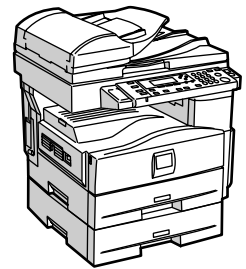


Operating Instructions

General Settings Guide



-
- 1** Getting Started
 - 2** Combined Function Operations
 - 3** User Tools (System Settings)
 - 4** Troubleshooting
 - 5** Other Functions
 - 6** Specifications

Read this manual carefully before you use this machine and keep it handy for future reference. For safe and correct use, be sure to read the Safety Information in the "Copy Reference" before using the machine.

Introduction

This manual contains detailed instructions and notes on the operation and use of this machine. For your safety and benefit, read this manual carefully before using the machine. Keep this manual in a handy place for quick reference.

Important

Contents of this manual are subject to change without prior notice. In no event will the company be liable for direct, indirect, special, incidental, or consequential damages as a result of handling or operating the machine.



Notes:

Some illustrations in this manual might be slightly different from the machine.

Certain options might not be available in some countries. For details, please contact your local dealer.



Laser Safety:

This machine is considered a class 1 laser device, safe for office/EDP use. The machine contains a 5-milliwatt, 760-800 nanometer wavelength, GaAIAs laser diode. Direct (or indirect reflected) eye contact with the laser beam might cause serious eye damage. Safety precautions and interlock mechanisms have been designed to prevent any possible laser beam exposure to the operator.

The following label is attached on the back side of the machine.



Caution:

Use of controls or adjustments or performance of procedures other than those specified in this manual might result in hazardous radiation exposure.

Notes:

Certain types might not be available in some countries. For details, please contact your local dealer.

Two kinds of size notation are employed in this manual. With this machine refer to the metric version.

For good copy quality, the supplier recommends that you use genuine toner from the supplier.

The supplier shall not be responsible for any damage or expense that might result from the use of parts other than genuine parts from the supplier with your office products.

Power Source

220 - 240 V, 50/60 Hz, 4 A or more

Please be sure to connect the power cord to a power source as above. For details about power source, see "Power Connection" in the Copy Reference.

Manuals for This Machine

The following manuals describe the operational procedures of this machine. For particular functions, see the relevant parts of the manual.

Note

- Manuals provided are specific to machine type.
- Adobe Acrobat Reader is necessary to view the manuals as a PDF file.

❖ **General Settings Guide (this manual)**

Provides an overview of the machine and describes System Settings (paper trays, Key Operator Tools, etc.), and troubleshooting.

❖ **Network Guide**

Describes procedures for configuring the machine and computers in a network environment.

❖ **Copy Reference**

Describes operations, functions, and troubleshooting for the machine's copier function.

❖ **Printer/Scanner Reference**

Describes system settings, functions, troubleshooting and operations for the machine's printer and scanner function.

❖ **Other Manuals**

- Manuals for This Machine
- Safety Information
- Quick Reference Copy Guide
- Quick Reference Printer / Scanner Guide

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 - Microsoft[®] Windows[®] 2000 Advanced Server
- The product names of Windows[®] XP are as follows:
 - Microsoft[®] Windows[®] XP Home Edition
 - Microsoft[®] Windows[®] XP Professional
- The product names of Windows Server[™] 2003 are as follows:
 - Microsoft[®] Windows Server[™] 2003 Standard Edition
 - Microsoft[®] Windows Server[™] 2003 Enterprise Edition
 - Microsoft[®] Windows Server[™] 2003 Web Edition
- The product names of Windows NT[®] 4.0 are as follows:
 - Microsoft[®] Windows NT[®] Workstation 4.0
 - Microsoft[®] Windows NT[®] Server 4.0

Information about Installed Software

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<http://expat.sourceforge.net/>

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JPEG LIBRARY

- The software installed on this product is based in part on the work of the Independent JPEG Group.

SASL

CMU libsasl

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How to Read This Manual

Symbols

The following set of symbols is used in this manual.

WARNING:

This symbol indicates a potentially hazardous situation that might result in death or serious injury when you misuse the machine without following the instructions under this symbol. Be sure to read the instructions, all of which are described in the Safety Information section.

CAUTION:

This symbol indicates a potentially hazardous situation that might result in minor or moderate injury or property damage that does not involve personal injury when you misuse the machine without following the instructions under this symbol. Be sure to read the instructions, all of which are described in the Safety Information section.

* The statements above are notes for your safety.

Important

If this instruction is not followed, paper might be misfed, originals might be damaged, or data might be lost. Be sure to read this.

Preparation

This symbol indicates information or preparations required prior to operating.

Note

This symbol indicates precautions for operation, or actions to take after abnormal operation.

Limitation

This symbol indicates numerical limits, functions that cannot be used together, or conditions in which a particular function cannot be used.

Reference

This symbol indicates a reference.

[]

Keys that appear on the machine's display panel.

[]

Keys built into the machine's control panel.

ENERGY STAR Program

ENERGY STAR® Program



The ENERGY STAR® Program encourages energy conservation by promoting energy efficient computers and other office equipment.

The program backs the development and dissemination of products that feature energy saving functions.

It is an open program in which manufacturers participate voluntarily.

Targeted products are computers, monitors, printers, facsimiles, copiers, scanners, and multi-function devices. Energy Star standards and logos are internationally uniform.

- **Low Power mode**
This product automatically lowers its power consumption 1 minute after finishing the last copy or print job. Printing is still possible in Low Power mode, but to make copies, you have to press the operation switch first.
For details about how to change the interval between last job and Low Power mode, see p.25 "Energy Saver Timer".
- **Off mode (Copier only)**
To conserve energy, this product automatically turns off 1 minute after finishing the last copy or print job. In this manual, the Off mode is called the Auto Off mode.
For details about how to change the interval between last job and Auto Off mode, see p.25 "Auto Off Timer".
- **Sleep mode (Printer, or scanner installed)**
If there is a printer, or scanner unit installed, this product automatically lowers its power consumption even further 1 minute after finishing the last copy or print job. Printing is still possible in Sleep mode, but to make copies, you have to press the operation switch first.
For details about how to change the interval between last job and Sleep mode, see p.25 "Auto Off Timer".

Note

- If you want to operate this product while it is in either of these modes, do one of the following:
 - Turn on the operation switch.
 - Place originals in the ARDF.
 - Lift the exposure glass cover or ARDF.

- Duplex Priority

To conserve paper, the Duplex function (1-Sided → 2-Sided) can be selected preferentially when you turn on the operation switch or the main power switch, press the **[Clear Modes]** key, or the machine resets itself automatically. To change Duplex Mode Priority, see *Copy Reference*.

Specifications

		Copier only	Printer, or scanner installed
Low Power mode	Power consumption	25 W	30 W
	Default interval	1 minute	1 minute
	Recovery time	Less than 10 seconds	Less than 10 seconds
Sleep mode	Power consumption	-	Less than 10 W
	Default interval	-	1 minute
	Recovery time	-	Less than 10 seconds
Off mode	Power consumption	less than 1 W	-
	Default interval	1 minute	-
	Recovery time	Less than 10 seconds	-

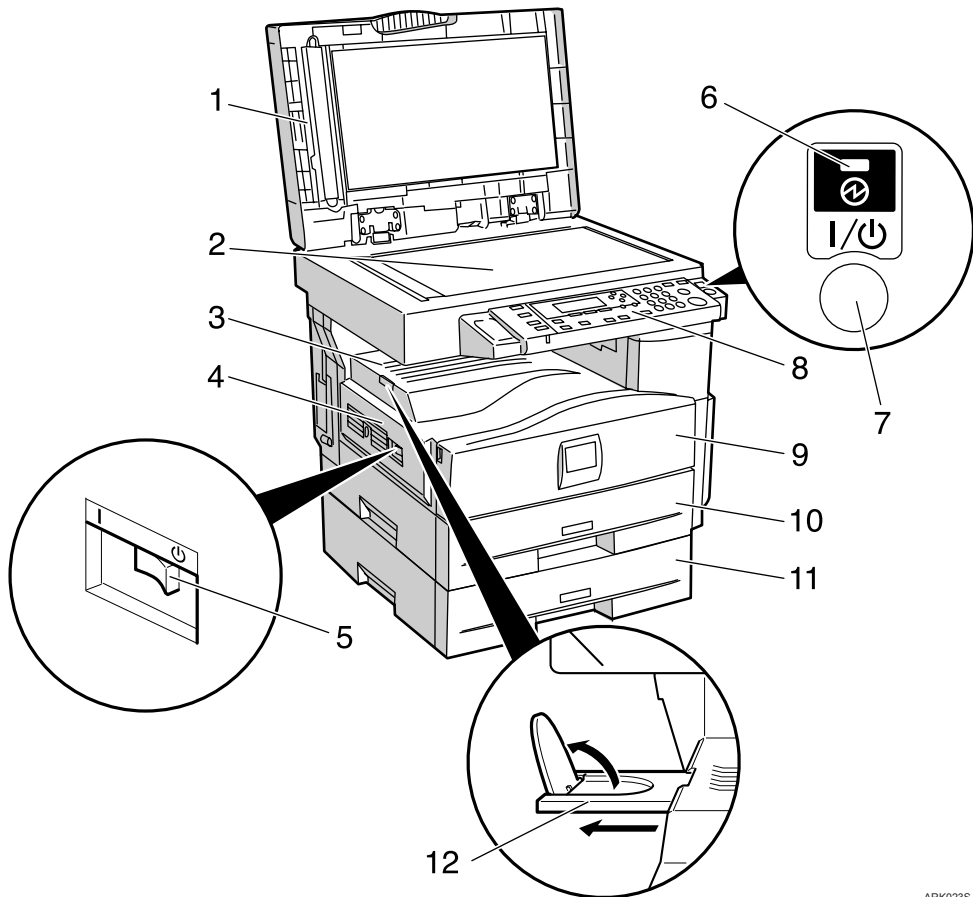
Duplex Priority	1 Sided → 1 Sided
-----------------	-------------------

Recycled Paper

We recommend use of recycled paper which is environmentally friendly. Please contact your sales representative for recommended paper.

