
11. Set "Service" to [On].
12. Click [Submit].
    - The scanner will restart automatically.

# 12.6 Import/Export (KV-S5078Y / LAN Connection)

You can export the contents of the scanner's settings to a file. Also, you can import this file to the other scanners. You can set a password for this file. It is used for importing.

### To export the settings

1. Launch Configuration Web.
   - For details, refer to "8.1 Launch Configuration Web" (page 76).
2. Open the [Administrator] tab.
3. Click [Import/Export].
4. In "Mode", select [Export].
5. Select the items you want to export.
6. Input a password (0 to 16 characters) for the file.
7. Click [Submit], and save the file according to the browser.

### To import the settings

1. Launch Configuration Web.
   - For details, refer to "8.1 Launch Configuration Web" (page 76).
2. Open the [Administrator] tab.
3. Click [Import/Export].
4. In "Mode", select [Import].
5. Select the items you want to import.
6. Input the file name and password.
7. Click [Submit].

# 12.7 Backup/Restore (KV-S5078Y / LAN Connection)

You can backup all the contents of the scanner's settings to a file. Also, you can restore the settings to the scanner. You can set a password for this file. It is used for restoring.

### To backup the settings

1. Launch Configuration Web.
   - For details, refer to "8.1 Launch Configuration Web" (page 76).
2. Open the [Administrator] tab.
3. Click [Backup/Restore].
4. In "Mode", select [Backup].
5. Input a password (0 to 16 characters) for the file.
6. Click [Submit], and save the file according to the browser.

### To restore the settings

1. Launch Configuration Web.
   - For details, refer to "8.1 Launch Configuration Web" (page 76).
2. Open the [Administrator] tab.
3. Click [Backup/Restore].
4. In "Mode", select [Restore].
5. Input the file name and password.
6. Click [Submit].

# 12.8 Firmware Update (KV-S5078Y / LAN Connection)

Update the firmware of the scanner displaying the Configuration Web. Download the "Firmware Update Tool" from the following website.

- https://panasonic.net/cns/pcc/support/scanner/s5078/fwup.html

1. Launch Configuration Web.
   - For details, refer to "8.1 Launch Configuration Web" (page 76).
2. Open the [Administrator] tab.
3. Click [Firmware Update].
4. Click [Browse] under "File", and follow the instructions on screen to select the downloaded file.
5. Click [Submit].
6. Follow the instructions on the screen to complete the firmware update.

# 12.9 Factory Reset (KV-S5078Y)

This function will erase all of the settings in the scanner and initialize it to the factory default settings. If the unit is connected by USB, use User Utility. If the unit is connected over the LAN, use Configuration Web.

- This unit saves the information that you set, such as the network configuration, passwords, e-mail addresses, etc. To prevent leakage of your information, initialize the unit to the factory default settings before you discard or transfer the unit.
- You cannot restore the settings after Factory Reset. Keep a copy of all important data.
- If you forget the user name or password, you can reset the user name and password using Factory Reset. After Factory Reset, configure the scanner again.
- The following items are reset by "Factory Reset".
  - Function (page 80)*1
  - Scan Settings (page 82)
  - Preset Scan (page 83)
  - Network (page 84)
  - Server (page 86)
  - Information Notification (page 88)
  - User Name / Password (page 89)

*1 "System Counter" is not reset.

## Note

- Resetting the current language during a factory reset is optional. If you choose to reset the language settings, the LCD display will prompt you to select a new language setting after the scanner restarts.

### For a USB connection

1. Connect the unit to your computer via USB.
2. Start User Utility.
3. Click [Maintenance Setting].
4. Click [Factory Reset] and follow the on-screen instructions.

### For a LAN connection

1. Launch Configuration Web.
   - For details, refer to "8.1 Launch Configuration Web" (page 76).
2. Open the [Administrator] tab.
3. Click [Factory Reset].
4. Select the [Factory Reset] check box.
5. Click [Reset].
6. Follow the instructions on the screen to complete the factory reset.

