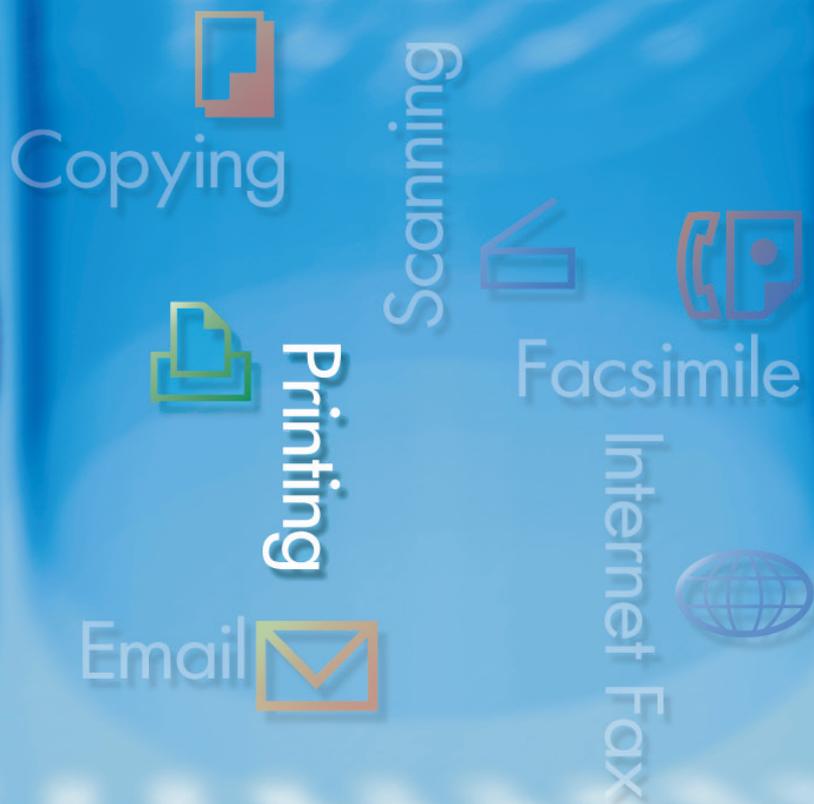


Panasonic®



Operating Instructions (For Printer) Digital Color Imaging Systems

Model No. DP-C406 / C306 / C266

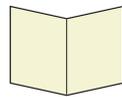


Before operating this machine, please carefully read this manual and keep this documentation in a safe place for future reference.
(Illustration shows optional accessories that may not be installed on your machine.)

English

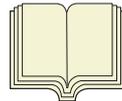
Operating Instructions

The following Operating Instruction manuals are included with this machine. Please refer to the appropriate manual and keep all manuals for future reference. If you lose the manual, contact the authorized Panasonic dealer.



Quick Reference Guide

Describes the basic procedures for each function, and introduces various settings for Copy function.



Operating Instructions (For Basic)

Describes the overview of this machine. For a detailed explanation of functions, please refer to the Operating Instruction manuals included on two CD-ROMs as illustrated below.



Operating Instructions CD

Contains manuals with detailed information for Administrator Setup, User Setup, Copy, Facsimile/Internet Fax, Scan/Email, Print functions, Function Parameters, User Authentication, and Maintenance.



Document Management System CD

Contains the Panasonic Document Management System Application software, and manuals for the Panasonic Document Management System Application software.

Operating Instructions CD

Setup Guide For Administrator

Describes how to set up the machine.

Setup Guide For User

Describes how to install the printer driver and application software to client PC.



Copy Function

Describes how to make a Color Copy with creative features.



Facsimile and Internet Fax Function

(The Facsimile function is available when the optional G3 Fax Communication Board is installed.)



Describes how to send/receive a Facsimile/Internet Fax, and describes the course of action to take when a trouble message appears, etc.



Scan and Email Function

Describes how to scan and how to send Email through the machine.



Print Function

Describes how to print using the Control Panel of the machine.

Function Parameters

Describes how to change the default settings of each function using the Control Panel of the machine.

User Authentication

Describes how to enable and use the User Authentication function.

Maintenance Guide

Describes how to maintain the machine, and the course of action to take when a problem message appears.

Document Management System CD

Application Software

Describes how to use the application software.

Ex: Printer Driver, Fax Driver, Quick Image Navigator, Device Monitor/Device Explorer, Network Configuration and Address Book Editor

Conventions

Icons

The following icons are used in this manual.

Icon	Description
	Indicates important information that must be read in detail.
	Indicates reference information.

