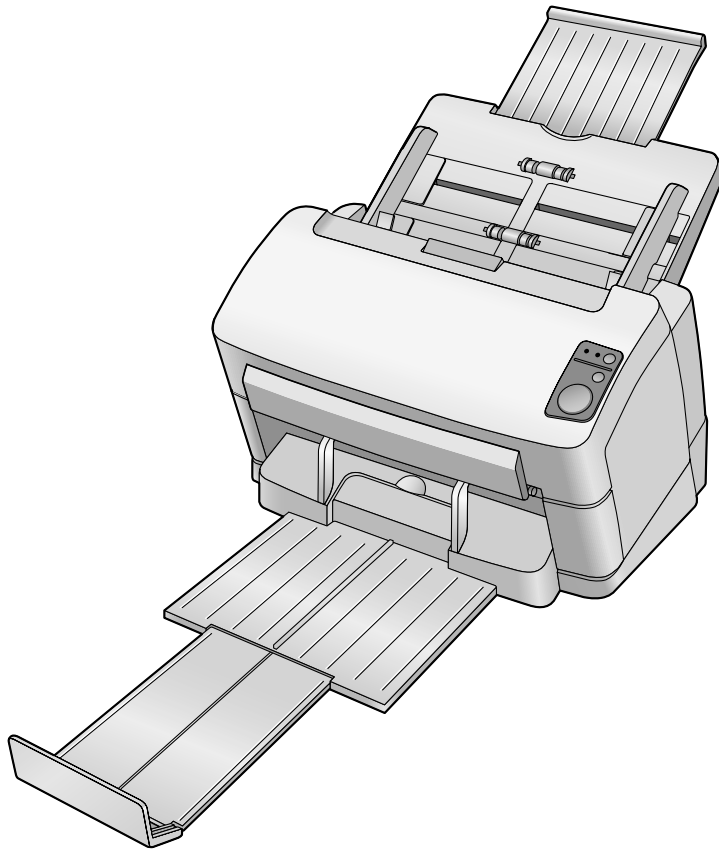


Panasonic®

Operating Manual

Document Scanner

Model No. KV-S1065C
KV-S1046C



These instructions contain information on operating the scanner. Before reading these instructions, please read the installation manual enclosed with this unit.

Please carefully read these instructions and the enclosed Installation manual. Keep all documentation in a safe place for future reference.

Introduction

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

About the documentation

The scanner documentation consists of 2 manuals: the Installation Manual and the Operating Manual. In addition, each piece of software includes help documentation.

Installation Manual (printed documentation)	The Installation Manual explains safety precautions, and the installation method and procedures.
Operating Manual (this manual)	The Operating Manual explains the part names, operations, features and maintenance of the unit.
Software help	<ul style="list-style-type: none">• You can view explanations about the settings for Panasonic Image Enhancement Technology (PIE) functions that are available on the ISIS driver screen and on the TWAIN driver screen by clicking the help button that appears on each of the software's operation screens.• You can view explanations about the settings for Image Capture Plus (ICP) by clicking the help button that appears on the software's operation screen.• You can view explanations for User Utility, which is used for maintenance, by clicking the help button that appears on the software's operation screen.

Abbreviations

- Windows® refers to the Microsoft® Windows® operating system (hereafter Windows).
- Windows® XP refers to the Microsoft® Windows® XP operating system (hereafter Windows XP).
- Windows Vista® refers to the Microsoft® Windows Vista® operating system (hereafter Windows Vista).
- Windows® 7 refers to the Microsoft® Windows® 7 operating system (hereafter Windows 7).

Trademarks

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- All other trademarks identified herein are the property of their respective owners.

Table of Contents

Before You Start	5
Precautions	5
Location of Controls	7
Main Unit	7
Control Panel and LED Indicators	9
Operation	11
Turning on the Scanner Power	11
Starting the Scanner Applications Automatically	12
Setting the event	12
Preparing Documents	14
Acceptable Documents	14
Acceptable cards	14
Unacceptable Documents	15
Scanning Documents	17
Care and Maintenance	22
Clearing Paper Jams	22
Removing paper jams from the feeding section	22
Mixed Batch Card Guide	24
Installing the mixed batch card guide	24
Using the mixed batch card guide	24
Using Control Sheets	25
About Printing Control Sheets	26
Cleaning the Scanner	27
Outside of the Scanner	27
Inside of the Scanner	28
Cleaning the Rollers	29
Cleaning the Scanning glass, Reference area, and Double feed detectors	33
Replacement Parts and Optional Units	35
Replacement Parts and Optional Units	35
Replacing Parts	36
Replacing the Rollers	36
Appendix	41
Troubleshooting	41
Repacking Instructions	44
Specifications	48
Index.....	50

Precautions

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 dew.

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 (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 °C (104 °F).
- Only use the roller cleaning paper to clean the rollers.
- For details about the roller cleaning paper, please refer to the Material Safety Data Sheet (MSDS). Please ask your Panasonic sales company about obtaining the Material Safety Data Sheet.

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.
- Plug the power cord into an outlet from which you can easily unplug it.

Illegal Duplication

It is unlawful to make duplication 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.

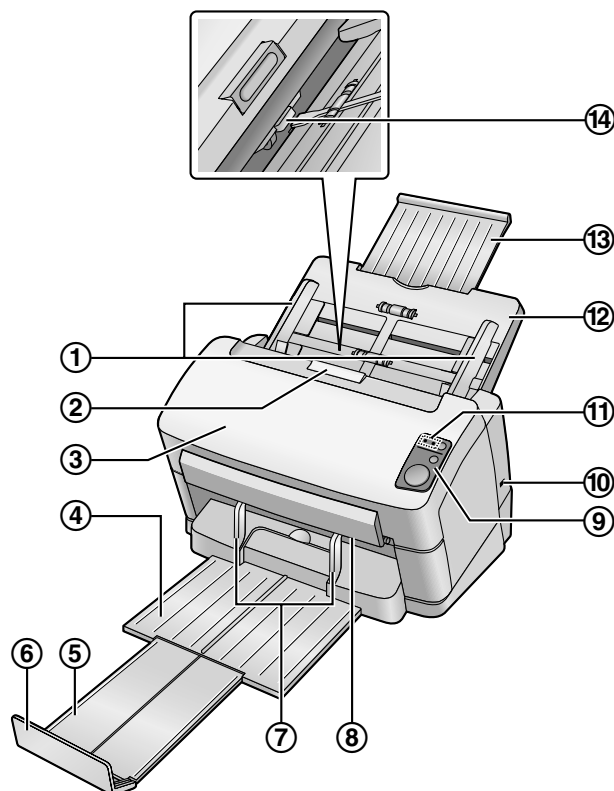
Security Notice

The management of documents and scanned data is the responsibility of the user. In particular, pay attention to the following points.

- 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.
- 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.

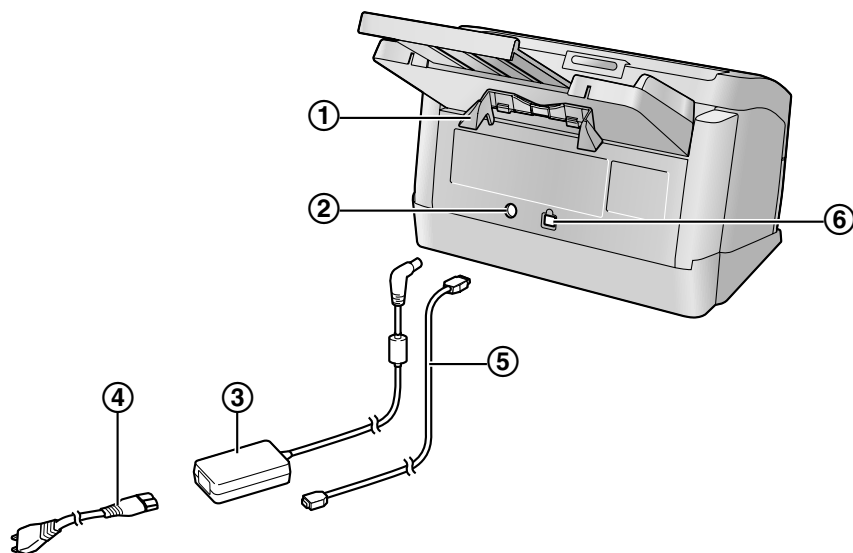
Main Unit

Front



- ① **Document guides**
- ② **Door open button**
- ③ **ADF door**
- ④ **Exit tray**
- ⑤ **Exit extension tray**
- ⑥ **Exit stopper**
- ⑦ **Exit guides**
- ⑧ **Scanning lamps**
- ⑨ **Control Panel**
For details, refer to "Control Panel and LED Indicators" (page 9).
- ⑩ **Security slot**
Use a commercially available security cable.
- ⑪ **LED (Red) / LED (Green)**
Shows the scanner's status. For details, see "Control Panel and LED Indicators" (page 9).
- ⑫ **Feed tray**
- ⑬ **Feed extension tray**
- ⑭ **Manual feed selector**
Selects the scanning method from continuous scanning (Auto) or manual scanning (Manual).

Rear



① **Mixed batch card guide**

② **Power connector**

③ **AC adaptor**

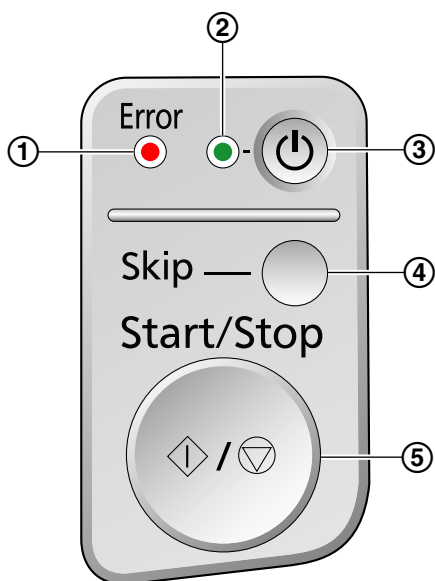
④ **Power cord**

Plugs may vary in shape depending on country/area.

⑤ **USB cable**

⑥ **USB connector**

Control Panel and LED Indicators



① **LED (Red)**

Shows the scanner's status.

② **LED (Green)**

Shows the scanner's status.

③ **Power key (⏻)**

④ **Skip key (Skip)**

- If you press this key when a double feed occurs, the document that was detected as a double feed will be scanned, and scanning will continue.
- If you press this key after a dog-eared document is detected and scanning pauses, the document will be scanned, and then ejected from the scanner. Scanning will continue after the dog-eared document is scanned and ejected.

⑤ **Start/Stop key (Start/Stop)**

- If you set [Wait Key] for "Manual Feed Mode"^{*1} in your application software, pushing this key starts scanning.
- During scanning, pushing this key stops scanning.
- If you press this key when a double feed occurs, the document that was detected as a double feed will not be scanned. Scanning will stop.
- If you press this key after a dog-eared document is detected and scanning pauses, the document will be ejected from the scanner without being scanned. Scanning will stop.