1. Getting Started

Guide to Components



1. Exposure glass cover (optional) or ARDF (optional).

See p.13 "External Options"

2. Exposure glass

Place originals here face down.

3. Internal tray

Copied or printed paper is delivered here.

4. Ventilation holes

Prevents overheating. Do not obstruct the ventilation holes by placing objects near them or leaning things against them. If the machine overheats, a fault might occur.

5. Main power switch

If the machine does not operate after turning on the operation switch, check the main power switch is turned on. If it is off, turn it on.

ARK023S

6. Main power indicator

Lights when the main power switch is turned on, and goes off when the switch is turned off.

7. Operation switch (On indicator)

Press to turn the power on (the On indicator lights). To turn the power off, press again (the On indicator goes off).

8. Control panel

See p.14 "Control Panel".

9. Front cover

Open to access the inside of the machine.

10. Paper tray (Tray 1)

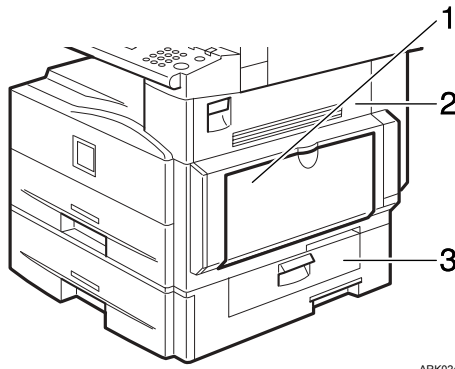
Load paper here.

11. Paper tray unit (optional)

See p.13 "External Options".

12. Internal tray guide

Open out to support large paper and raise the end fence.



ARK024S

1. Bypass tray

Use to copy onto OHP transparencies, adhesive labels, translucent paper, envelopes, and custom size paper.

2. Right cover

Open this cover to remove jammed paper fed from the paper tray.

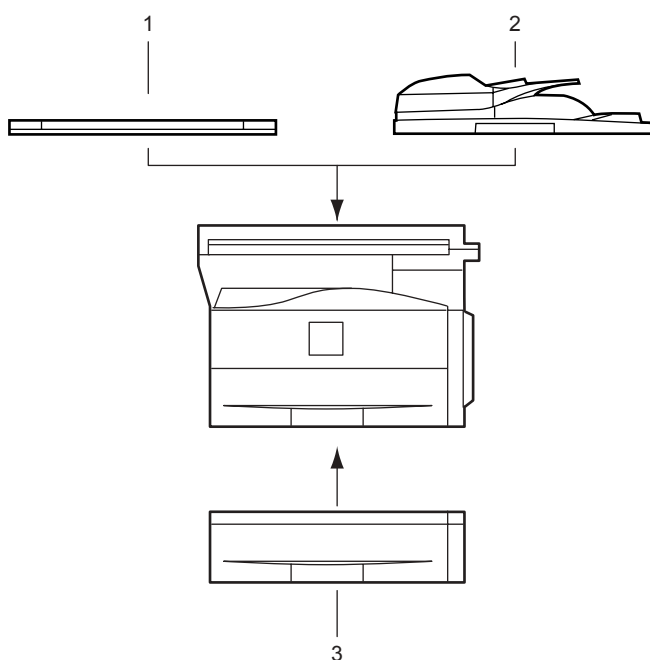
3. Lower right cover

Open this cover to remove jammed paper from the optional paper tray unit.

Options

External Options

1



ARK025S

1. Exposure glass cover

Lower this cover over originals.

2. ARDF

Place stacks of originals here.

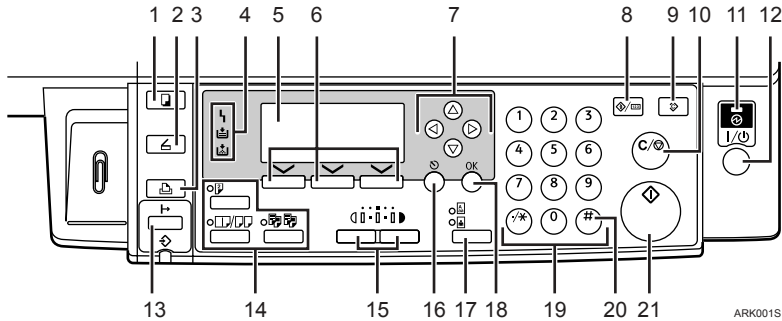
They will feed in automatically. This document feeder can be used for two-sided originals.

3. Paper tray unit (Tray 2)

Holds 500 sheets.

Control Panel

This illustration shows the control panel of the machine with options fully installed.



1. [Copy] key

Press to activate the copy function.

2. [Scanner] key



Press to activate the scanner function.


3. [Printer] key


Press to activate the printer function.

4. Indicators

Display errors and machine status.

: Error indicator. See *Network Guide* and see p.35 “ Clearing Misfeeds”.

: Load Paper indicator. See *Copy Reference*.

: Add Toner indicator. See *Copy Reference*.

5. Display

Displays operation status and messages.


6. Selection keys

Correspond to items on the display. Press to select the corresponding item.

7. Scroll keys

Press to select an item.

: scroll upward

: scroll downward

: scroll right

: scroll left

8. [User Tools/Counter] key

- User Tools
Press to change default or operation parameters according to requirement. See p.21 “Accessing User Tools (System Settings)”.

- Counter
Press to check or print the counter value. See p.41 “Other Functions”.

9. [Clear Modes] key

Press to clear the current settings.

10. [Clear/Stop] key

- Clear:
Clears an entered numeric value.
- Stop:
Stops a job in progress, such as scanning, or printing.

11. Main power indicator

The main power indicator lights when the main power switch is turned on.

Important

- Do not turn off the main power switch while the On indicator is lit or blinking. Doing so may damage the memory.

12. Operation switch (On indicator)

Press to turn the power on. The On indicator lights. To turn the power off, press again.

13. [On Line] key**🔍 Reference***Printer/Scanner Reference***14. Copier function keys****🔍 Reference***Copy Reference***15. [Lighter] and [Darker] keys**

Press to change the image density setting. Select the image density in five increments, Lighter to Darker.

16. [Escape] key

Press to cancel an operation or return to the previous display.

17. [Original Type] key

Press to select the original type registered in [Original Type 1 (Text)] or [Original Type 2 (Photo)]. When the original type is selected, the corresponding indicator lights.

18. [OK] key

Press to set a selected item or an entered numeric value.

19. Number keys

Press to enter numeric values.

20. [#] key

Press to set a selected item or an entered numeric value.

21. [Start] key

Press to start copying, printing, or scanning or sending.

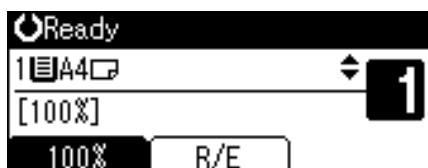
Display

The display panel shows machine status, error messages, and function menus.

🚨 Important

❑ A force or impact of more than 30 N (about 3 kgf) will damage the display.

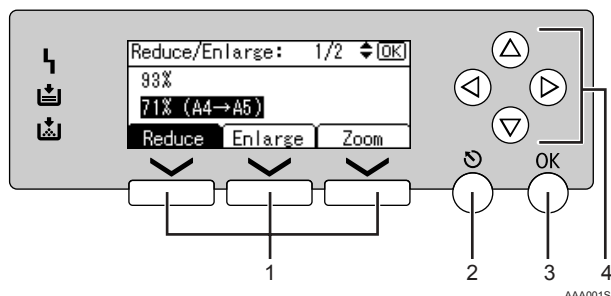
The copy display is set as the default screen when the machine is turned on.



When you select or specify an item on the display, it is highlighted like **100%**.

Reading the Display and Using Keys

This section explains how to read the display and use the Selection keys.



1. Selection keys

Correspond to items at the bottom line on the display.

Example: The Copy display

- When the instruction “press **[Reduce]**” appears in this manual, press the left selection key.
- When the instruction “press **[Enlarge]**” appears in this manual, press the centre selection key.
- When the instruction “press **[Zoom]**” appears in this manual, press the right selection key.

2. [Escape] key

Press to cancel an operation or return to the previous display.

3. [OK] key

Press to set a selected item or an entered numeric value.

4. Scroll keys

Press to move the cursor in each direction, step by step.