Notation

The following notations are used in this manual.

Notation	Description
For Keys and Buttons	Hard buttons on the Control Panel are depicted as **** key, and soft buttons on the Touch Panel Display are depicted as "xxx". Ex: Press the Start key and select " More Menus ".

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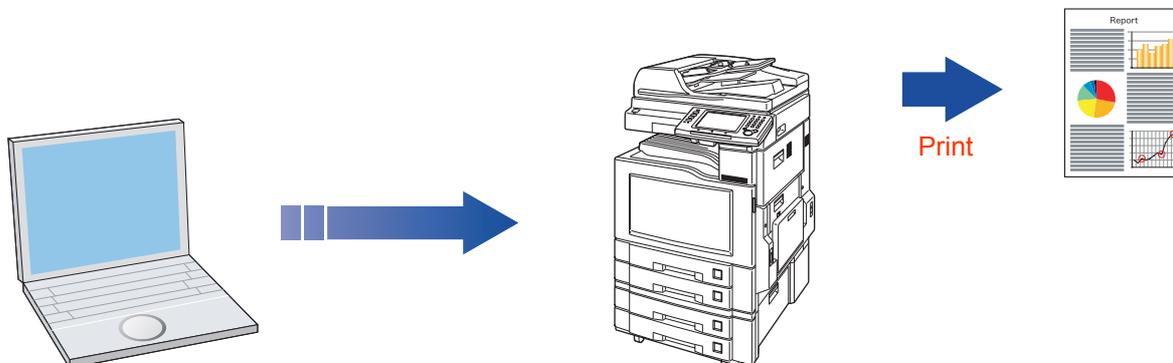
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Printing from PC

You can print images or data of application software from PC on which the printer driver is installed.



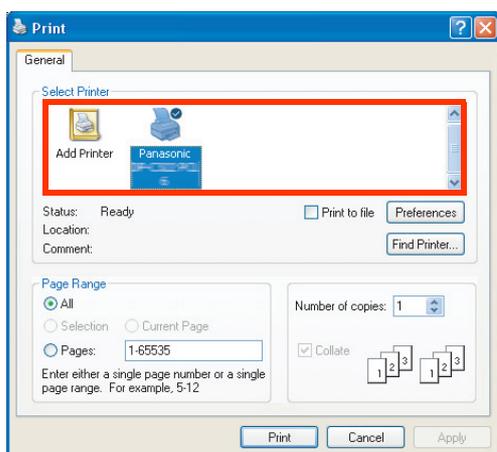
ATTENTION

- To print from PC, the setup of this machine and PC is necessary.
For setting up the machine as a network printer, refer to **Setting up the Network Configuration** in the Operating Instructions (For Administrator Setup) of provided CD-ROM.
For installing the printer driver to your PC, refer to **Installing the Printer Driver and Application Software** in the Operating Instructions (For User Setup) of provided CD-ROM.

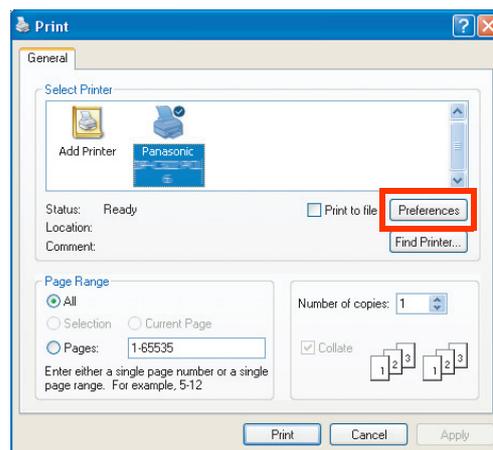
NOTE

- The illustrations shown for the following steps are of WordPad on Windows® XP.
The procedures for other applications and Windows operating systems are basically the same, even though the screen displays may differ.

- Select **"Print"** from the **"File"** menu.
- Select the desired printer in **"Select Printer"**.

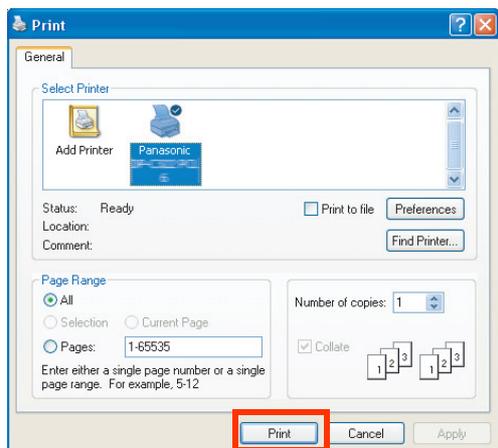


- Click **"Preferences"** to configure the print settings if necessary.