# 12.10 Troubleshooting

If a problem occurs while the scanner is being used, check the following items and check the scanner status on the LCD or in User Utility. If the unit still malfunctions, turn it off, unplug the power cord and call for service.

| Symptom | Possible Cause | Remedy |
|---|---|---|
| Ready LED (Green) does not light when the unit's power is turned on. | The power cord is not plugged in. | Insert the power plug firmly. |
| The computer does not recognize the scanner. The scanner is not functioning correctly. | The scanner is not connected to the computer correctly. | Connect the USB cable or LAN cable correctly. |
| | The software is not installed correctly. | Uninstall the software from the computer (page 137), and then install the software again (page 23). |
| | The scanner is connected via a USB hub or USB switch. | Do not connect the unit via a USB hub or USB switch. |
| | There is a problem with the cable. | If you are using a USB cable, be sure to use the included USB cable. If you are using a LAN cable, use a category 5 or enhanced category 5 cable or greater. |
| | The unit's power was turned off because no operations were performed for a certain period of time. | Turn on the unit's power (page 38). |
| | **LAN connection:**<br>The network-related settings are incorrect. | Check the network-related settings (page 120). |
| Scan speed is slow. | The scanner is connected over a USB 1.1 or USB 2.0 connection. | Connect over USB 3.0, USB 3.1 or USB 3.2. |
| | **LAN connection:**<br>In case of using this unit with a LAN connection, the scanning speed may be slower due to network traffic. | Consult your network administrator. |
| The document has been loaded on the feed tray, but the scanner does not start scanning. | The document is not loaded properly. | Load the document correctly (page 46). |
| | The sensor cannot detect the document as the edge of the document is curled. | Flatten the document (page 43) and load it again (page 46). |
| The documents are not fed one at a time, but in bunches. | The scanning method is set to manual. | Select automatic scanning using the manual feed selector (page 51). |

| Symptom | Possible Cause | Remedy |
|---|---|---|
| Paper jams occur frequently. | The document is wrinkled. | Smooth out the document. |
| | The rollers are dirty. | Clean the rollers (page 98). |
| | The document is not aligned correctly. | Realign the document (page 46). |
| | Too many sheets are set on the feed tray. | Remove sheets until the sheets on the feed tray are under the limit mark on the document guide. |
| Scanned documents are wrinkled or folded in the exit tray area when the exit support sheet is used. | The documents are thin or curled. | Scan the documents without the exit support sheet (page 58). |
| Double feeding occurs frequently. | The paper feed roller, separation roller or double feed prevention roller is dirty. | Clean the paper feed roller, separation roller or double feed prevention roller (page 98). |
| | The paper feed roller, separation roller or double feed prevention roller have become worn down. | Replace the paper feed roller, separation roller or double feed prevention roller (page 104). |
| | The double feed detectors are dirty. | Clean the double feed detectors (page 96). |
| | Right and left sides of the document to be scanned are not the same in height because of curling or folding. | Flatten the document (page 43) and load it again after reducing the number of sheets. |
| | The document is printed on an unsupported type of paper or thick paper. | Make a copy of the document on paper of a compatible type and thickness (page 42), and then scan the copy. |
| | The length of the paper is too short. | Make a copy of the document on paper of a compatible size (page 42), and then scan the copy. |
| | The document is not aligned correctly. | Realign the document (page 46). |
| | Too many sheets are set on the feed tray. | Remove sheets until the sheets on the feed tray are under the limit mark on the document guide. |
| | The double feed detectors are not adjusted properly. | Remove the documents, and then turn off/on the unit's power (page 38). |

| Symptom | Possible Cause | Remedy |
|---|---|---|
| Scanned image is skewed. | The document guides are not adjusted to the size of the document to be scanned, or the document to be scanned is set slanted on the feed tray. | Adjust the document guides properly to the size of the document to be scanned (page 46). |
| | Right and left sides of the document to be scanned are not the same in height because of curling or folding. | Flatten the document (page 43) and load it again after reducing the number of sheets. |
| The image of a scanned document is blank. | The document to be scanned was loaded upside down. | Load the documents with the surface to be scanned facing up. |
| Vertical streaks appear on the scanned document. | The scanning glasses are dirty. | Clean the conveyors, scanning glasses (page 95) and the white reference area on the scanning background rollers (page 97). |
| Dark spots or noise appear on the scanned documents. | The scanning glasses are dirty. | Clean the conveyors and scanning glasses (page 95). |
| The scanning density is uneven. | The scanning glasses are dirty. | Clean the conveyors and scanning glasses (page 95). |
| | Shading adjustment is required. | Perform shading adjustment. (page 136) |
| The color of the scanned document is extremely different from the original document. | The settings of the computer monitor do not accurately reflect the color of the document. | Adjust the computer monitor settings. |
| | Depending on the documents scanned, the color of documents may not be scanned properly. For example, the color of a highlighter pen may be scanned lighter than it appears. | Setting the value for [Chroma] higher in the scanning conditions may solve this problem. |
| There is noise or wave patterns (moire pattern) on the scanned image. | The scanning resolution settings, combined with patterns within the scanned image, may cause this problem. | Change the scanning resolution or turn the Moire Reduction function on, and perform scanning again. About Moire Reduction function, refer to the Image Capture Plus, TWAIN, or ISIS help. |