When the **[▲]**, **[▼]**, **[◀]**, or **[▶]** key appears in this manual, press the scroll key of the same direction.

Common key operations

The following keys are common to all screens:

❖ Key list

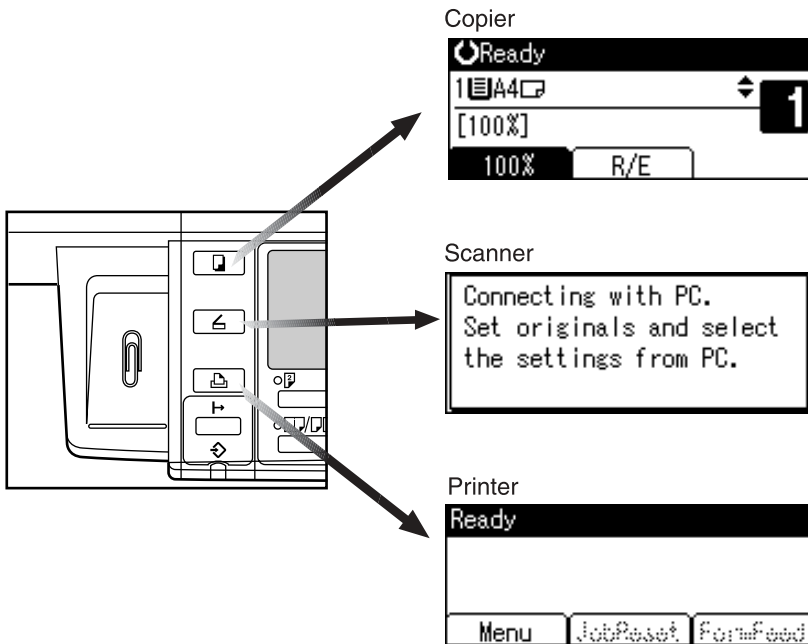
[Cancel]	Deletes a selected function or entered values, and then the previous display returns.
[Exit]	The previous display returns.
[Stop]	Stops a job in progress.
[Yes]	Acknowledges a selected function or an entered values.
[Stop]	Cancels a selected function or entered values, and then the previous display returns.

2. Combined Function Operations

Changing Modes

Note

- You cannot switch modes in any of the following situations:
 - During immediate transmission
 - When accessing User Tools
 - While scanning an original
- The copying screen is displayed as default when the power is turned on. You can change this default setting. See p.23 “Function Priority”.



ARK003S

System Reset

The machine returns automatically to its initial condition when the job is finished, after a certain period of time has elapsed. This function is called “System Reset”.

Note

- You can change the System Reset time. See p.26 “System Auto Reset Timer”.

Multi-Access

You can carry out another job using a different function while the current job is being performed. Performing multiple functions simultaneously like this is called “Multi-accessing”.

This allows you to handle jobs efficiently, regardless of how the machine is being used. For example:

- You can make copies while receiving printer data.
- While printing, you can make operations for copying.

 **Note**

❑ See p.23 “Print Priority” for setting function priority. As default, **[Display mode]** is set to first priority.

 **Function compatibility**

The chart shows function compatibility when print priority is set to “Interleave”. See p.23 “Print Priority”.

Mode before you select		Mode after you select		Printer		Scanner	
		Using the control panel	Copying	Receive Data	Print	Using the control panel	Scanning
Copy	Using the control panel	×	×	○	○	●	●
	Copying	×	×	○	○	●*1	●*1
Printer	Receive Data	○	○	△	△	○	○
	Print Printing	○	○	△	△	○	○
Scanner	Using the control panel	●	●	○	○	×	△
	Scanning	×	×	○	○	△	×

○...means that these functions can be used together.

●...means that you can interrupt the current job with Function keys to proceed to a subsequent job.

△...means that another job will automatically start after the current job is finished.

×...means that you must manually start another job after the current job is finished (i.e., these functions cannot be used together).

*1 You can scan a document once the preceding job documents are all scanned.



3. User Tools (System Settings)

User Tools Menu (System Settings)

Reference

For details about parallel interface, see *Printer/Scanner Reference*.

❖ General Features (See p.23 “General Features”.)

	Default (MFP)	Default (Copier only)
Panel Key Sound	<i>On</i>	
Copy Count Display	<i>Up</i>	
Function Priority	<i>Copier</i>	
Print Priority	<i>Display mode</i>	
Display Contrast	<i>Centre</i>	
Key Repeat	<i>On</i>	
Measurement Unit	Metric version: <i>mm</i>	
	Inch version: <i>inch</i>	

❖ Tray Paper Settings (See p.24 “Tray Paper Settings”.)

	Default (MFP)	Default (Copier only)
Paper Size: Tray 1	Metric version: <i>A4</i> <input type="checkbox"/>	
	Inch version: <i>8½" × 11"</i> <input type="checkbox"/>	
Paper Size: Tray 2	Metric version: <i>A4</i> <input type="checkbox"/>	
	Inch version: <i>8½" × 11"</i> <input type="checkbox"/>	
Paper Type: Bypass Tray	<i>Thick Paper</i>	
Ppr Tray Priority:Copier	<i>Tray 1</i>	
Ppr Tray Priority:Printer	<i>Tray 1</i>	

❖ Timer Settings (See p.25 “Timer Settings”.)

	Default (MFP)	Default (Copier only)
Auto Off Timer	<i>1 min.</i>	
Energy Saver Timer	<i>1 min.</i>	
System Auto Reset Timer	<i>60 sec.</i>	
Copier Auto Reset Timer	<i>60 sec.</i>	

❖ **Key Operator Tools (See p.26 “Key Operator Code”.)**

		Default (MFP)	Default (Copier only)
User Code Man.:Copier		<i>Off</i>	<i>Off</i>
Key Counter Management		<i>All Off</i>	<i>Off</i>
Key Operator Code		<i>Off</i>	
Display /Print Counter		—	
Counter per User Code	Display	—	—
	Print	—	—
	Clear	—	—
Program/Change User Code	Program		—
	Change		—
	Delete		—
AOF (Always On)		<i>On</i>	

Accessing User Tools (System Settings)

This section is for key operators in charge of this machine.

User Tools allow you to change or set defaults.

 **Note**

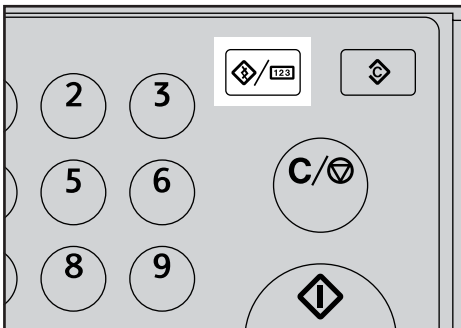
- Operations for system settings differ from normal operations. Always quit User Tools when you have finished. See p.22 “Quitting User Tools”.
- Any changes you make with User Tools remain in effect even if the main power switch or operation switch is turned off, or the **[Clear Modes]** key is pressed.

Changing Default Settings

 **Note**

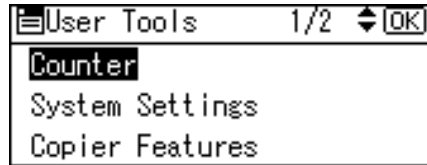
- If a key operator code is already set, the key operator code entry display appears. Enter the key operator code, and then press the **[OK]** key. See p.27 “Key Operator Code”.

1 Press the **[User Tools/Counter]** key.

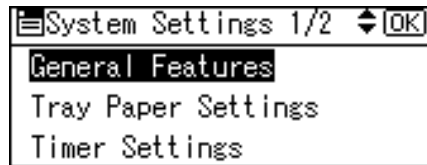


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2 Select **[System Settings]** using **[▲]** or **[▼]**, and then press the **[OK]** key.



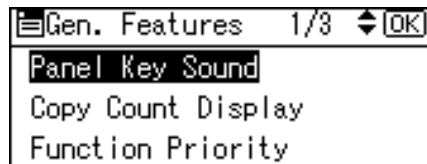
3 Select the menu using **[▲]** or **[▼]**, and then press the **[OK]** key.



 **Reference**

p.19 “User Tools Menu (System Settings)”.

4 Select the item using **[▲]** or **[▼]**, and then press the **[OK]** key.



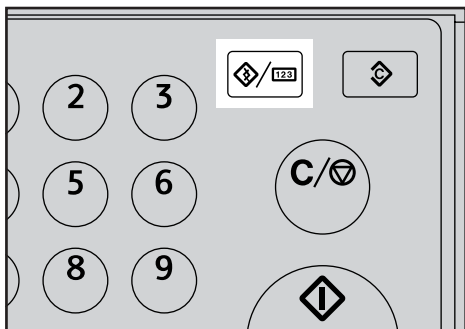
5 Change settings by following instructions on the display, and then press the **[OK]** key.

 **Note**

- To cancel changes made to settings and return to the initial display, press the **[User Tools/Counter]** key.

Quitting User Tools

1 Press the [User Tools/Counter] key.



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3

Settings You Can Change with User Tools

Reference

To access User Tools, see p.21 “Accessing User Tools (System Settings)”.

General Features

❖ Panel Key Sound

The beeper (key tone) sounds when a key is pressed.