^{*1} For details on "Manual Feed Mode", refer to the help for ICP.

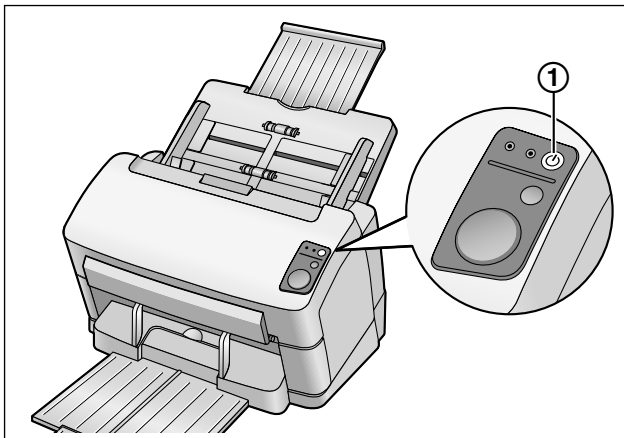
About LED

① LED (Red)	② LED (Green)	Status
OFF	OFF	Power is off. ^{*1}
OFF	ON	Ready
Blink (Slow)	ON	Caution
OFF	Blink (Fast)	Warming up
OFF	Blink (Slow)	Sleep
OFF	Blink (2 times consecutively)	Double feed detected error
OFF	Blink (3 times consecutively)	Dog-ear detected error
ON	OFF	Error

^{*1} If no operation is performed for 30 minutes or longer, the scanner will be turned OFF automatically. The time until the scanner turns OFF can be changed with the User Utility.

Turning on the Scanner Power

1. Press the power key (①) of the scanner to ON.



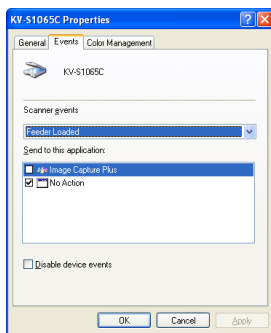
- The LED (Green) will blink, and then it will become steady.
- To turn OFF the scanner power, press and hold the power key for one second or more.

Starting the Scanner Applications Automatically

The scanner application can be configured to start automatically when pressing the Start/Stop key, and/or placing documents on the feed tray. To accomplish this, follow the steps below.

Setting the event

1. Click [Start], and then click [Control Panel].
2. Select your scanner in the [Scanners and Cameras], and then display the scanner property dialog box by right clicking on the scanner icon.
 - In Windows Vista, select your scanner in [Scanners and Cameras Properties], and then display the scanner property dialog box by clicking [Properties] button.
 - In Windows 7, select your scanner in [Devices and Printers], and then display the [Scan properties] dialog box by right clicking on the scanner icon.
3. Click the "Events" tab.
4. Select an event in the "Scanner events" list. The selected event activates a scanner application.

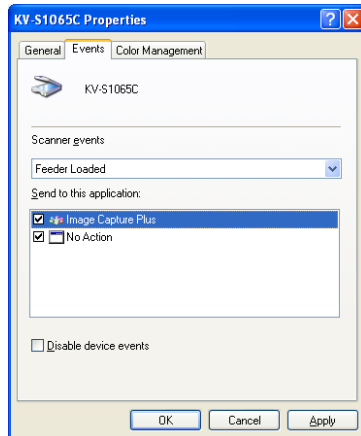


- The following events can be selected.

"Feeder Loaded"	An event occurs when placing documents on the feed tray.* ¹
"Start Button"	An event occurs when pressing the Start/Stop key of the scanner.

*¹ When the scanner is in Sleep mode, press the Start/Stop key to return it to Ready mode.

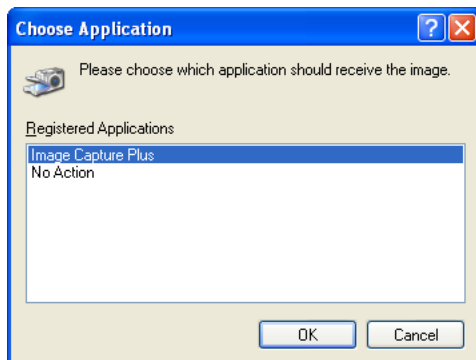
5. Select the check box of the desired scanner applications corresponding to the selected event in the "Send to this application" list.



- To disable the automatic activation of the scanner applications, set the "Disable device events" check box to on.
6. Click [OK].

Note

- When multiple applications are selected in the "Send to this application" list, the "Choose Application" dialog box will display, prompting you to select an application in the "Registered Applications" list. After an application has been selected, it starts. If only one application is selected, that application will be launched automatically.



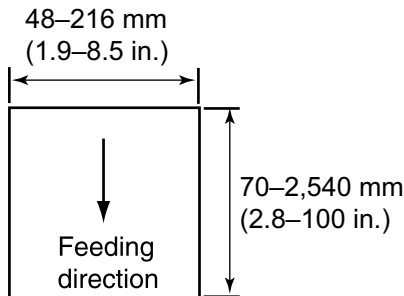
7. Restart your computer.

Preparing Documents

Acceptable Documents

The acceptable documents for this scanner are as follows.

Document size:



Paper thickness: 20–209 g/m² (5.4–55 lb.)

- The height of all the documents on the tray should be less than 7.5 mm (0.3 in.). This compares to 75 sheets (80 g/m² or 20 lb.) of new paper.
- With the exception of ISO format cards, the minimum guaranteed feeding length is 70 mm (2.8 in.).
- Single paper feeding is recommended for papers exceeding the legal size length.
- When thin documents of 40 g/m² (10.7 lb.) or less are scanned, we recommend that the feed speed is set to "Slow". The feed speed can be set to "Slow" in the TWAIN driver, the ISIS driver, or in Image Capture Plus. For details, refer to the help of each piece of software.

Recommended paper: Plain paper

Acceptable cards

ISO format card:

Size: 85.6 x 54 mm (3.4 x 2.1 in.)

Thickness: 0.76 mm (0.03 in.)

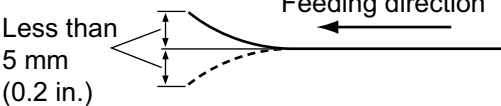
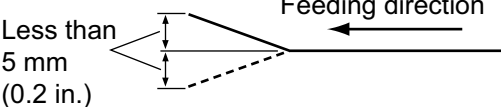
Embossed card is also acceptable.

- **A maximum of 3 cards can be loaded on the feed tray.**
The height of the total cards (the total thickness including the embossing on each card) should be less than 5 mm (0.2 in.). Additionally, the embossing on each card must not get entangled with others.
- **Use the landscape orientation when scanning an embossed card.**
If the scanning fails, place the card upside down, and then try again.
- **Use the mixed batch card guide (page 24) when scanning mixed media (cards and papers) at the same time.**

Unacceptable Documents

The following types of documents may not scan properly:

- Curled, wrinkled or folded documents
- Documents must also meet the following conditions.

Curl	
Folding	

- Carbon paper
- Thick or irregular documents such as envelopes
- Perforated or punched paper
- Non-rectangular or irregularly shaped paper, such as document with tags
- Coated paper
- Torn or frayed documents
- Extremely smooth, shiny paper, or paper that is highly textured
- Carbonless copy paper
- Transparent or partially transparent documents such as OHP sheet and tracing paper
- Photographs^{*1}

^{*1} Photographs may become scratched or damaged, etc.

Do not scan the following types of paper:

- Damaged or notched document/card
- Documents out of specified size, thickness, and weight
- Documents containing hard attachments such as metal or plastic (ex. clips or staples)
- Bound or glued documents
- Cloth and plastic films
- Document with wet ink or cinnabar seal ink
- Thermal or photosensitive paper
- OHP sheets, other plastic films, or metallic sheets

Notes about documents for scanning

- Depending on the paper type, scanning results may be poor when you scan unacceptable documents, or even documents that should be acceptable.
If a paper jam or double feeding occurs, try scanning again after doing the following:
 - Clean the rollers and sensors.
 - Reduce the number of sheets of paper loaded on the feed tray.
 - Use slow mode.
Slow mode can be used by enabling the slow mode of the TWAIN driver, the ISIS driver, or Image Capture Plus. For details, refer to the help of each piece of software.
 - When scanning a document using manual scanning, feed the document 1 page at a time.
- If paper jams occur at the exit slot, remove the exit guides and then scan the documents.
For details about removing the exit guides, refer to the step 4 in "Repacking Instructions".

Notes about double feed detection

- This scanner is equipped with an ultrasonic sensor to detect double feeding.
The width of documents that can be detected is 140 mm (5.5 in.) or larger.

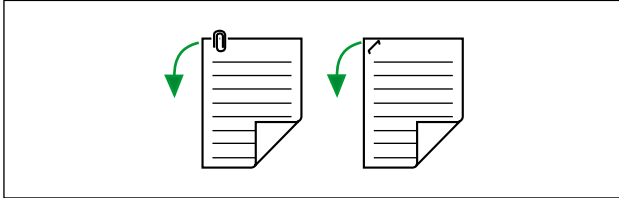
Notes about dog-ear detection

- This scanner is equipped with a dog-ear detection function.
Documents must be no larger than 210 mm (8.3 in.) in width and 355.6 mm (14 in.) in length in order to use dog-ear detection.

Scanning Documents

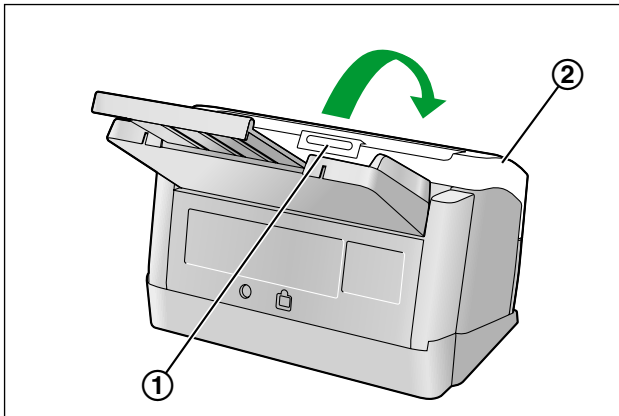
Notice

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



- Curled documents may cause a paper jam or damaging the document, therefore, set the document flat before scanning.
- When scanning important documents, confirm that the number of scanned images matches the number of pages in the document. Also, check the condition of scanned documents.
- Remove documents from the exit tray after they have been scanned.
- Unsupported thin paper types may not exit at the exit slot correctly.