- Change the print settings, and then click **"OK"**.
 - For the settings of printer driver, refer to the online help for the printer driver.

5 Click "Print".



- When the desired size of paper is not set in the Paper Tray, use the Sheet Bypass.

Printing from SD Memory Card/USB Flash Memory/Internal Hard Disk Drive/Mailbox

You can print data saved in the SD Memory Card, USB Flash Memory, Internal Hard Disk Drive, or Mailbox using the Control Panel of the machine.

There are two ways for selecting data to print.

Photo Print

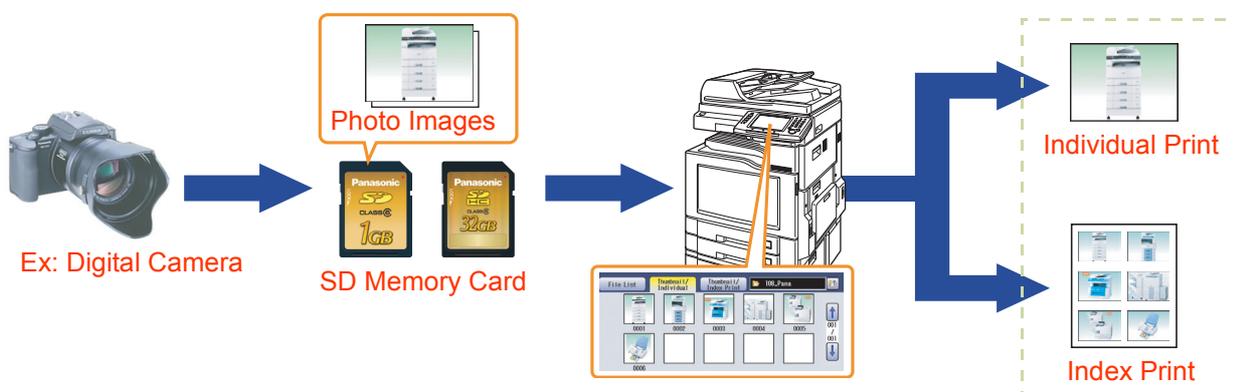
Photo images (JPEG files) are displayed as thumbnails in the Thumbnail/Individual and Thumbnail/Index Print tabs, and can be printed individually or as thumbnail indexes.

NOTE

- Only JPEG files in EXIF* format ver 2.1 or later for the digital camera are displayed as thumbnails.
- SD Logo is a trademark.
- SDHC Logo is a trademark.

* Short for Exchangeable Image File, a standard format used for storing interchange information in digital photography image files using JPEG compression. (Ex: Dimensions, Date Picture Taken, Camera Model, File Type, Size).

SD Memory Card: For printing pictures taken by a digital camera, etc., (see page 11).



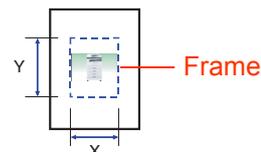
Selecting thumbnails of files from the Thumbnail/Individual or Thumbnail/Index Print tab



Individual Print: Selected files are printed individually.

NOTE

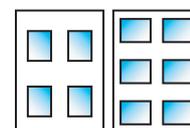
- The frame size for the Individual Print can be changed. For details, refer to **Selecting the Frame Size for Individual Print** (see page 36).



Index Print: Selected files are printed as thumbnail indexes.

NOTE

- The layout for the Index Print can be changed. For details, refer to **Selecting the Layout for Index Print** (see page 38).