Note

Default: *On*

❖ Copy Count Display

The copy counter can be set to show the number of copies made (count up), or the number of copies yet to be made (count down).

Note

Default: *Up (count up)*

❖ Function Priority

You can specify the mode to be displayed immediately after the operation switch is turned on, or when System Reset mode is turned on.

Note

Default: *Copier*

❖ Print Priority

Set the print priority for each mode.

Reference

p.18 “Multi-Access”

Note

Default: *Display mode*

When **[Interleave]** is selected, the current print job will be interrupted after a maximum of five sheets.

❖ Display Contrast

You can adjust the brightness of the display.

❖ Key Repeat

You can select whether or not to use the key repeat function.

Note

Default: *On*

❖ **Measurement Unit**

You can switch the measurement between “mm” and “inch”.

 **Note**

Default:

- Metric version: *mm*
- Inch version: *inch*

Tray Paper Settings

3

❖ **Paper Size: Tray 1–2**

Select the size of the paper loaded in the paper tray.

- The paper sizes you can set for Tray 1 is as follows:
A4 , B5JIS , A5 , 8¹/₂" × 11" , 5¹/₂" × 8¹/₂" , 16K
- The paper sizes you can set for Tray 2 is as follows:
A4 , 8¹/₂" × 14" , 8¹/₂" × 13" , 8¹/₄" × 14" , 8¹/₄" × 13" , 8¹/₂" × 11"

 **Important**

- If the specified paper size differs from the actual size of the paper loaded in the paper tray, a misfeed might occur because the correct paper size was not detected.

 **Note**

Default:

- Tray 1
 - Metric version: A4
 - Inch version: 8¹/₂" × 11"
- Tray 2
 - Metric version: A4
 - Inch version: 8¹/₂" × 11"

 **Reference**

p.37 “Changing the Paper Size”

❖ **Paper Type: Bypass Tray**

Set the display so you can see what type of paper is loaded in the bypass tray.

- The paper types you can set for the bypass tray are as follows:
 - thick paper, OHP

 **Note**

Default: *Thick Paper*

- Paper types you can set in the bypass tray for machines with the copy function only are plain paper, thick paper and OHP.

❖ Ppr Tray Priority: Copier (copier)

You can specify the tray to supply paper for output.

 Note

Default: *Tray 1*

❖ Ppr Tray Priority: Printer (printer)

You can specify the tray to supply paper for output.

 Note

Default: *Tray 1*

Timer Settings

❖ Auto Off Timer

After a specified period has passed, following job completion, the machine automatically turns off, in order to conserve energy. This function is called “Auto Off”.

The machine status after the Auto Off operation is referred to as “Off mode”, or “Sleep mode”. For the Auto Off Timer, specify the time to elapse before Auto Off.

 Note

Default: *1 min.*

The time can be set from 1 to 240 minutes, using the number keys.

From “Off mode” or “Sleep mode”, the machine is ready to use within 10 seconds.

Auto Off may not work when error messages appear.

❖ Energy Saver Timer

The machine automatically enters Low Power mode automatically after a job is finished, and the selected time elapsed.

 Note

Default: *1 min.*

The time can be set from 1 to 240 minutes, using the number key.

Energy Saver may not work when error messages appear.

The machine automatically prints any printer data received while in Energy Saver mode.

❖ **System Auto Reset Timer**

The System Reset setting automatically switches the screen to that of the function set in Function Priority when no operations are in progress, or when an interrupted job is cleared. This setting determines the system reset interval. See p.23 “Function Priority”.

 **Note**

- Default: *On, 60 sec.*
- The time can be set from 10 to 999 seconds in 1 second increments, using the number keys.
- When the set time has passed, the control panel returns to the menu that was displayed before the **[User Tools/Counter]** key was pressed.

❖ **Copier Auto Reset Timer**

Specify the time to elapse before copier modes reset.

 **Note**

- If **[Off]** is selected, the machine does not automatically switch to the user code entry screen.
- Default: *On, 60 sec.*
- The time can be set from 10 to 999 seconds, using the number keys.

Key Operator Code

The key operator must set the following items. For settings or more information, contact the key operator.

It is recommended that the key operator program a key operator code when performing the settings. See p.27 “Key Operator Code”.

❖ **User Code Man.:Copier**

Allows you to control who uses the machine by setting codes for users. User codes must be registered for user code management.

 **Note**

- Default: *Off*
- By using **[Auto Program]** for the printer, you can keep a print log for each user code entered from the driver.

❖ **Key Counter Management**

Use the key counter to specify whether users are restricted or not.

 **Note**

- Default: *Off*
- [Key Counter Management]** will only be displayed when the key counter is set.

❖ Key Operator Code

Specify whether or not to use passwords (max. eight digits) to control Key Operator Tools settings for key operator code.

Note

Default: *Off*

If you select **[On]**, enter the key operator code (max. eight digits) using the number keys, and then select **[On:Partial]** or **[On:All]** to set the access limit.

- If you selected **[On:Partial]**

A key operator code is only required for the Timer Settings, and Key Operator Tools for System Settings, **[Menu Protect]** can be set for **[Maintenance]** in Printer Features. If you set **[Menu Protect]**, you can set the key operator code for some Printer Features. See "Printer Features Parameters", *Printer/Scanner Reference*.

- If you selected **[On:All]**

A key operator code is required to access all items in System Settings, Copier Features, Printer Features, and Scanner Features.

If you select **[On:All]**, you must enter a key operator code to access the Key Operator Code display.

❖ Display/Print Counter

Allows you to view and print the number of prints.

- Display/Print Counter

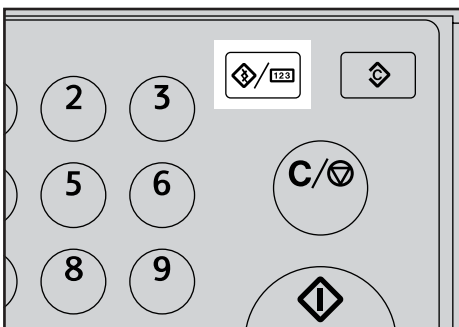
Displays the number of prints for each function (Total, Copier, Printer, and Duplex).

- Print Counter List

Prints out a list of the number of prints made under each function.

- To print the counter list

① Press the **[User Tools/Counter]** key.

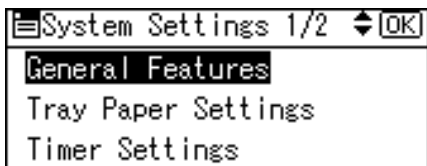


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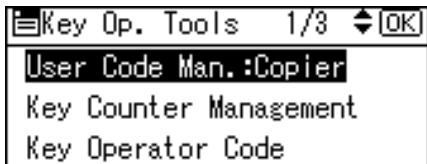
② Select **[System Settings]** using **[▲]** or **[▼]**, and then press the **[OK]** key.



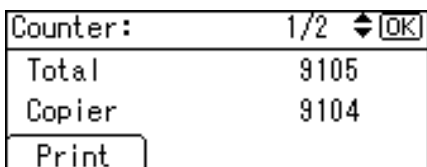
- ③ Select **[Key Operator Tools]** using **[▲]** or **[▼]**, and then press the **[OK]** key.



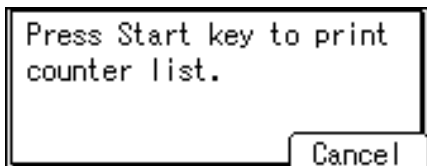
- ④ Select **[Display/Print Counter]** using **[▲]** or **[▼]**, and then press the **[OK]** key.



- ⑤ Press **[Print]**.



- ⑥ Press the **[Start]** key.



- ⑦ Press the **[User Tools/Counter]** key.

❖ Counter per User Code

Allows you to view and print the numbers of prints accessed with user codes, and to set those values to 0.

 Note

- Press [▲] and [▼] to show all the numbers of prints.
- The number of prints may differ from the counter value shown in Display/Print Counter.
 - Print counter per user code
Prints the number of prints made under each user code.
 - Clear counter per user code
Sets the number of prints made under each user code to 0.
- Print list for each user code, see p.32 “Printing the Counter for Each User Code”.
 - Print counter for all user codes
Prints the number of prints made under all user codes.
 - Clear counter for all user codes
Sets the number of prints made under all user codes to 0.

❖ Program/Change User Code

You can register, change, and delete user codes. For details about these operations, see p.30 “User Code”.

 Note

- You can register up to 50 user codes.

❖ AOF (Always On)

Specify whether or not to use Auto Off.

 Note

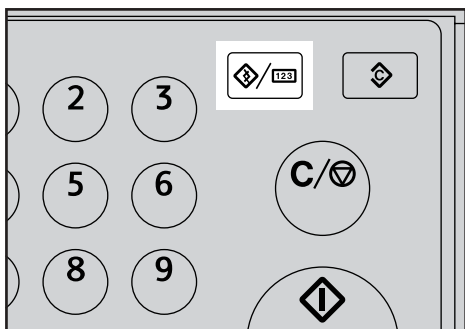
- Default: *On*

User Code

Register user codes to restrict copier functions to certain users, and check on their use of copier functions:

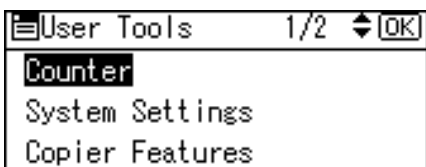
Registering a New User Code

- 1 Press the [User Tools/Counter] key.