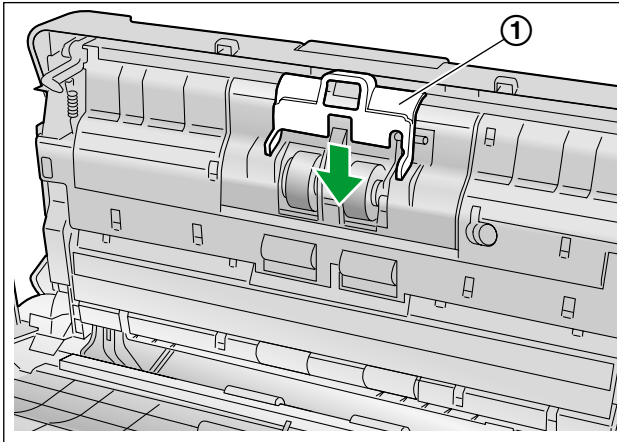
1. Press the door open button (①), and open the ADF door (②).



2. Use the manual feed selector (①) to select continuous scanning (Auto) or manual scanning (Manual).

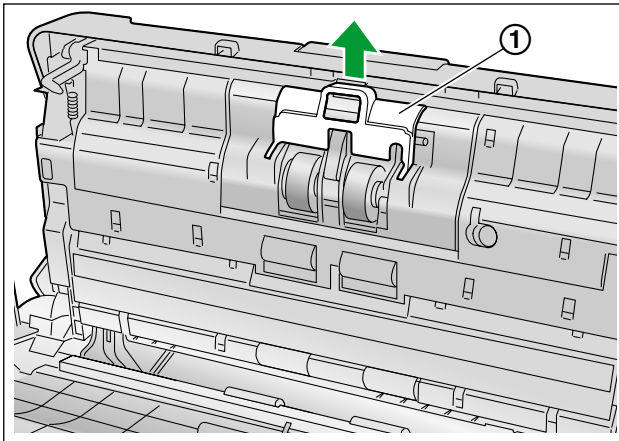
Continuous scanning (Auto)

Push the manual feed selector in the direction indicated by the arrow.



Manual scanning (Manual)

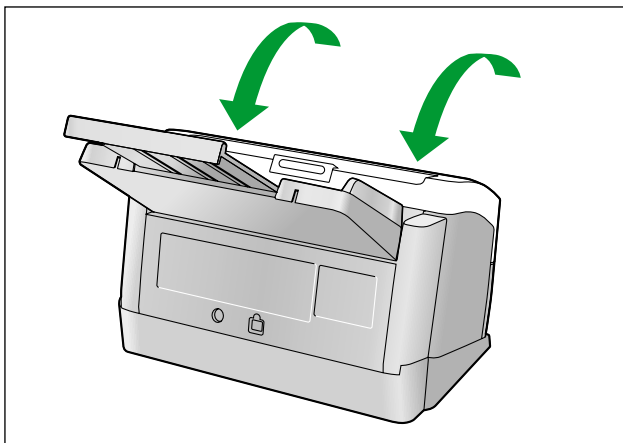
Pull the manual feed selector in the direction indicated by the arrow.



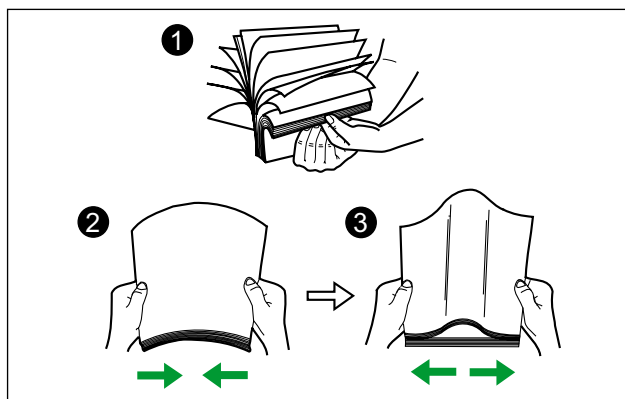
Notice

- When scanning a document manually (Manual), feed the document 1 page at a time.
- When scanning important documents or bound documents, feed them manually (Manual).
- When scanning a document manually (Manual), disable the double feed detection function. To disable the double feed detection function, set this function of the TWAIN driver, the ISIS driver or Image Capture Plus to disable. For details, refer to the help of each piece of software.

3. Close the ADF door.
 - Push both sides of the ADF door down slowly until it clicks into place.

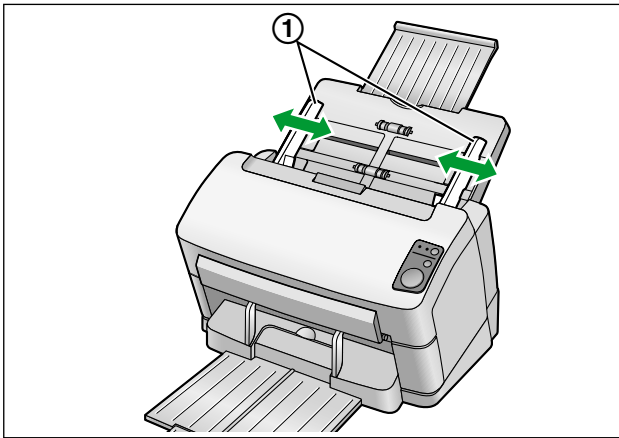


4. Fan the documents.
 - Documents that have been stapled together or stacked together (as in a file folder) will need to be separated.
 - ❶ Fan the stack of documents to separate all the edges.
 - ❷ Hold both ends and bend the documents as shown in the illustration.
 - ❸ To flatten the documents, hold firmly and pull them apart as shown in the illustration.



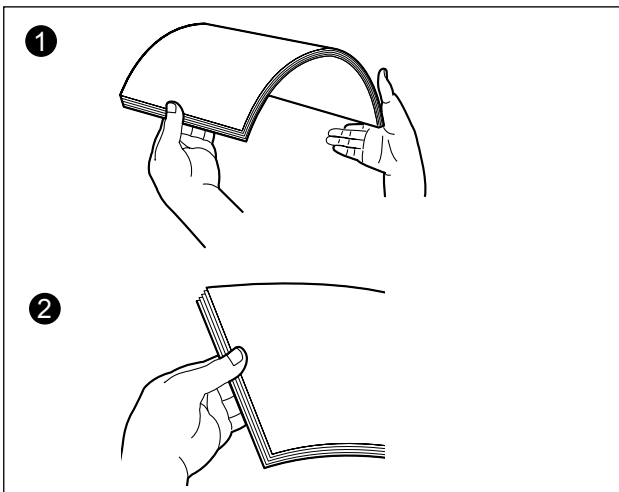
Repeat these steps as necessary.

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

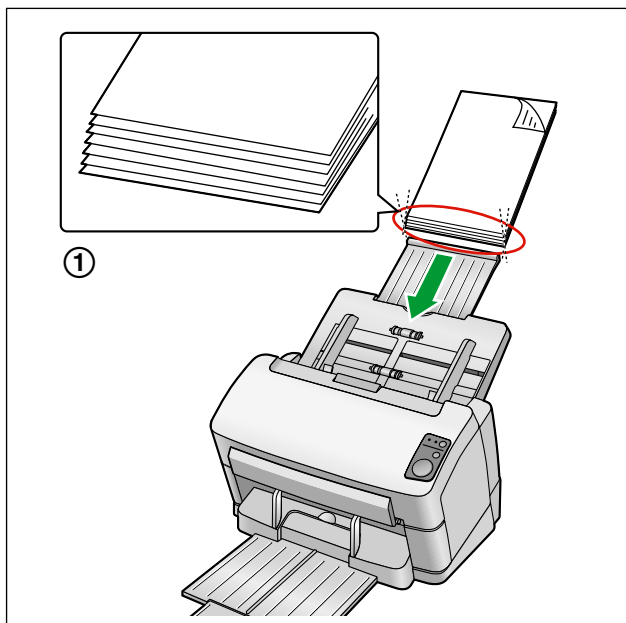


6. Carefully align the documents.

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

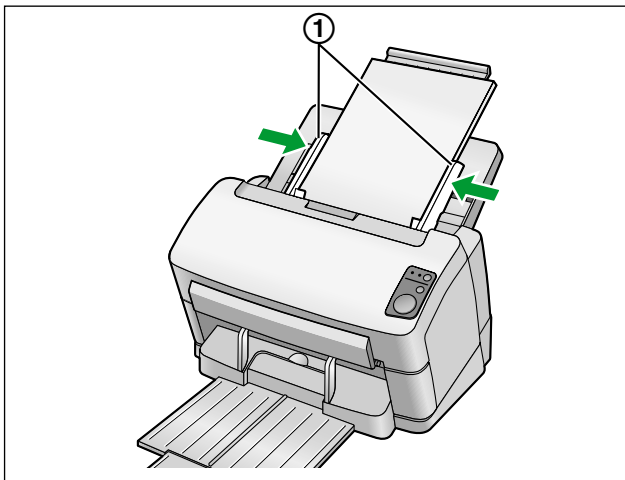


7. Place the documents on the feed tray with the side to be scanned facing down.
 - Set the leading edge of documents as shown in the illustration (①).

**Note**

- Place the documents as shown in the illustration.
- The height of all the documents on the tray should be less than 7.5 mm (0.3 in.). Exceeding this height might cause paper jams or skewing.

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



9. Open your scanning application^{*1} and scan the documents.

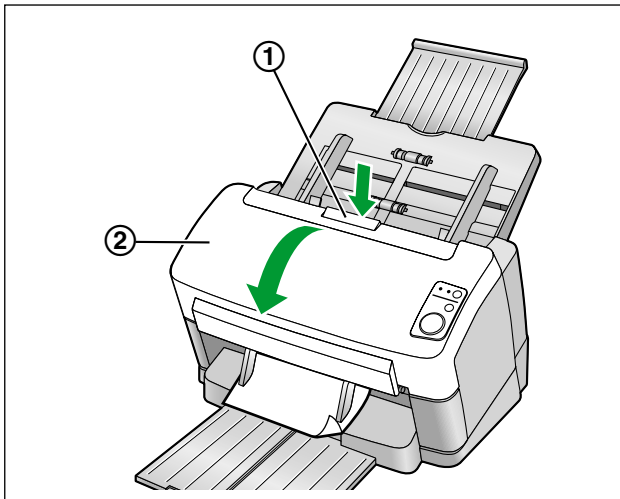
^{*1} The software Image Capture Plus (ICP), included with the scanner, can be used for scanning the documents.