If you still experience problems after following these suggestions, please contact our Technical Support Department at 1-800-726-2797 for further assistance (for the United States only).

# 12.11 Error Codes and Error Messages (KV-S5078Y)

Error codes corresponding to the scanner status are displayed on the LCD.
For details about the error codes and messages, check in User Utility.
If you cannot solve the problem by the following instructions, consult your administrator.

| Error Code | Cause | Remedy |
|---|---|---|
| U11 | The paper has jammed in the feed tray area. | Open the ADF door, and remove the paper. |
| | The sensors are dirty. | Clean the sensors (page 96). |
| U12<br>U13<br>U14<br>U16 | A paper jam has occurred in the unit. | Open the ADF door, and remove the paper. |
| | The sensors are dirty. | Clean the sensors (page 96). |
| U18 | Paper has been left in the scanner. | Open the ADF door, and remove all the paper left inside. |
| | The sensors are dirty. | Clean the sensors (page 96). |
| U22<br>U23 | A double-feed error has occurred. | Open the ADF door, and remove the jammed paper. |
| U25<br>U26 | A stapled document has been detected. | Open the ADF door, and remove all the paper left inside. |
| U30 | The ADF door is open. | Close the ADF door. |
| | The Imprinter door is open. | Close the Imprinter door. |
| C00 | The scanner is offline. | Check the LAN Connection. |
| C10 | The scanner cannot communicate with the computer. | Check the connection to the computer. |
| C20 | The IP address of the server or the network configuration is incorrect. | Check the following configurations depending on the destination.<br>– FTP Server<br>– Shared Folder<br>– SMTP Server |
| | The server is down. | Check the status of the server. |
| C21 | The server name or network configuration is incorrect. | Check the following configurations depending on the destination.<br>– FTP Server<br>– Shared Folder<br>– SMTP Server |
| | The server is down. | Check the status of the server. |

| Error Code | Cause | Remedy |
|---|---|---|
| C22 | Login name or password of the server is incorrect, or you do not have permission to log in to the server. | Check the following configurations depending on the destination.<br>– FTP Server<br>– Shared Folder<br>– SMTP Server |
| C23 | The path of the FTP server or Shared folder is incorrect. | Check the following configurations depending on the destination.<br>– FTP Server<br>– Shared Folder |
| C24 | Network data transfer was aborted. | Check the following network settings.<br>• Connection between the LAN and server<br>• SMTP server authentication<br>• Whether the output file name already exists in the destination folder<br>• Read/write access to the destination folder and available disk space<br>Consult your network administrator. |
| C30 | The size of image data exceeds the limit (page 140). | Change the e-mail file size limit. For details, refer to "SMTP" (page 86). |
| | | Reduce the number of documents or decrease the scanning resolution. |
| C80 | The size of image data exceeds the limit (page 140). | Reduce the number of documents or decrease the scanning resolution. |
| C81 | The number of scanned pages exceeds the limit (page 140). | Reduce the number of documents. |
| Fxx | A system error has occurred. | Turn the power off, and then turn it on again (page 38). If the problem is still not resolved, turn off the power, unplug the power cord, and contact your dealer. |

The following error codes relate to "Scan Server" or Network PC mode.