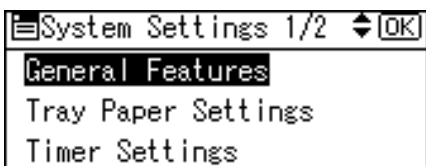


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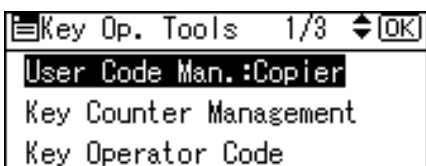
- 2 Select [System Settings] using [▲] or [▼], and then press the [OK] key.



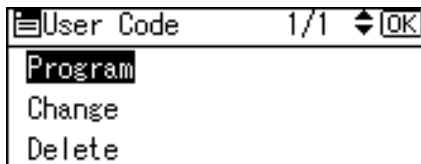
- 3 Select [Key Operator Tools] using [▲] or [▼], and then press the [OK] key.



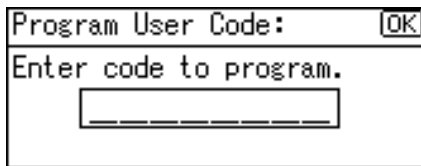
- 4 Select [Program/Change User Code] using [▲] or [▼], and then press the [OK] key.



- 5 Select [Program] using [▲] or [▼], and then press the [OK] key.



- 6 Enter the user code using the number keys, and then press the [OK] or [#] key.



The “ Programmed ” message appears, and then the “ User Code ” display returns.

- 7 Press the [User Tools/Counter] key.

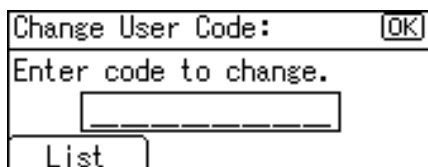
Changing a User Code

Note

- Even if you change a user code, the counter value will not be cleared.

- 1 Press the [User Tools/Counter] key.
- 2 Select [System Settings] using [▲] or [▼], and then press the [OK] key.
- 3 Select [Key Operator Tools] using [▲] or [▼], and then press the [OK] key.
- 4 Select [Program/Change User Code] using [▲] or [▼], and then press the [OK] key.
- 5 Select [Change] using [▲] or [▼], and then press the [OK] key.

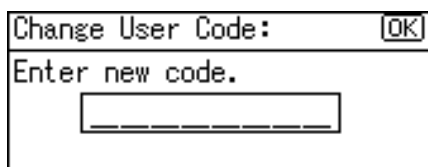
- 6** Enter the registered user code you want to change using the number keys, and then press the [OK] or [#] key.



Note

- When you select the user code from the User Code List, press [List]. Select the user code you want to change using [▲] or [▼], and then press the [OK] key twice.

- 7** Enter the new user code using the number keys, and then press the [OK] or [#] key.



The “Programmed” message appears, and then the “User Code” display returns.

- 8** Press the [User Tools/Counter] key.

Deleting a User Code

Important

- This operation also deletes user codes registered to multiple functions. User control via the deleted user code is no longer possible.

- 1** Press the [User Tools/Counter] key.

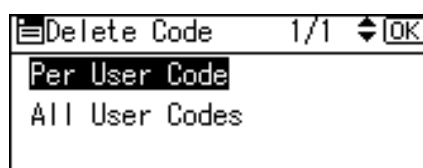
- 2** Select [System Settings] using [▲] or [▼], and then press the [OK] key.

- 3** Select [Key Operator Tools] using [▲] or [▼], and then press the [OK] key.

- 4** Select [Program/Change User Code] using [▲] or [▼], and then press the [OK] key.

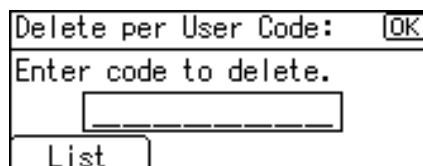
- 5** Select [Delete] using [▲] or [▼], and then press the [OK] key.

- 6** Select [Per User Code] or [All User Codes] using [▲] or [▼], and then press the [OK] key.



When selecting [All User Codes], a confirmation message appears. Press [Yes], and then proceed to step 9.

- 7** Enter the registered user code you want to delete using the number keys, and then press the [OK] or [#] key.



Note

- When you select the user code from the User Code List, press [List]. Select the user codes you want to delete using [▶], and then press the [OK] key.

A confirmation message appears.

- 8** Press [Yes].

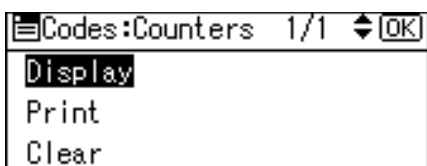
The “Deleted.” message appears, and then the “User Code” display returns.

- 9** Press the [User Tools/Counter] key.

Displaying the Counter for Each User Code

You can check the counter for each user code.

- 1** Press the [User Tools/Counter] key.
- 2** Select [System Settings] using [▲] or [▼], and then press the [OK] key.
- 3** Select [Key Operator Tools] using [▲] or [▼], and then press the [OK] key.
- 4** Select [Counter per User Code] using [▲] or [▼], and then press the [OK] key.
- 5** Select [Display] using [▲] or [▼], and then press the [OK] key.



The counter for each user code will be displayed.

- 6** Press the [User Tools/Counter] key.

Printing the Counter for Each User Code

You can print out the counter for each user code.

- 1** Press the [User Tools/Counter] key.
- 2** Select [System Settings] using [▲] or [▼], and then press the [OK] key.
- 3** Select [Key Operator Tools] using [▲] or [▼], and then press the [OK] key.

- 4** Select [Counter per User Code] using [▲] or [▼], and then press the [OK] key.

- 5** Select [Print] using [▲] or [▼] and then press the [OK] key.

- 6** Press the [Start] key.

The counter list prints out.

- 7** Press the [User Tools/Counter] key.

Clearing the Counter

- 1** Press the [User Tools/Counter] key.

- 2** Select [System Settings] using [▲] or [▼], and then press the [OK] key.

- 3** Select [Key Operator Tools] using [▲] or [▼], and then press the [OK] key.

- 4** Select [Counter per User Code] using [▲] or [▼], and then press the [OK] key.

- 5** Select [Clear] using [▲] or [▼], and then press the [OK] key.

A confirmation message appears.

- 6** Press [Yes].

The “Counter has been cleared.” message appears, and then the “Codes:Counters” display returns.

- 7** Press the [User Tools/Counter] key.

4. Troubleshooting

If Your Machine Does Not Operate As You Want

The following chart gives explanations of common problems and messages. If other messages appear, follow the instructions displayed.

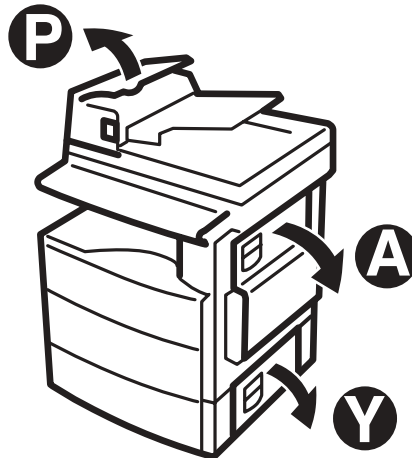
Note

- For further “Troubleshooting”, refer to the other manuals for this machine. See p.i “Manuals for This Machine”.

Problem	Causes	Solutions
“ Please wait. ” appears.	This message appears when you turn on the operation switch or change the toner bottle.	Wait for the machine to get ready.
The display is off.	The machine is in Energy Saver mode.	Turn on the operation switch.
	The operation switch is turned off.	
Nothing happens when the operation switch is turned on.	The main power switch is turned off.	Turn on the main power switch.
The user code entry display appears.	Users are restricted by user management.	Enter the user code (up to eight digits), and then press the [OK] or [#] key.
The main power indicator continues blinking and does not turn off when pressed.	This occurs in the following case: <ul style="list-style-type: none">• The machine is communicating with external equipment.	Check if the machine is communicating with a computer.
Original images are printed on the reverse side of the paper.	You may have loaded the paper incorrectly.	Load paper correctly. Load paper into Tray 1-4 with the print side up, and bypass tray with the print side down.

Problem	Causes	Solutions
Misfeeds occur frequently.	Copy paper size setting is not correct.	Set the proper paper size. See p.24 "Paper Size: Tray 1-2" and p.48 "Copy Paper".
	The tray's back fence may not be set properly.	Check the back fence is set properly. See p.37 "Changing the Paper Size".
An error message remains, even if misfed paper is removed.	When a misfeed message appears, it remains until you open and close the cover, as required.	Clear misfed paper, and then open and close the front cover. See p.35 "Clearing Misfeeds".
Cannot print in duplex mode.	You cannot use paper in the bypass tray for duplex printing.	For duplex printing, select Tray 1-2 in copier mode or with the printer driver.
	[Off] is selected for [Duplex] in Printer Features.	Select [On] for [Duplex] in Printer Features. See "Paper Input: Duplex" Printer/Scanner Reference.
You forgot your key operator code.	—	Contact your service representative.