Clearing Paper Jams

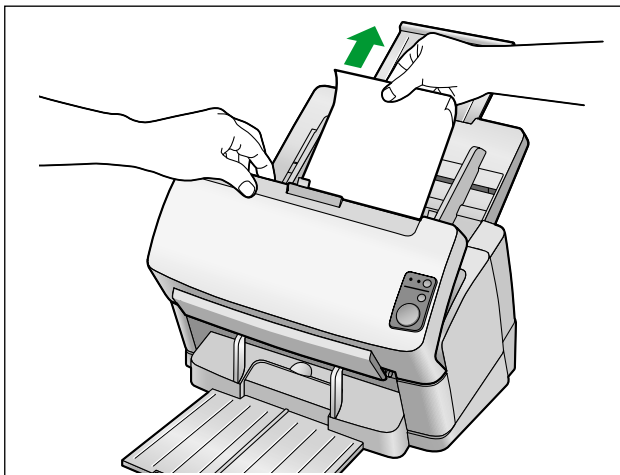
If a paper jam occurs, the message "A paper jam has occurred" and an error code (Uxx) is displayed in the User Utility application. Remove the jammed sheet according to the following instructions.

Removing paper jams from the feeding section

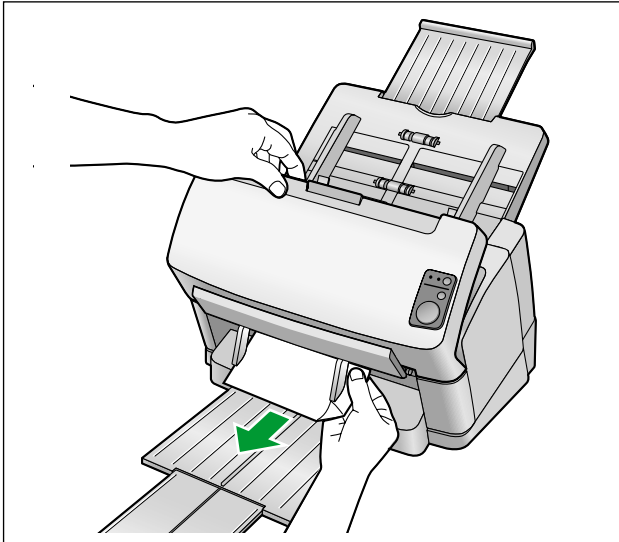
1. Remove all documents from the feed tray.
2. Press the door open button (①), and open the ADF door (②).



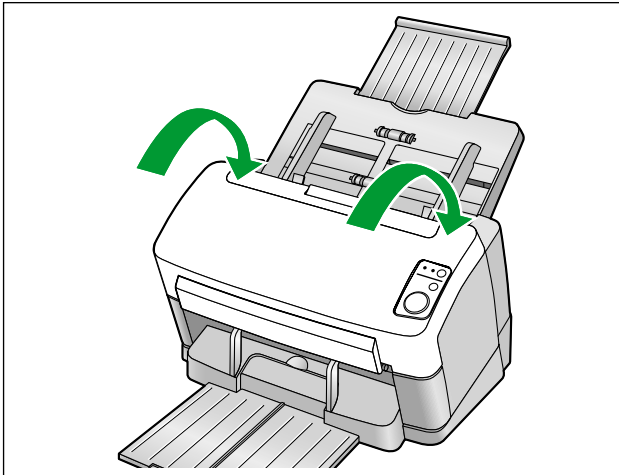
3. Remove the jammed document.
 - If the document is jammed in the feed tray area, pull it backwards as shown in the illustration.



- If the document is jammed in the exit area, pull it forward as shown in the illustration.



4. Close the ADF door.
 - Push both sides of the ADF door down slowly until it clicks into place.

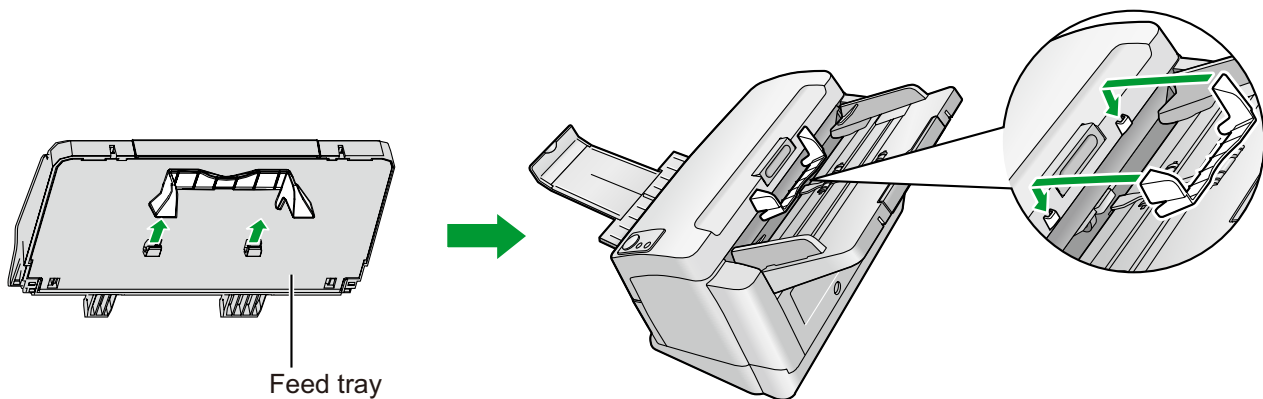


Mixed Batch Card Guide

No adjustment to the document guide is required when using the mixed batch card guide. The mixed batch card guide prevents a card from skewing when scanning paper documents and a card simultaneously.

Installing the mixed batch card guide

Install the mixed batch card guide as shown in the following illustration.



Using the mixed batch card guide

Set paper documents on the feed tray, and a card on the mixed batch card guide respectively.

- The card set on the mixed batch card guide is fed after completing the paper document scanning.
- The mixed batch card guide is suitable for the following card.

ISO format card:

Size: 85.6 x 54 mm (3.4 x 2.1 in.)

Thickness: 0.76 mm (0.03 in.)

Embossed card is also available.

- Set the card horizontally.

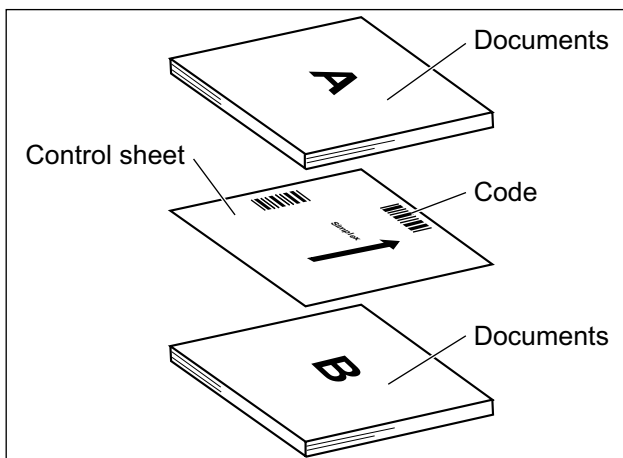
Note

- When using the mixed batch card guide, the document guides cannot be adjusted to less than A5 size.
- Set only one card at a time.
- Make sure that the total height of the paper on the feed tray does not exceed 2 mm (0.08 in.). This is equivalent to about 20 sheets at 80 g/m² or 20 lb.

Using Control Sheets

By using control sheets, you can change the scanning conditions in the middle of scanning. Placing a control sheet in the middle of a document lets you change the scanning conditions for all pages scanned after the control sheet.

Print out control sheets from the provided CD-ROM.



Control sheet functions

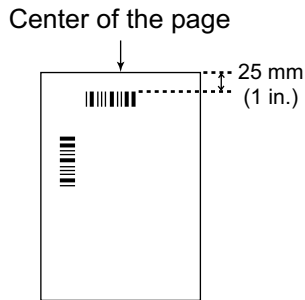
Simplex, Duplex, Binary, 256 level gray, Color, Dynamic Threshold, Dither, Error diffusion, Function #1–#9, Separation Sheet

Note

- Multiple control sheets can be used.
- To use control sheet functions, your scanning application must support control sheets. When using control sheets, refer to the instruction manual of your scanning application.

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. Scanning will not be performed properly.
- For details on control sheet and separation sheet, refer to section "Detect Control Sheet" in the help for PIE.

Printing control sheets

Note

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

1. Insert the CD-ROM into the CD/DVD drive on your computer.
 - If you have a feature called "Autorun" activated, the installation process will start automatically.
 - The setup window will appear.

Note

- If the AutoPlay dialog box is displayed in Windows Vista or Windows 7, select "CDRun.exe".
- If the program does not start automatically, from [My Computer] ([Computer] in Windows Vista or Windows 7), select the CD/DVD drive, and then double-click "CDRun.exe".

2. Select your scanner.
3. Select [Control Sheet] from the "Manuals" list on the right side of the screen.
4. Print the control sheets at the same size as your document.

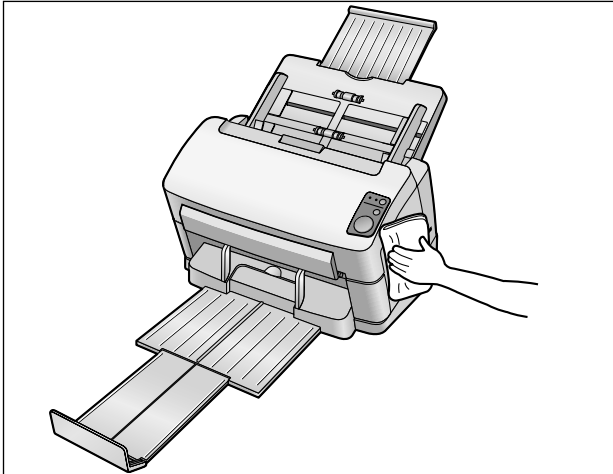
Cleaning the Scanner

Outside of the Scanner

Notice

- Do not use thinner, benzine, or cleaners containing abrasives or surfactants, for cleaning the outside of the scanner.
- Clean the scanner at least once a month.

1. Press and hold the power key for one second or more to turn off the scanner power.
2. Clean the cover with a soft cloth.

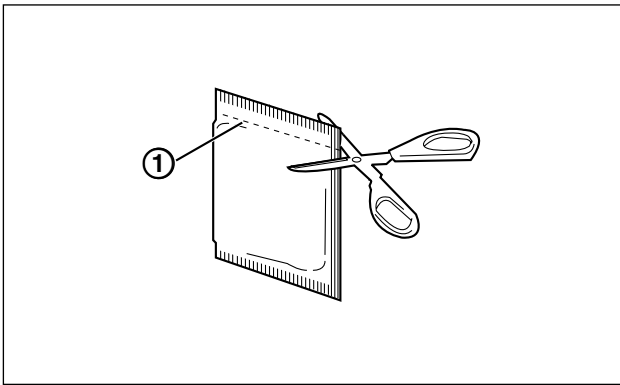


Inside of the Scanner

- Clean the scanner at least once a week or when 2,000 sheets have been scanned, whichever comes first.
- Clean the rollers and sensors if paper jamming or double feeding occurs frequently.
- If double feed detection does not function properly, clean the double feed detectors.
- Clean the scanning glass area and reference area when black or white lines appear on the scanned images.
- If the documents you are scanning are dirty, then the scanner parts will also become dirty. To maintain proper scanning, clean the scanner parts frequently.