| Error Code | Cause | Remedy |
|---|---|---|
| C60 | The scanner cannot communicate with the scan server. | Check scan server's login status and check the connection with the scan server. |
| | | If the host name is set as the computer name, try to input the IP address instead. |
| | | Check that Image Capture Plus (version 3.7 or later) is installed on the scan server. |
| C61 | Image Capture Plus cannot be used with the specified scanner settings to scan via the Scan Server. To use the specified settings, content from the server option CD-ROM must be installed and set up the scan server. | Purchase the server option CD-ROM (Product number: KV-SS094). |
| C62 | The scan server registered cannot be used. | Use the Scan Server Setting Tool to configure the server. |
| C64 | Image Capture Plus cannot be used with the specified output settings. To use the specified settings, the latest version of Image Capture Plus is required. | Install the latest version of Image Capture Plus. |
| C70 | Image Capture Plus is in use. | Please wait a moment and try again. |
| C71 | Scan server is currently processing another job. | Please wait a moment and try again. |
| C72 | An error occurred while scanning with Image Capture Plus. | After initializing Image Capture Plus, click [Help] - [Display Logs] to check the error details. |
| C73 | An error occurred while transferring via Image Capture Plus. | After initializing Image Capture Plus, click [Help] - [Display Logs] to check the error details. |
| C74 | The size of image data exceeds the limit for Scan Server scanning.(page 140) | Change the e-mail file size limit. For details, refer to "SMTP" (page 86). |
| | | Reduce the number of documents or decrease the scanning resolution. |

# 12.12 Shading Adjustment

## When shading adjustment is required

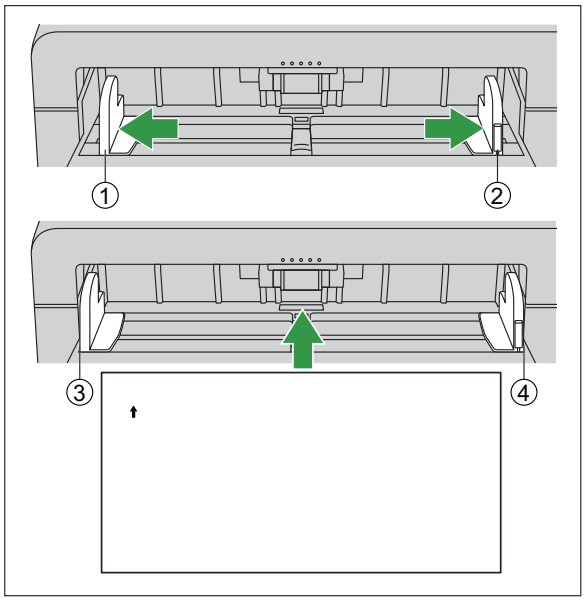
- Perform shading adjustment when the density and brightness of sections of scanned images are considerably uneven, or when image quality does not improve after cleaning the inside of the scanner.

## Before proceeding with shading adjustment

- Before beginning shading adjustment, thoroughly clean the scanning glasses, conveyors in the scanning area (page 95), and all rollers (page 98).
  If you perform shading adjustment while these parts are dirty, lines will appear on scanned images.
- Completely spread apart the document guides. For details, refer to "Adjusting the left and right document guides to their original position" (page 57).

## Shading adjustment procedure

1. Start User Utility.
2. Click [User Shading...] on the main menu, follow the instructions on the image display.
   - For further details, refer to section "[User Shading]" in the help for User Utility.
   - When performing shading adjustment, the shading paper must be placed in landscape orientation on the feed tray. After setting the document guides to positions ① and ②, press near the bases of the document guides (indicated by the arrows) to open them further until they stop (at positions ③ and ④). After you set the shading paper, adjust the positions of the document guides to match the size of the shading paper.




## Notice

- If the shading adjustment has not been performed properly, then lines might appear on scanned images even after adjusting the shading. Also, lines might not be eliminated even after cleaning the conveyors, scanning glasses and the white reference area on the scanning background rollers. Clean the parts, and then adjust the shading again.

# 12.13 Uninstalling the Software

If you want to remove the software that is installed on your computer, follow the procedure below to uninstall it.

1. In [Control Panel], open [Uninstall a program].
2. Uninstall the following software programs.
   - Export Import Tool
   - IDREngine
   - Image Capture Plus
   - KV-S5078Y / S5058 / SL5100 MK2 series ISIS Driver
   - MCD
   - OCREngine
   - Panasonic Scanner Manuals
   - Panasonic Document Scanner Device Driver
   - Panasonic Document Scanner TWAIN Driver
   - Panasonic Scanner User Utility
   - Scan Button Setting Tool
3. Follow the instructions on the screen.

# 12.14 Repacking Instructions

It is highly recommended that you keep the original carton and *ALL* packing materials. If you need to transport or ship the scanner, please follow these instructions.