Clearing Misfeeds



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4

CAUTION:

- The fusing section of this machine might be very hot. Caution should be taken when removing misfed paper.

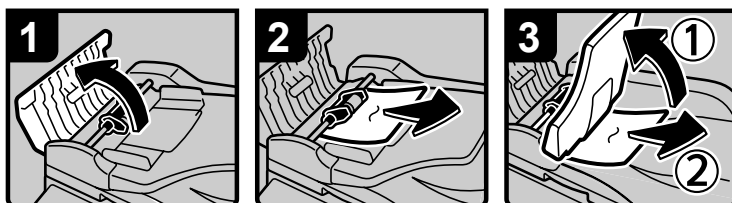
Important

- When clearing misfeeds, do not turn off the power switch. If you do, your copy settings are cleared.
- To prevent misfeeds, do not leave any torn scraps of paper inside the machine.
- If paper misfeeds occur repeatedly, contact your service representative.

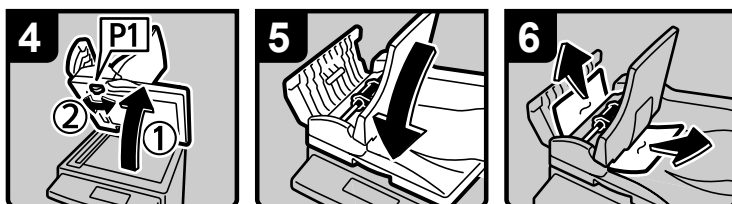
Note

- More than one misfeed area may be indicated. If this is the case, check every applicable area. Refer to the following charts: A, P, Y.
- You can find a sticker explaining how to remove misfed paper inside the right cover.
- When the machine instructs you to reset originals, reset them in the feeding position. The display will show you the number of originals to return.

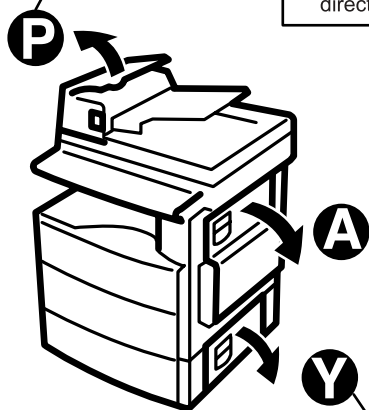
■ When P is displayed



1. Open the ARDF cover.
2. Remove the misfed original.
3. If you cannot remove the misfed original, open the ARDF external cover.
4. Remove the misfed original.



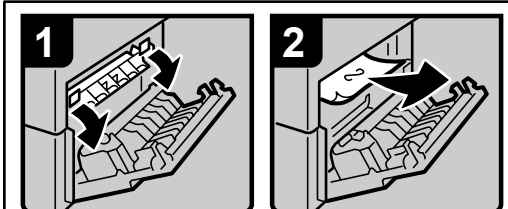
5. If you cannot remove the misfed original, open the ARDF.
6. Turn the knob P1 in the direction of the arrow.
7. Close the ARDF.
8. Remove the misfed original.



■ When A is displayed

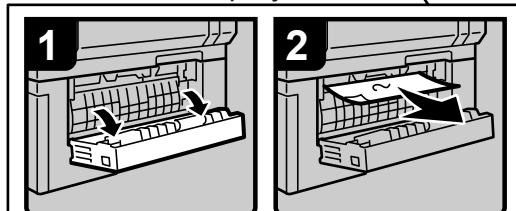


1. Open the right cover.
2. Remove the misfed paper.



1. Open the right cover, and then open the blue cover.
2. Remove the misfed paper.

■ When Y is displayed



1. Open the lower right cover.
2. Remove the misfed paper.

Changing the Paper Size

Preparation

Be sure to select the paper size with User Tools and the paper size selector. If you do not, misfeeds might occur. See p.24 “Paper Size: Tray 1–2”.

Reference

For details about paper sizes and types, see p.48 “Copy Paper”.

Changing the Paper Size of the Paper Tray (Tray 1)

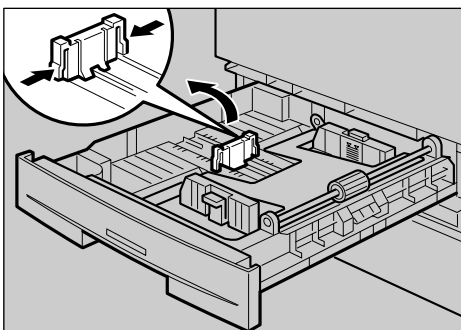
1 Make sure the paper tray is not in use.

2 Pull the paper tray out slowly until it stops.


Note

Remove any remaining copy paper.

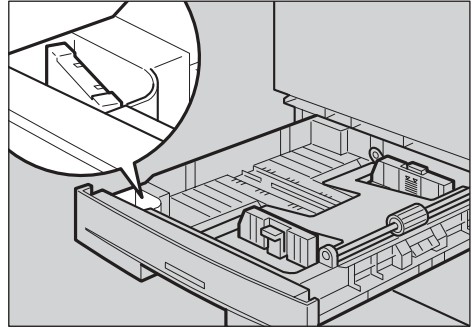
3 While pressing the release lever, pull the back fence off from the tray.



ARK0115

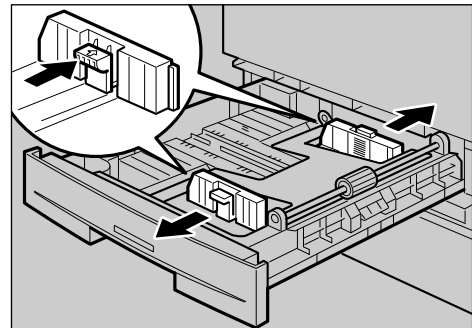
When using A4  size paper

1 Place the back fence in the corner pocket on the left.



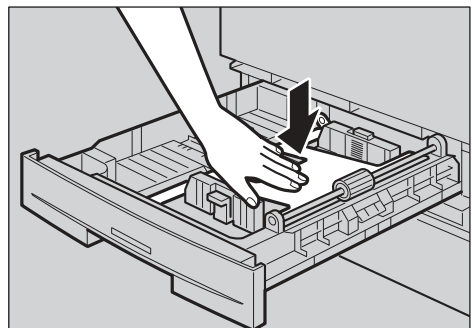
ARK0125

4 While pressing the release lever, adjust the side fences.



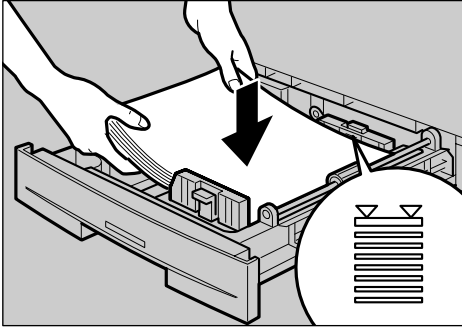
ARK0135

5 Push the metal plate down.

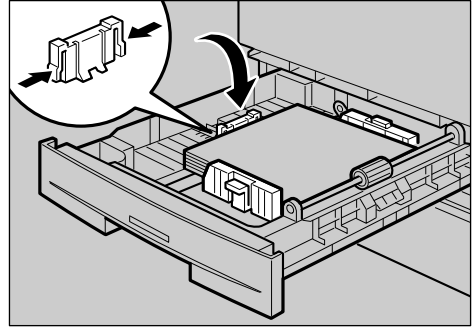


ARK0145

- 6** Square the paper and load it in the tray.



- 8** While pressing the release lever, set the back fence to the new size.

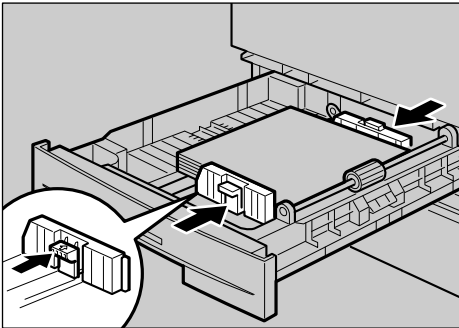


4

Important

- Be sure to set the paper under the roller.
- Do not stack paper over the limit mark.

- 7** While pressing the release lever, adjust the side fences to the new paper size.



- 9** Push the paper tray in until it stops.

Changing the Paper Size in the Paper Tray Unit (Tray 2)

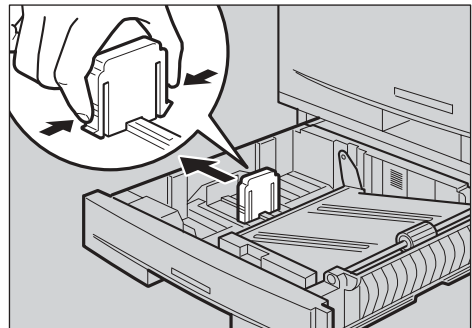
- 1** Make sure the paper tray is not in use.

- 2** Pull out the paper tray until it stops.

Note

- Remove any remaining copy paper.

- 3** While pinching the release lever, adjust the back fence.