About the roller cleaning paper (sold separately)

Open the roller cleaning paper on the dotted line (①), and take out the roller cleaning paper.



Notice

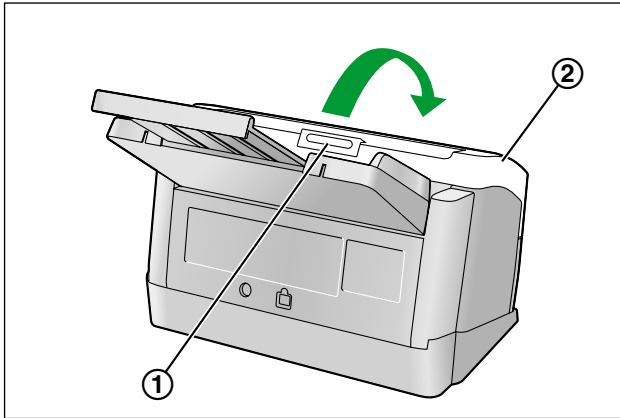
- Keep the roller cleaning paper out of reach of small children.
- Do not store the roller cleaning paper in direct sunlight or in a place with temperature over 40 °C (104 °F).
- Only use the roller cleaning paper to clean the rollers.
- For details about the roller cleaning paper, please refer to the Material Safety Data Sheet (MSDS). Please ask your Panasonic sales company about obtaining the Material Safety Data Sheet.

Note

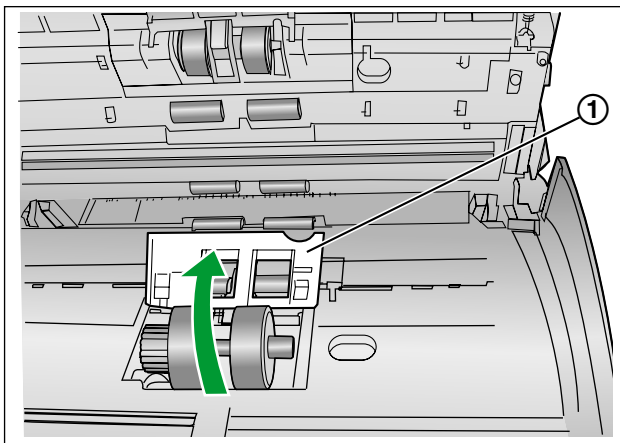
- If the bag is left opened for a long period of time before using it, the alcohol will evaporate. Please use the roller cleaning paper immediately after opening the bag.
- To purchase roller cleaning paper (KV-SS03), you can contact the dealer where the scanner was purchased, or you can call our Supplies and Accessories department at 1-800-726-2797 (U.S.A. only).

Cleaning the Rollers

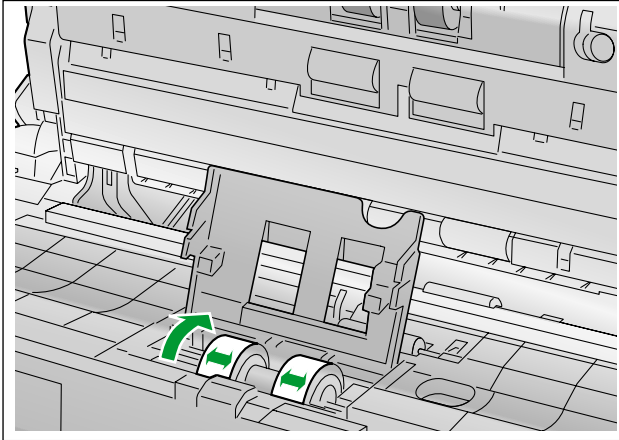
1. Press and hold the power key for one second or more to turn off the scanner power.
2. Press the door open button (①), and open the ADF door (②).



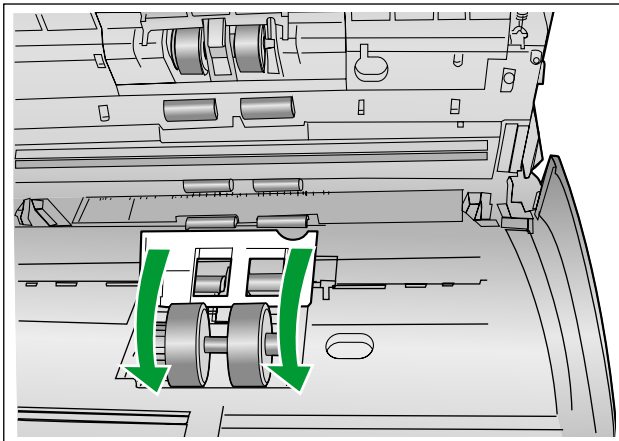
3. Open the paper feed roller cover (green) (①).



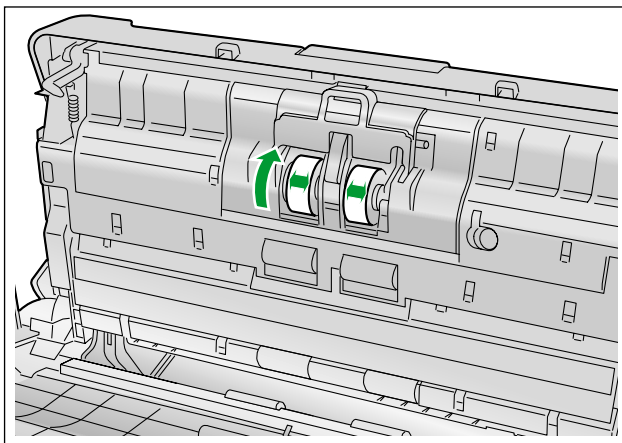
4. Use the separately sold roller cleaning paper (KV-SS03) to remove the dirt from the surface of all rollers.
 - When wiping off dirt from the roller surface, hold the roller to prevent it from rotating. Wipe the roller from one end to the other in the direction indicated by the arrow, all the way around, as shown in the illustration.



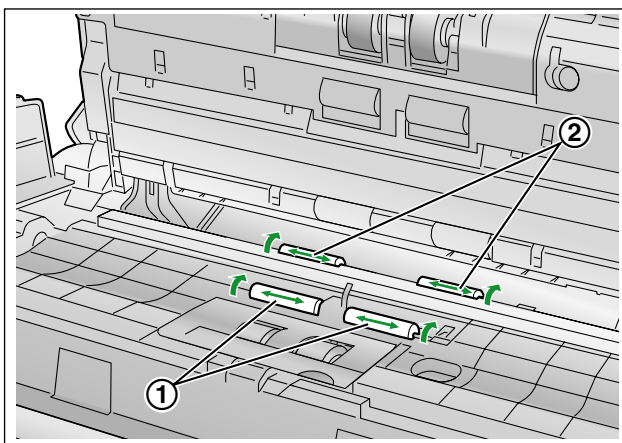
5. Close the paper feed roller cover (green) firmly.
 - Make sure to close both sides of the paper feed roller cover (green) until they click into place.



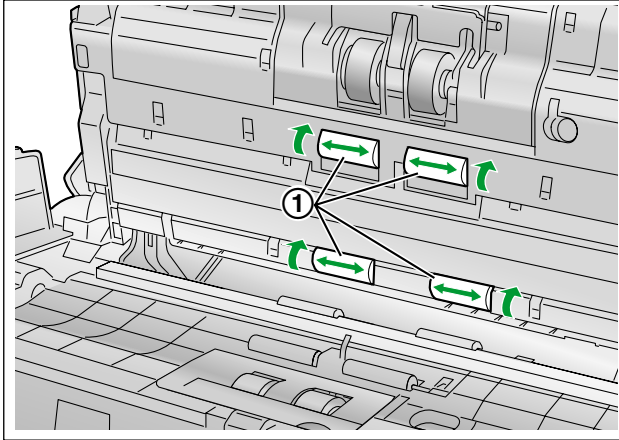
6. Use the roller cleaning paper to clean the surface of the double feed prevention roller.
 - Wipe the roller from one end to the other (in the direction of the arrow) all the way around them, as shown in the illustration.



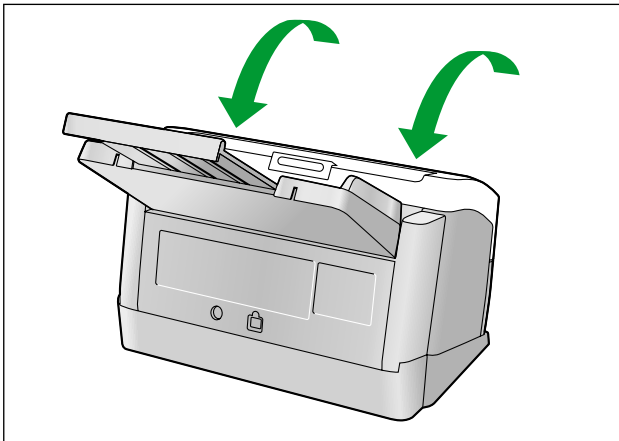
7. Use the roller cleaning paper to clean the surface of the conveyor rollers (①) and exit rollers (②).
 - Wipe the rollers from one end to the other (in the direction of the arrow) all the way around them, as shown in the illustration.



8. Use the roller cleaning paper to clean the surface of the free rollers (①).
 - Wipe the rollers from one end to the other (in the direction of the arrow) all the way around them, as shown in the illustration.



9. Close the ADF door.
 - Push both sides of the ADF door down slowly until it clicks into place.



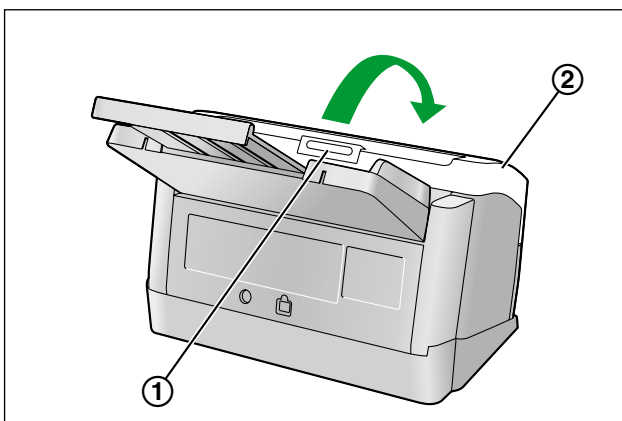
10. Reset the roller cleaning counter in User Utility to 0.
 - Turn ON the scanner power.
 - Start User Utility, and in the window, click the [Clear Counter] button for "After Clean Roller" to reset to counter to 0.
 - For details, refer to the User Utility help.