## Note

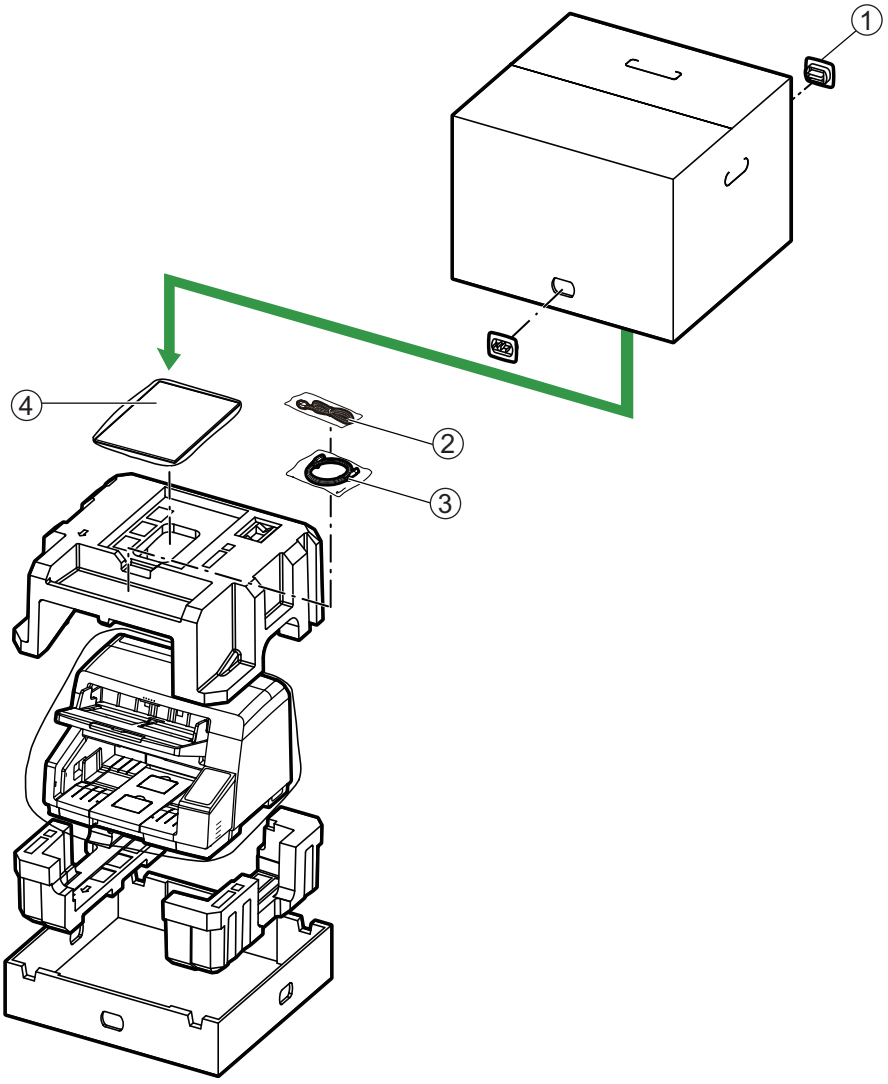
- Improper repacking of the scanner may result in a service charge to repair the scanner.
- Please use the original carton and all of the original packing materials.
- The scanner should be handled in the correct (horizontal) position.

### Required Materials

- Original scanner carton and packing materials
- Shipping tape and scissors

1. Turn the unit OFF (page 38), unplug the power cord and disconnect the USB cable and LAN cable.
2. Remove the exit support sheet (page 58).

**3.** Pack the scanner.




① Joint
② Power cord
③ USB cable
④ Software / Manual CD-ROM
④ Quick Installation Guide
④ Shading paper
④ Exit support sheet