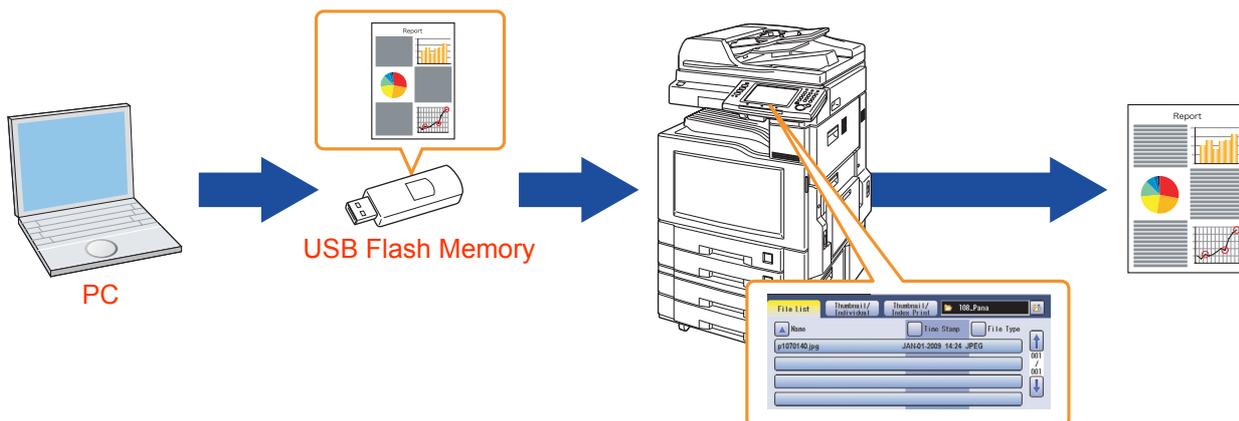
File Print

Files other than photo images (JPEG/TIFF/PDF files) are displayed in the File List tab.

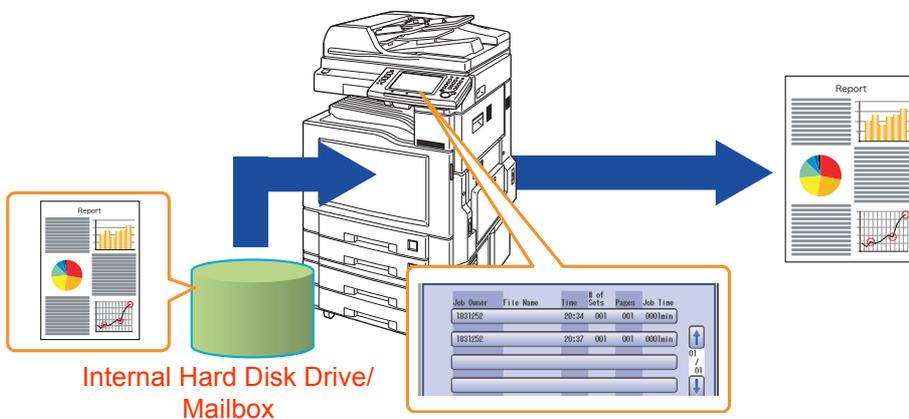
NOTE

- Only one file can be selected at a time in the File List tab. For more details, refer to step 5 of **Printing from USB Flash Memory** (see page 14).

USB Flash Memory: For printing files copied to the USB Flash Memory from PC (see page 14).



Internal Hard Disk Drive/Mailbox: For printing files saved in the machine from PC on the network (see pages 16 and 17).



Basic Operation Procedure

This section describes the workflow of printing data using the Control Panel of the machine. For the detailed description of procedures for each print function, refer to the relevant suggested section.

- 1 Press the **Print** key if the machine is set to other function mode.



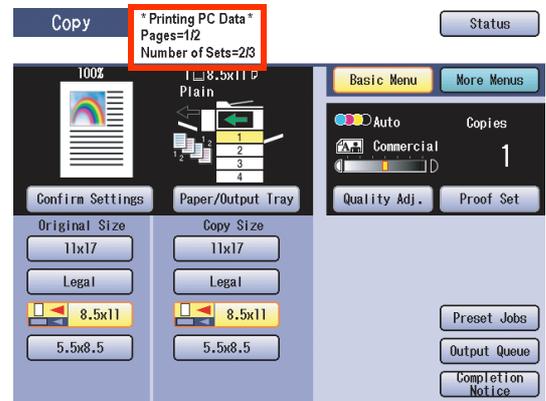
- 2 Select the desired print function.



- **SD Print:**
Select when printing data in the SD Memory Card, USB Flash Memory or Internal Hard Disk Drive (see pages 11 to 16).
- **Mailbox:**
Select when printing or deleting data saved in Mailbox (see pages 17 to 21).
- **Job Control:**
Select when turning the printer on-line or off-line, canceling the current print job, or managing print data in the Output Queue (see pages 22 to 24).

- You can confirm the progress information while printing in the message area of the Touch Panel Display by setting the Function Parameter "**27 PC Print Page Display**" (Printer Settings > General User Mode) to "**On**".

For more details, refer to **Printer Settings** in the Operating Instructions (For Function Parameters) of provided CD-ROM.



NOTE

- After finishing printing, press the **Reset** key to return to the initial screen of the currently active mode.