Cleaning the Scanning glass, Reference area, and Double feed detectors

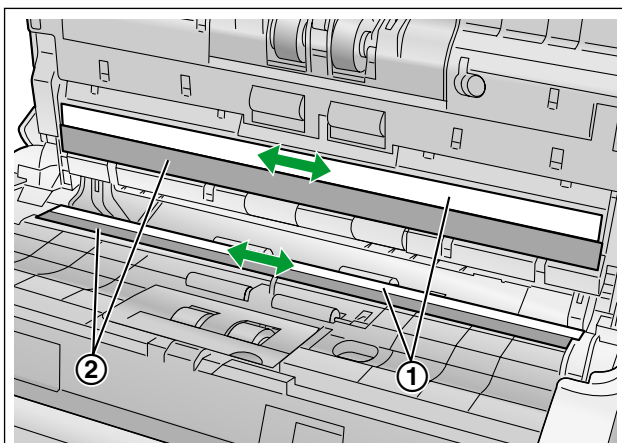
Notice

- Do not use the roller cleaning paper for cleaning the scanning glass, reference area, or double feed detectors.

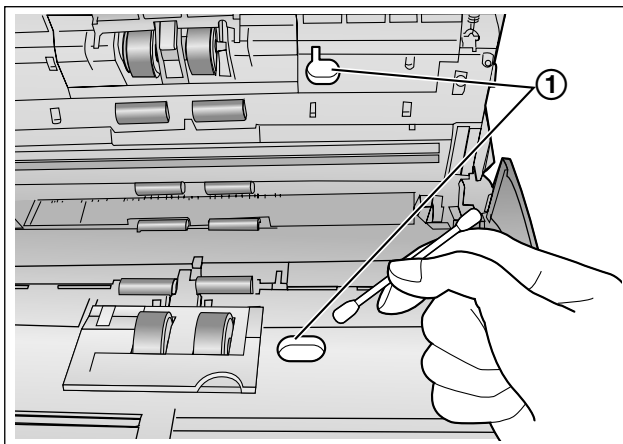
1. Press and hold the power key for one second or more to turn off the scanner power.
2. Press the door open button (①), and open the ADF door (②).



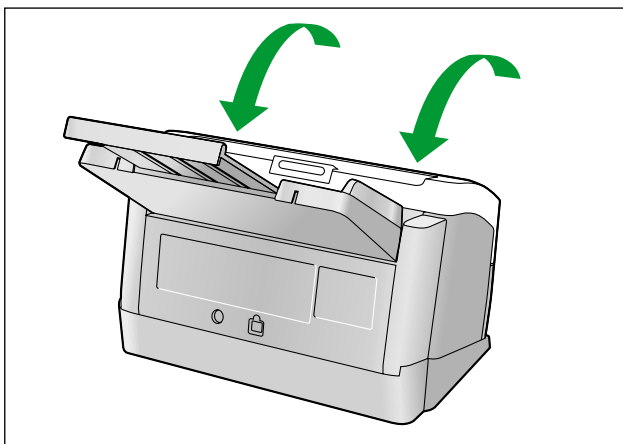
3. Clean the scanning glass area (①) and reference area (②) using a soft and dry cloth.



4. Remove dust on the double feed detectors (①) with a cotton swab.



5. Close the ADF door.
 - Push both sides of the ADF door down slowly until it clicks into place.



Replacement Parts and Optional Units

	Part Name	Part Number	Notes
Replacement Parts	Roller exchange kit <ul style="list-style-type: none">Paper feed roller (1 piece)Double feed prevention roller (1 piece)	KV-SS058	—
Optional Units	Roller cleaning paper	KV-SS03	See "About the roller cleaning paper (sold separately)" (page 28).

Note

- To purchase replacement parts or optional units, please contact your dealer.

The double feed prevention roller and the paper feed roller are consumables. Please purchase the "Roller exchange kit (KV-SS058)", and replace each roller periodically.

The usable life of each roller is as follows.

- Paper feed roller / Double feed prevention roller:
100,000 sheets

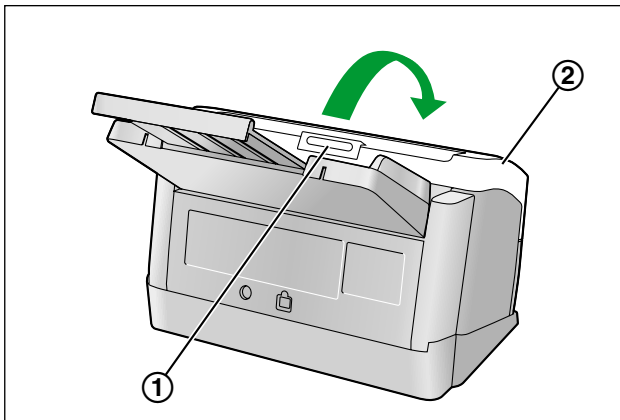
The scanner counter can be confirmed by using the User Utility.

Replacing Parts

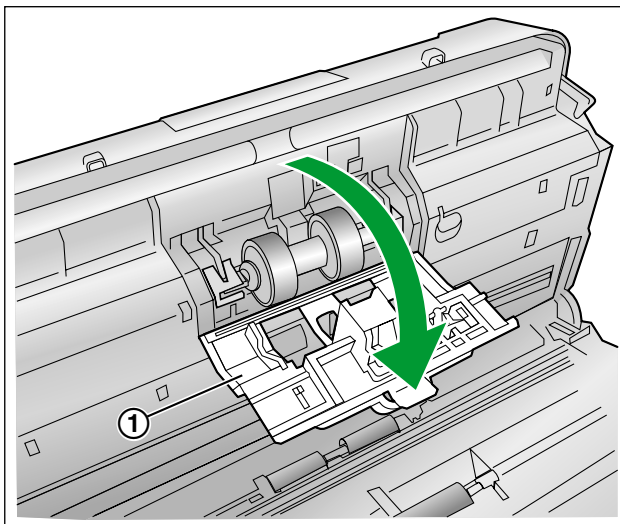
If double feeding or paper jam occurs frequently even after cleaning the roller (page 29), please call your dealer to order a "Roller exchange kit (KV-SS058)", and replace the double feed prevention roller, and paper feed roller.

Replacing the Rollers

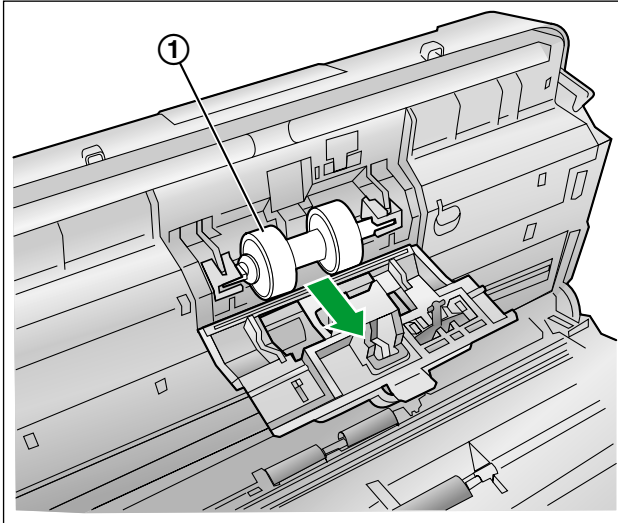
1. Press and hold the power key for one second or more to turn off the scanner power.
2. Press the door open button (①), and open the ADF door (②).



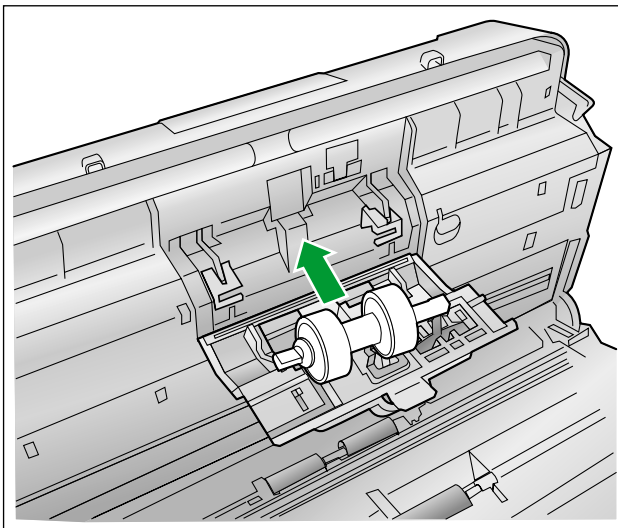
3. Open the double feed prevention roller cover (green) (①).



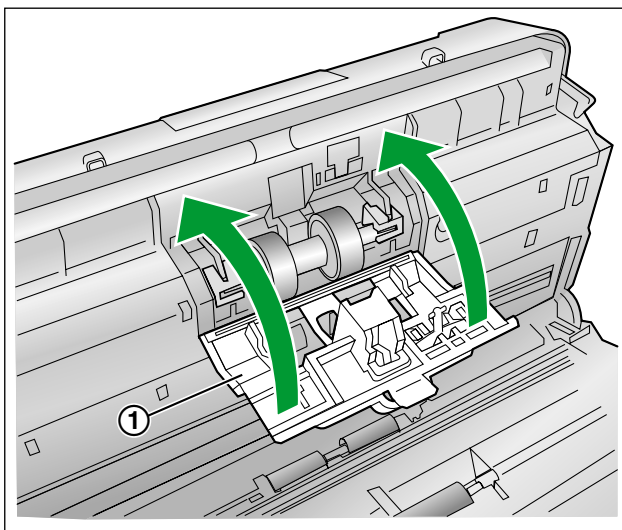
4. Remove the double feed prevention roller (①).



5. Take out the new double feed prevention roller in the optional "Roller exchange kit (KV-SS058)".
6. Install the new double feed prevention roller into the metal holder with the longer groove facing to the right-side (rear view).



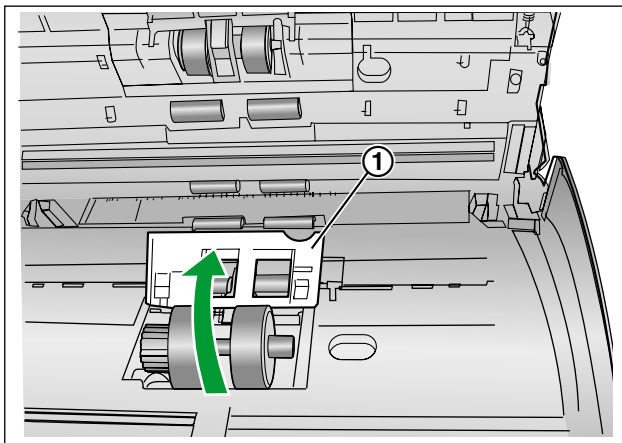
7. Close the double feed prevention roller cover (green) (①) firmly.