# 12.15 Specifications

## Scanning

| Item | | KV-S5078Y | KV-S5058 |
|---|---|---|---|
| Scanning face | | Duplex | |
| Scanning method | | 3 line Color CIS (300 dpi/600 dpi[*1]) | |
| Scanning speed[*2]<br>• A4[*3] / Letter[*4] Landscape<br>• Binary / color<br>• 200 dpi, 300 dpi | ADF (Simplex) | 120 pages/min. | 90 pages/min. |
| | ADF (Duplex) | 240 images/min. | 180 images/min. |
| Scanning resolution[*5] | | 50 dpi – 600 dpi (1 dpi step), 1,200 dpi (Interpolated)[*6]<br>Optical: 300 dpi / 600 dpi (Automatic switch) | |
| Paper size[*7] | Width × Length | **Automatic Feeding:**<br>48 mm × 70 mm – 307 mm × 432 mm<br>(1.9 in. × 2.75 in. – 12.09 in. × 17 in.)<br>**Manual Feeding:**<br>48 mm × 70 mm – 307 mm × unlimited[*8]<br>(1.9 in. × 2.75 in. – 12.09 in. × unlimited) | |
| | Weight | **Automatic Feeding:**<br>20 g/m² – 157 g/m² (5 lb. – 42 lb.)<br>**Manual Feeding:**<br>20 g/m² – 209 g/m² (5 lb. – 56 lb.) | |
| Feed capacity | | 330 sheets (80 g/m² [21 lb.] High-quality woodfree paper)<br>150 sheets (80 g/m² [21 lb.] High-quality woodfree paper, less than 100 mm (3.9 in.) length paper) | |
| Roller replacement[*9] | | 700,000 sheets | |
| Image data size using push scan | Shared Folder | Up to 512 MB in total or 999 pages | — |
| | FTP | | |
| | Email | Up to 20 MB in total (including the header and e-mail message) or 999 pages | — |

*1 This is the number of dots per inch. This unit is used for scanning and printing resolution. The higher the dpi value is, the higher the resolution becomes.

*2 The scanning speed is the maximum speed of the scanner hardware. It does not include software processing time, data transfer time, etc. The scanning speed measurement is based on Panasonic's measuring method.

*3 This is a standard paper size of 210 mm × 297 mm (8.26 in. × 8.54 in.).

*4 This is the standard paper size of 8.5 in. × 11 in. used in the United States and/or other countries.

*5 When scanning a document larger than A5 size at high resolutions over 600 dpi, the scanning may fail due to insufficient memory.

*6 50 – 99 dpi and 1200 dpi can be used only when scanning with Image Capture Plus, TWAIN, or ISIS.

*7 For details, see "6.2.1.1 Compatible Paper" (page 42).

*8 Using "Long Paper", you can scan a long document to a series of split scanned images. For details about "Long Paper", refer to the Image Capture Plus, TWAIN, or ISIS help.

*9 For details, see "10.3 Replacing the Rollers" (page 104).

## General

| Item | | KV-S5078Y | KV-S5058 |
|---|---|---|---|
| External dimensions (Width × Depth × Height) | | 468 mm × 444 mm × 344 mm (18.5 in. × 17.5 in. × 13.5 in.) | |
| Weight | | 17 kg (37.5 lb.) | |
| Power requirements[*1] | | AC 100 – 127 V, 50/60 Hz, 1.5 A<br>AC 220 – 240 V, 50/60 Hz, 0.8 A | |
| Power consumption | Scanning | 90 W or less | |
| | Ready | 25 W or less | |
| | Sleep | 1.7 W or less (USB connection) | 1.2 W or less |
| | | 1.7 W or less (LAN Connection)[*2] | |
| | Power OFF | AC 100 – 127 V: 0.3 W or less<br>AC 220 – 240 V: 0.3 W or less | |
| Operating environment[*3] | | Temperature: 5 ℃ – 35 ℃ (41 ℉ – 95 ℉)<br>Humidity: 20 % – 80 % RH | |
| Storage environment[*3] | | Temperature: -10 ℃ – 50 ℃ (14 ℉ – 122 ℉)<br>Humidity: 10 % – 75 % RH | |
| Interface | | USB 3.2 Gen1 (backward compatible) | |
| | | LAN<br>(10Base-T / 100Base-TX / 1000Base-T)[*4] | — |
| Recommended web browser | | Internet Explorer 11<br>Mozilla Firefox (latest version)<br>Google Chrome (latest version) | — |

*1 The power requirements differ depending on the country/area. Do not use a power source that does not meet the power source specifications marked on the unit. The power source specifications of this unit are listed on the rating name plate.

*2 If connected to a network device (hub, router, etc.) that supports IEEE802.3az.

*3 About the environmental conditions of Imprinter Unit (KV-SS014), refer to the Installation Manual of Imprinter Unit. When printing in conditions outside of the imprinter unit's operating environment, the printing result may be faded or printing may not occur.

*4 To assure continued emission limit compliance, use only shielded LAN cable. The cable should be a CAT 5 (Category 5) or higher for 10Base-T / 100Base-TX, or CAT 5e (Enhanced Category 5) or higher for 1000Base-T.

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