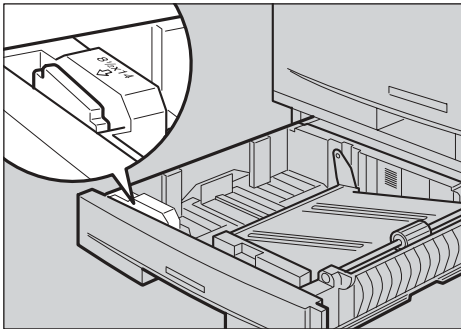


Important

- When setting small quantities of copy paper, be careful not to squeeze in the side fence too much or paper will not feed in properly.

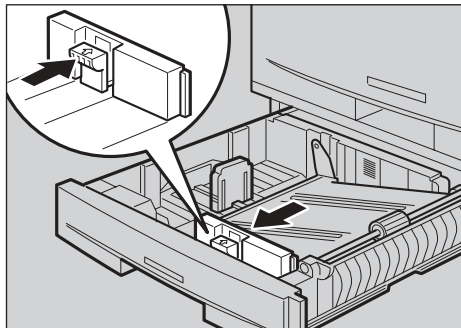
When loading 8¹/₄" × 14" or 8¹/₂" × 14" size paper

- ❶ Pull the back fence off from the tray.
- ❷ Place it in the corner pocket on the left.



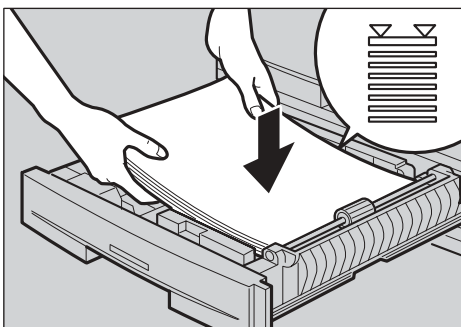
ZFOY650E

- ❹ While pressing the release lever, adjust the side fences.



ZFOY380E

- ❺ Push the metal plate down, and then square the paper and load it in the tray.

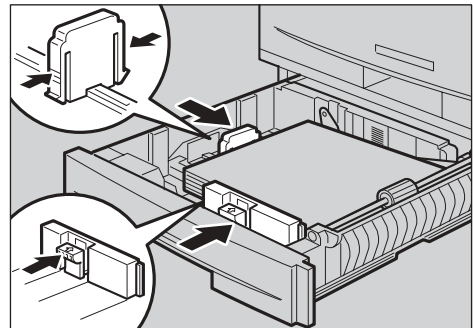


ZFOY380E

⚠ Important

- ❑ Do not stack paper over the limit mark.
- ❑ Load paper so that the paper touches the right side of the tray, or misfeeds might occur.

- ❻ While pinching the release lever, adjust the side and back fences to the new paper size.



ZFOY400E

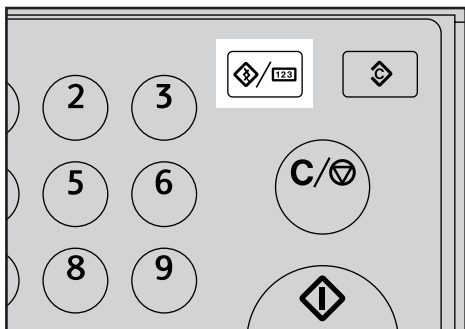
⚠ Important

- ❑ When loading small quantities of copy paper, be careful not to squeeze in the side fence too much or paper will not feed in properly.

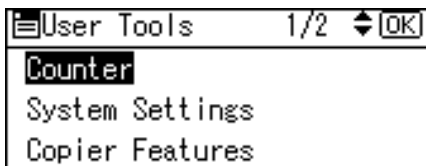
- ❼ Push the paper tray in until it stops.

Selecting the Paper Size with User Tools

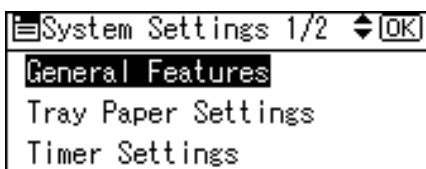
1 Press the [User Tools/Counter] key.



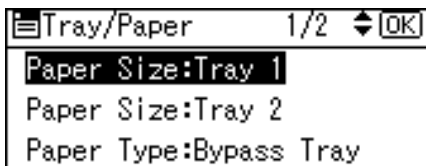
2 Select [System Settings] using [▲] or [▼], and then press the [OK] key.



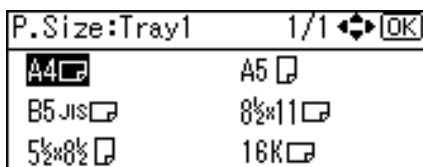
3 Select [Tray Paper Settings] using [▲] or [▼], and then press the [OK] key.



4 Select the paper tray you want to change the paper size for using [▲] or [▼], and then press the [OK] key.



5 Select the paper size using the scroll keys, and then press the [OK] key.



The "Programmed" message appears.

6 Press the [User Tools/Counter] key.

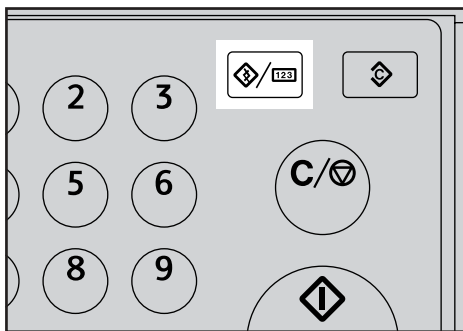
5. Other Functions

Other Functions

Displaying the Total Counter

You can display the total counter value used for all functions.

- 1 Press the [User Tools/Counter] key.



ARK004S

- 2 Select [Counter] using [▲] or [▼], and then press the [OK] key.



- 3 To print the counter list, press [Print].



Note

- To print the counter list, load A4 or 8¹/₂" × 11" size paper.

- 4 Press the [Start] key.

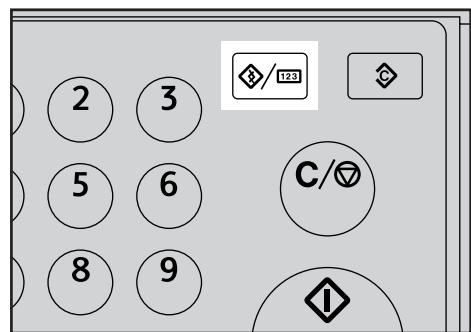
A counter list prints out.

- 5 Press the [User Tools/Counter] key.

Changing the Language

You can change the language used on the display. English is set as default.

- 1 Press the [User Tools/Counter] key.

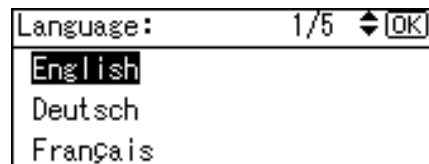


ARK004S

- 2 Select [Language] using [▲] or [▼], and then press the [OK] key.



- 3 Select the language using [▲] or [▼], and then press the [OK] key.



The "Programmed" message appears, and then the "User Tools" display returns.

- 4 Press the [User Tools/Counter] key.

6. Specifications

Main Unit

- ❖ **Configuration:**
Desktop
- ❖ **Photosensitivity type:**
OPC drum
- ❖ **Original scanning:**
One-dimensional solid scanning system through CCD
- ❖ **Copy process:**
Dry electrostatic transfer system
- ❖ **Development:**
Dry two-component magnetic brush development system
- ❖ **Fusing:**
Heating roll pressure system
- ❖ **Resolution:**
600 dpi
- ❖ **Exposure glass:**
Stationary original exposure type
- ❖ **Original reference position:**
Rear left corner
- ❖ **Warm-up time:**
From the main power switch
10 seconds or less (20 °C)
From the operation switch
10 seconds or less (20 °C)
- ❖ **Originals:**
Sheet/book/objects
- ❖ **Maximum original size:**
A4☐, 8¹/₂" × 14"☐

❖ **Copy paper size:**

- Trays: A4, B5 JIS, A5, 8 1/2" × 11", 5 1/2" × 8 1/2", 16K
- Bypass: A4, A5, B5 JIS, 8 1/2" × 14", 8 1/2" × 11", 5 1/2" × 8 1/2", 7 1/4" × 10 1/2", 8" × 13", 8 1/2" × 13", 8 1/4" × 13", 8 1/4" × 14", 16K, 4 1/8" × 9 1/2", 3 7/8" × 7 1/2", C5 Env, C6 Env, DL Env
- Bypass (custom size):
Vertical: 90 – 216 mm, 3.5" – 8.5"
Horizontal: 140 – 600 mm, 5.6" – 23.7"
- Duplex unit: A4, B5 JIS, 8 1/2" × 14", 8 1/2" × 11", 8 1/2" × 13", 8 1/4" × 14", 8 1/4" × 13", 16K

❖ **Copy paper weight:**

- Paper trays (Standard size): 60 – 90 g/m², 16 – 24 lb
- Bypass tray: 60 – 157 g/m², 16 – 42 lb
- Duplex unit: 64 – 90 g/m², 20 – 24 lb

❖ **Non-reproduction area:**

- Leading edge: 2 ± 1.5 mm (0.08 ± 0.06 inch)
- Trailing edge: more than 0.5 mm (0.02 inch)
- Left edge: 2 ± 1.5 mm (0.08 ± 0.06 inch)
- Right edge: more than 0.5 mm (0.02 inch)

❖ **First copy time:**

7.5 seconds or less
(A4, 8 1/2" × 11" 100%, feeding from Tray 1)

❖ **Copying speed: (Type 1)**

- 16 copies/minute (A4, 8 1/2" × 11")

❖ **Reproduction ratio:**

Preset reproduction ratios:

—	Metric version	Inch version
Enlargement	200%	155%
	141%	129%
Full Size	100%	100%
Reduction	93%	93%
	71%	78%
	50%	65%

Zoom: From 50% to 200% in 1% steps.