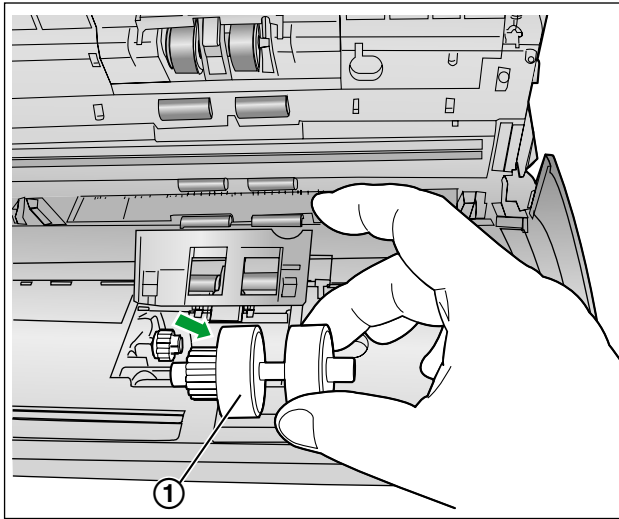
Notice

- Be sure to close the double feed prevention roller cover until it clicks into place.

8. Open the paper feed roller cover (green) (①).

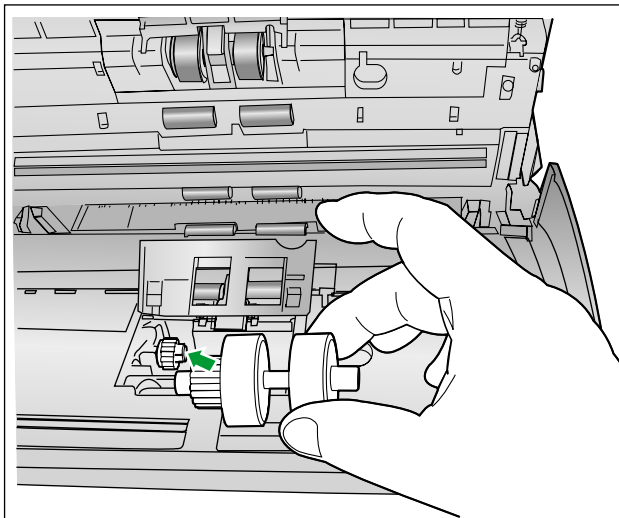


9. Remove the paper feed roller (①).

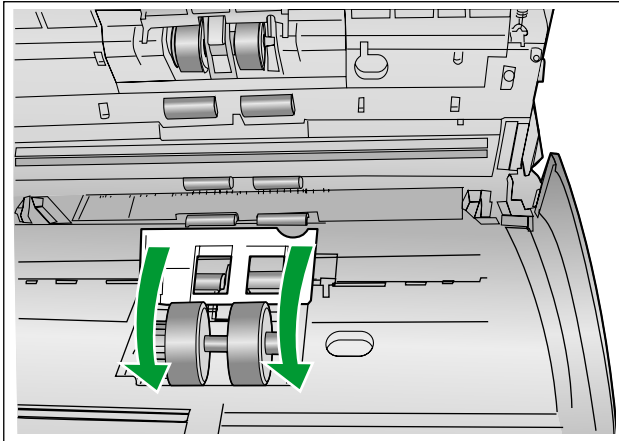


10. Take out the new paper feed roller in the optional "Roller exchange kit (KV-SS058)".

11. Install the new paper feed roller with the gear on the left side.



12. Close the paper feed roller cover (green) firmly.

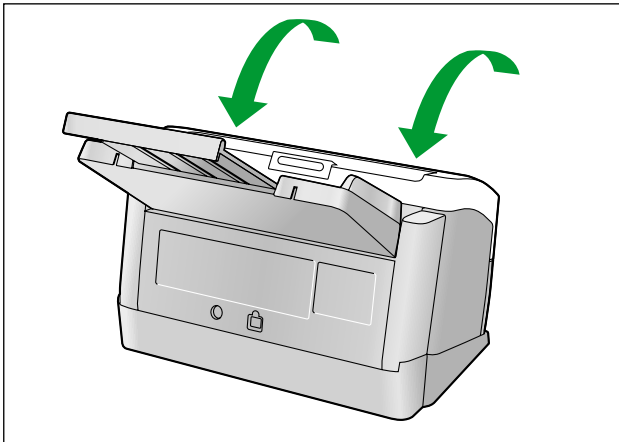


Notice

- Make sure to close both sides of the paper feed roller cover (green) until they click into place.
- After installing the paper feed roller, confirm that the paper feed roller can rotate in the feeding direction.

13. Close the ADF door.

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



14. Reset the roller replacing counter in User Utility to 0.

- Turn ON the scanner power.
- Start User Utility, and in the window, click the [Clear Counter] button for "After Replace Roller" to reset the counter to 0.
- For details, refer to the User Utility help.

Troubleshooting

If a problem occurs while the scanner is being used, check the following items and check the scanner status with User Utility. If the unit still malfunctions, turn it OFF, unplug the power cord from the AC outlet, and call for service.

Symptom	Possible Cause	Remedy
The ready indicator does not light when the power key is turned ON.	The power cord is not plugged in.	Insert the power plug firmly.
	Problem with the AC adaptor.	Unplug the power cord from the AC outlet, and call for service.
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 correctly.
	The software is not installed correctly.	Uninstall the software from the computer, and then install the software again. (Refer to "Installing Software" in the Installation Manual.)
	The USB interface of the computer is not installed correctly.	Check the computer whether the USB interface of your computer is installed correctly using the device manager's property.
	The scanner is connected to the computer via a USB hub, and the USB hub is not functioning well.	Do not connect via the USB hub. Connect the unit to the computer directly.
	There is a problem with the USB cable.	Use the included USB cable or a certified Hi-speed USB 2.0 cable.
	The power of the unit is turned OFF because no operation was performed for a certain period of time.	Press the power key to turn ON the scanner power.
Scan speed is slow.	The scanner is connected over a USB 1.1 connection.	Connect over USB 2.0.
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 17)
	The sensor cannot detect the document as the edge of the document is curled.	Flatten the document (page 15) and load it again (page 17).

Symptom	Possible Cause	Remedy
Double feeding occurs frequently or the scanner stops loading while scanning.	The rollers are dirty.	Clean the rollers. (page 29)
	The paper feed roller, or double feed prevention roller have become worn down.	Replace the paper feed roller or double feed prevention roller. (page 36)
	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 17) and load it again after reducing the pages.
	The document is printed on an unsupported type of paper or thick paper.	Make a copy of the document on paper of an acceptable type and thickness (page 14), and scan the copy.
	The length of the paper is too short.	Make a copy of the document on paper of an acceptable size (page 14), and scan the copy.
	The scanning method is set to manual.	Select automatic scanning using the manual feed selector. (page 7)
	The double feed detection function is enabled though the scanning method is set to manual.	Disable the double feed detection function.
	The document is not aligned correctly.	Realign the document. (page 19)
	The document set on the feed tray has too many pages.	Remove pages from the document until it is under the limit mark on the document guides.
Paper jams occur frequently.	The document is wrinkled.	Smooth out the document.
	The rollers are dirty.	Clean the rollers. (page 29)
	The document is not aligned correctly.	Realign the document. (page 19)
	The document set on the feed tray has too many pages.	Remove pages from the document until it is under the limit mark on the document guides.
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 19)
	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 15) and load it again after reducing the pages.

Symptom	Possible Cause	Remedy
The scanned document is blank.	The document to be scanned was loaded upside down.	Load the document correctly. (page 17)
Vertical lines appear on the scanned document.	The scanning glass is dirty.	Clean the scanning glass. (page 33)
The scanning density is uneven.	The scanning glass is dirty.	Clean the scanning glass. (page 33)
The color of the scanned document is extremely different from the original document.	The settings of the computer monitor are wrong.	Adjust the computer monitor settings.
Dark spots or noise appear on the scanned documents.	The scanning glass is dirty.	Clean the scanning glass. (page 33)
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, and perform scanning again.
When you scan short documents, the sound made by paper being ejected will be higher than usual.	If the length of a document is less than about 148 mm, feeding speed control will be activated for exiting documents; this is normal behavior.	—

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

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.

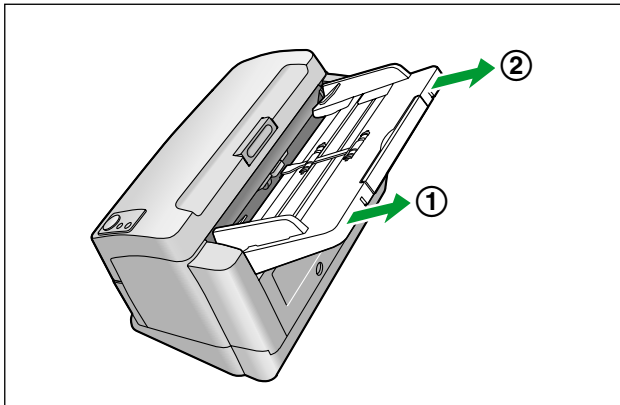
Note

- 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.

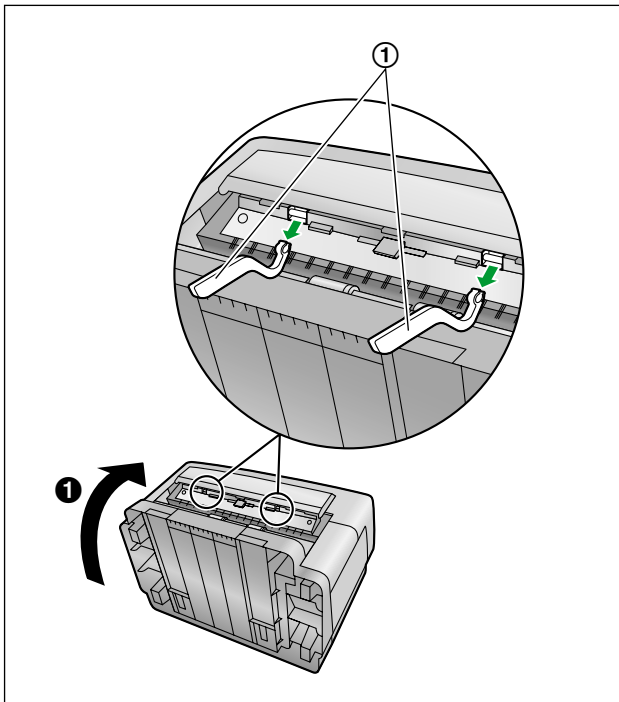
Required Materials

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

1. Press and hold the power key for one second or more to turn off the scanner power.
2. Unplug the power cord from the outlet, and remove the AC adaptor and USB cable from the scanner.
3. Remove the feed tray from the scanner.
 - Lift up the feed tray to unlock, and then pull the left (①) and right (②) sides out of the scanner in that order.

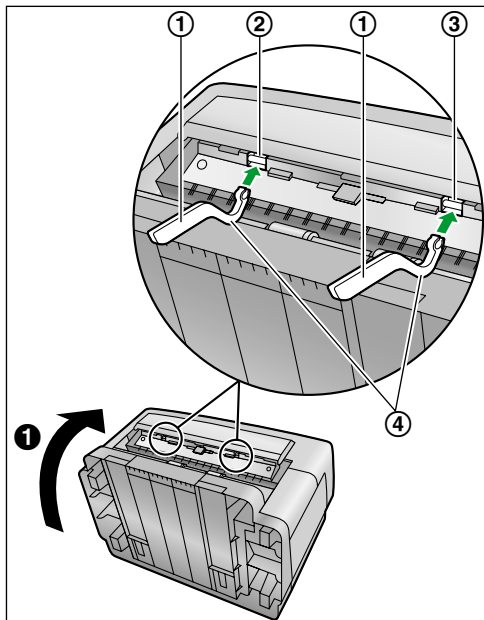


4. Remove the exit guides (①) from the scanner.
 - Tilt the scanner up and set it on its back side (❶), and then remove the exit guides.

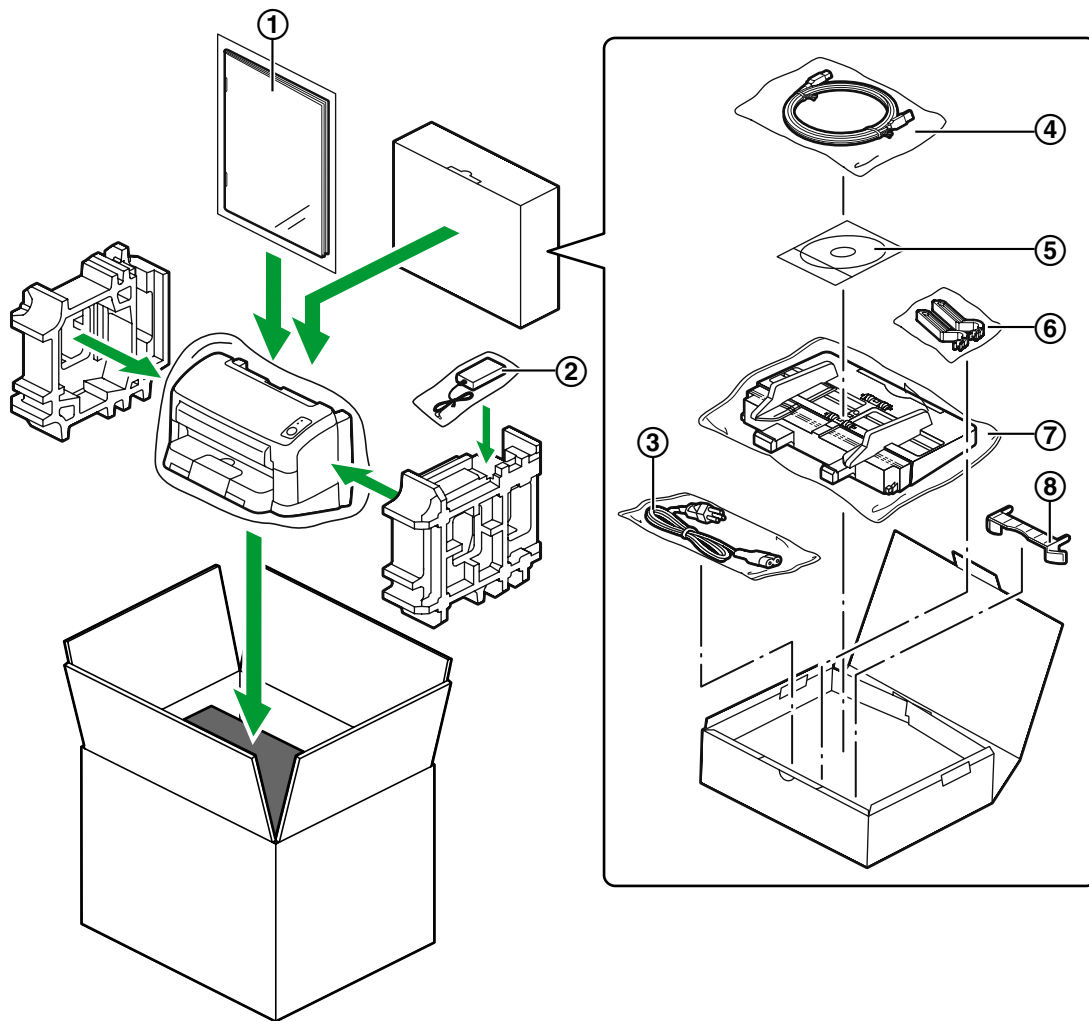
**Note**

- Attach the exit guides (①) in the following manner:
 - Tilt the scanner up and set it on its back side (❶), and then attach the exit guides into the 2 grooves (② and ③).

- Attach the exit guides with the rounded area facing downwards as shown (④).



5. Put the USB cable, CD-ROM, feed tray, exit guides, power cord, and mixed batch card guide into the accessory box.

6. Pack the scanner.

- ① Installation Manual
- ② AC adaptor
- ③ Power cord
- ④ USB cable
- ⑤ Drivers & Utilities / Manuals CD-ROM
- ⑥ Exit guides
- ⑦ Feed tray
- ⑧ Mixed batch card guide

Specifications

Item			KV-S1065C	KV-S1046C
Scanning	Scanning face		Duplex	
	Scanning method		Color CIS (600 dpi) Background: Black	
	Scanning size		216 mm (8.5 in.)	
	Scanning speed ^{*1} (portrait, 200 dpi)	Binary	Simplex Letter: 60 pages/min. A4: 60 pages/min. Duplex Letter: 120 images/min. A4: 120 images/min.	Simplex Letter: 45 pages/min. A4: 45 pages/min. Duplex Letter: 90 images/min. A4: 90 images/min.
		Color	Simplex Letter: 60 pages/min. A4: 60 pages/min. Duplex Letter: 120 images/min. A4: 120 images/min.	Simplex Letter: 45 pages/min. A4: 45 pages/min. Duplex Letter: 90 images/min. A4: 90 images/min.
	Resolution		100–600 dpi (1 dpi step) Optical: 300 dpi / 600 dpi (Automatic switch)	
	Tonal gradation		Binary, Grayscale, Color, MultiStream: Binary & Grayscale, Binary & Color	
	Image control		Image emphasis, Dynamic threshold, Automatic separation, Invert, Mirror, White level from paper, Automatic brightness adjustment, Automatic image emphasis	
	Compression		JPEG (color, grayscale)	
	Paper	Size	48 × 70 mm (1.9 × 2.8 in.) to 216 × 2,540 mm (8.5 × 100 in.) ^{*2}	
		Thickness	0.04 – 0.2 mm (1.6–7.9 mils) Note: 1 mil = 0.001 in.	
		Weight	20–209 g/m ² (5.4–55 lb.)	
	Card ^{*3}	Size	85.6 × 54 mm (3.4 × 2.1 in.)	
		Thickness	0.76 mm (0.03 in.)	

Item			KV-S1065C	KV-S1046C
Scanning	Feed tray capacity		75 sheets (80 g/m ² [20 lb.] New Paper)	
	Exit tray capacity		75 sheets (80 g/m ² [20 lb.] New Paper)	
	Life ^{*4}		500,000 sheets	
	Roller replacement ^{*4}		100,000 sheets	
	Maintenance		Clean the rollers, sensors, and scanning glass once a week or every 2,000 sheets scanned.	
Scanner	External dimensions (Width×Depth×Height)		317 × 209 × 196 mm (12.5 × 8.2 × 7.7 in.) (When the exit tray is closed and without the feed tray)	
	Weight		4.0 kg (8.8 lb.)	
	Power requirement		External power supply (AC adaptor) AC100–240 V, 50/60 Hz	
	Power consumption	Scanning mode (Maximum)	25 W	
		Minimum (Ready)	8 W	
		Sleep mode	1.0 W or less	
		When the power key is OFF	0.3 W or less (While the AC adaptor is connected to the AC outlet)	
Operating Environment			Temperature:15–30 °C (59–86 °F), Humidity: 20–80 % RH	
Storage Environment			Temperature: 0–40 °C (32–104 °F), Humidity: 10–80 % RH	

^{*1} The scanning speed differs depending on the host computer, operating system, application, measuring method, the data quantity of the image, and paper type. The scanning speed was measured using a proprietary method.

^{*2} Although you can specify other paper sizes, scanning quality cannot be guaranteed.

^{*3} Embossed card is also available.

^{*4} The life of the scanner and the rollers is the estimated value when using the A4 or Letter sized standard paper (64 g/m² or 80 g/m² [20 lb.]). It may vary depending on the kinds of paper, usage and cleaning intervals.

"Weight in pounds" of paper represents the weight of 500 (432×559 mm [17×22 in.]) sheets.

Index

A

AC adaptor 8, 47
ADF door 7

C

Card 48
Cleaning
 Cleaning outside of the scanner 27
 Cleaning the rollers 29
 Scanning glass, reference area, and Double feed detectors 33
Cleaning the scanner 27
Compression 48
Control Panel 7, 9
Control sheets 25

D

Document guides 7
Documents
 Acceptable documents 14
 Scanning documents 17
 Unacceptable documents 15
Dog-ear detection 16
Door open button 7
Double feed detection 16
Double feed detectors 28, 34
Drivers & Utilities / Manuals CD-ROM 47

E

Exit extension tray 7
Exit guides 7, 45, 47
Exit stopper 7
Exit tray 7
Exit tray capacity 49
External dimensions 49

F

Feed extension tray 7
Feed tray 7, 47
Feed tray capacity 49

I

Image control 48
Installation Manual 47

L

LED 9
LED (Green) 7, 9
LED (Red) 7, 9

Life 49

M

Maintenance 49
Manual feed selector 7, 18
Mixed batch card guide 8, 47

O

Operating Environment 49

P

Paper 48
Paper jams 22
Power connector 8
Power consumption 49
Power cord 8, 47
Power key 9, 11
Power requirements 49
Precautions 5

R

Repacking 44
Replacement parts 35
Replacing parts 36
Resolution 48
Roller cleaning paper 5, 28, 35
Roller exchange kit 35
Roller replacement 49
Rollers
 Double feed prevention roller 36
 Paper feed roller 36

S

Scanning face 48
Scanning lamps 7
Scanning method 48
Scanning speed 48
Security slot 7
Skip key 9
Specifications 48
Start/Stop key 9
Storage Environment 49

T

Tonal gradation 48
Troubleshooting 41

U

USB cable 8, 47
USB connector 8
User Utility 32, 40

W

Weight 49

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