❖ **Continuous copying count:**

1 – 99 copies

❖ **Copy paper capacity:**

- Tray 1: 250 sheets (80 g/m², 20 lb)
- Bypass: 100 sheets (80 g/m², 20 lb)

❖ **Power consumption:**

	Main unit only	Complete system ^{*1}
Warm up	Less than 900 W	Less than 900 W
Stand-by	About 70 W	About 75 W
During printing	About 360 W	About 360 W
Maximum	Less than 900 W	Less than 900 W

^{*1} Main unit with the optional ARDF, printer/scanner unit, and paper tray unit.

❖ **Dimensions (W × D × H up to exposure glass):**

Main unit only: 485 × 450 × 371 mm, 19.1 × 17.8 × 14.6 inch

❖ **Noise Emission ^{*1} :**

- Sound power level

	Main unit only	Complete system ^{*3}
Stand-by	40 dB (A)	40 dB (A)
During printing	62 dB (A)	66 dB (A)

- Sound pressure level ^{*2}

	Main unit only	Complete system ^{*3}
Stand-by	34 dB (A)	34 dB (A)
During printing	57 dB (A)	60 dB (A)

^{*1} The above measurements made in accordance with ISO 7779 are actual values.

^{*2} Measured at the position of the operator.

^{*3} The complete system consists of a main unit with full options installed.

❖ **Weight:**

30 kg (66.2 lb) or less

✎ **Note**

- ❑ Specifications are subject to change without notice.

Options

Exposure Glass Cover












Lower this over originals.

Auto Document Feeder capable of scanning both sides of a sheet (ARDF)

❖ Mode:

- ADF mode

❖ Original size:

- Regular size:
One-sided originals: A4  - A5  
One-sided originals: 8¹/₂" × 14"  - 5¹/₂" × 8¹/₂"  
Two-sided originals: A4  - A5 
Two-sided originals: 8¹/₂" × 14"  - 5¹/₂" × 8¹/₂"  
- Custom size:
One-sided originals: 139 - 1260 mm (Horizontal)
Two-sided originals: 160 - 356 mm (Horizontal)

❖ Original weight:

- One-sided originals: 52 – 105 g/m² (14 – 28 lb)
- Two-sided originals: 52 – 105 g/m² (14 – 28 lb) (Duplex)

❖ Number of originals to be set:

- 50 sheets (80 g/m², 20 lb)

❖ Maximum power consumption:

- less than 50 W (power is supplied from the main unit.)

❖ Dimensions (W × D × H):

- 485 × 360 × 120 mm, 19.1 × 14.2 × 4.8 inch

❖ Weight:

- 8 kg (17.7 lb) or less

Note

- You cannot load a two-sided original that is 310mm or longer along the feed direction, such as a 8¹/₂" × 14" paper, if the thickness of the original is 64 g/m² (17 lb) or thinner.
- Specifications are subject to change without notice.

Paper Tray Unit (Tray 2)

❖ **Paper weight:**

60 – 90 g/m² (16 – 24 lb.)

❖ **Paper size:**

A4, 8¹/₂" × 14", 8¹/₂" × 13", 8¹/₂" × 11", 8¹/₄" × 13", 8¹/₄" × 14"

❖ **Maximum power consumption:**

15 W (power is supplied from the main frame)

❖ **Paper capacity:**

500 sheets (80 g/m², 20 lb)

❖ **Dimensions (W × D × H):**

430 × 414 × 140 mm, 17.0 × 16.3 × 5.6 inch

❖ **Weight:**

6 kg (13.3 lb) or less



 **Note**

- Specifications are subject to change without notice.
- For details about the anti-condensation heater, contact your service representative.

Copy Paper

Recommended Paper Sizes and Types

The following limitations apply to each tray:

		Metric version	Inch version	Paper weight	Paper capacity
Paper tray 1		A4, B5 JIS, A5, 8 ¹ / ₂ " × 11", 5 ¹ / ₂ " × 8 ¹ / ₂ ", 16K		60 – 90 g/m ² , 16 – 24 lb	250 sheets * ¹
		<p> Note</p> <p><input type="checkbox"/> You can specify the paper size with the User Tools. See p.40 "Selecting the Paper Size with User Tools".</p>			
Paper tray unit (optional)		A4, 8 ¹ / ₂ " × 14", 8 ¹ / ₂ " × 13", 8 ¹ / ₄ " × 14", 8 ¹ / ₄ " × 13", 8 ¹ / ₂ " × 11"		60 – 90 g/m ² , 16 – 24 lb	500 sheets * ¹
		<p> Note</p> <p><input type="checkbox"/> You can specify the paper size with the User Tools. See p.40 "Selecting the Paper Size with User Tools".</p>			
Bypass tray	Standard Sizes	A4, B5 JIS, A5, 8 ¹ / ₂ " × 14", 8 ¹ / ₂ " × 11", 5 ¹ / ₂ " × 8 ¹ / ₂ ", 7 ¹ / ₄ " × 10 ¹ / ₂ ", 8" × 13"(F), 8 ¹ / ₂ " × 13"(F4), 8 ¹ / ₄ " × 13", 8 ¹ / ₄ " × 14", 16K * ³		72 – 90 g/m ² , 19 – 24 lb	100 sheets * ¹
		Envelope: * ⁴ C5 Env., C6 Env., DL Env., (4 ¹ / ₈ " × 9 ¹ / ₂ " (Commercial #10), 3 ⁷ / ₈ " × 7 ¹ / ₂ " (Monarch)			10 sheets * ¹
	Custom sizes * ⁴	Vertical: 90 - 216 mm	Vertical: 3.55 - 8.50 inch	60 – 157 g/m ² , 16 – 42 lb	100 sheets
		Horizontal: 139 - 600 mm	Horizontal: 5.48 - 23.62 inch		
		Translucent paper (A4), OHP transparencies			10 sheets
		Adhesive labels (A4)			1 sheet

*¹ Paper weight: 80 g/m², 20 lb

*² When you set custom size paper in the bypass tray, You can specify the size. See *Copy Reference*.


*³ 16K(Shi-Lui-Kai) = 195 × 267 mm, 7.7" × 10.6"

*⁴ Set one sheet at a time for your needs. See *Copy Reference*.

Important

- ❑ If you use damp or curled paper, a misfeed might occur. In such a case, try turning over the paper stack in the paper tray. If there is no improvement, change to copy paper with less curl.

Note

- ❑ When using the bypass tray, we recommend you set the copy paper direction to .
- ❑ When printing on envelopes, note the following:
 - Load the envelope with the copy side face down on the bypass tray.
 - Check that envelope flap is securely folded up.
 - Before loading the envelope, flatten the leading edge (the side being fed into the machine) by running a pencil or ruler across them.
 - Use only rectangular envelopes.
 - Some kinds of envelopes might wrinkle or the print quality may be affected, especially on overlaps.
- ❑ If you load paper of the same size and in the same direction in two trays, the machine automatically shifts to another tray when the tray in use runs out of paper. This function is called Auto Tray Switching. This saves interrupting a copy run to replenish paper even when making a large number of copies. You can cancel this setting. See “Auto Tray Switching”, Copy Reference.

Reference

To add paper, see *Copy Reference*.

To change the paper size, see p.37 “Changing the Paper Size”.

Unusable Paper

CAUTION:

- *Do not use aluminum foil, carbon paper, or similar conductive paper to avoid a fire or machine failure.*

Important

- Do not use any of the following kinds of paper or a fault might occur:
 - Art paper
 - Aluminum foil
 - Carbon paper
 - Conductive paper
- Do not use copy paper that has been already copied on. Otherwise, a paper misfeed might occur.

Note

- Do not use any of the following kinds of paper or a misfeed might occur.
 - Bent, folded, or creased paper
 - Torn paper
 - Slippery paper
 - Perforated paper
 - Rough paper
 - Thin paper that has low stiffness
 - Paper with a dusty surface
- If you make copies on rough grain paper, the copy image might come out blurred.
- Do not use paper already copied or printed on.

Paper Storage

Note

- When storing paper, the following precautions should always be followed:
 - Do not store paper where it will be exposed to direct sunlight.
 - Avoid storing paper in humid areas (humidity: 70% or less).
 - Store on a flat surface.
- Keep open reams of papers in the package, and store as you would unopened paper.
- Under conditions of high temperature and high humidity, or low temperature and low humidity conditions, store papers in a plastic bag.

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Declaration of Conformity

“The Product complies with the requirements of the EMC Directive 89/336/EEC and its amending directives and the Low Voltage Directive 73/23/EEC and its amending directives.”

In accordance with IEC 60417, this machine uses the following symbols for the main power switch:

I means **POWER ON.**

⏻ means **STAND BY.**