Printing from SD Memory Card

You can print images directly from the SD Memory Card.

ATTENTION

- Be sure to use only a genuine SD Memory Card* (up to 32GB).
- Image data saved on the SD Memory Card cannot be printed if the Function Parameter “**70 SD/USB Memory Function**” (General Settings > Key Operator Mode) is set to “**No**”. For more details on this setting, refer to **General Settings** in the Operating Instructions (For Function Parameters) of provided CD-ROM.

* SD Memory Card and SDHC Memory Card are referred to as SD Memory Card in this manual.

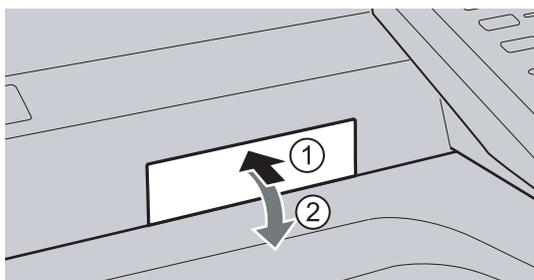
NOTE

- Any commercial grade genuine SD / SDHC Memory Card can be used.
- The optional Printer Controller Module is required for printing text/graphic files in the PDF format.
- Some TIFF and PDF files cannot be printed directly from the SD Memory Card depending on the type of format.
- When the printing result differs from the actual photograph image, set the Function Parameter “**30 SD Print Settings (03 Auto Contrast)**” (Printer Settings > General User Mode) to “**On**” (the initial setting of this function is “**On**”). The machine will automatically adjust the print quality. However, the level of improvement will vary with each photograph. For details, refer to the Operating Instructions (For Function Parameters) of provided CD-ROM.

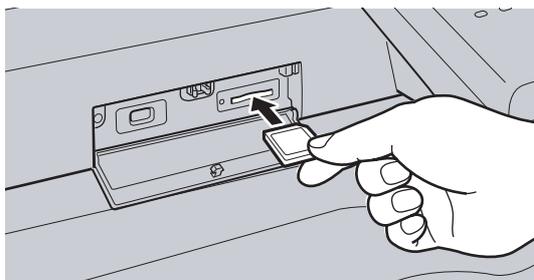
1 Press the **Print** key if the machine is set to other function mode.

2 Insert the SD Memory Card.

Push the Slot Cover to open it.



Insert the SD Memory Card as illustrated. (Label side up)

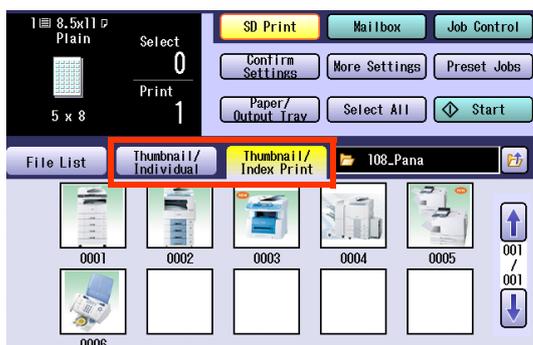


The data and the folder name on the SD Memory Card are displayed.

3 Select “**SD Print**”.

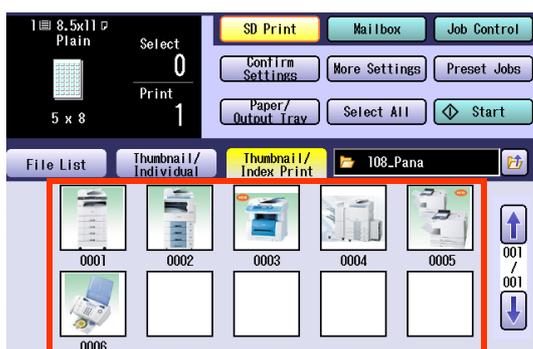


4 Select “Thumbnail/Individual” or “Thumbnail/Index Print”.



- To print thumbnail indexes (Index Print), select the desired data from the Thumbnail/Index Print tab.
- To print images individually (Individual Print), select the desired data from the Thumbnail/Individual tab.

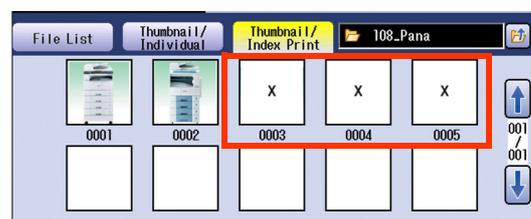
5 Select the desired data.



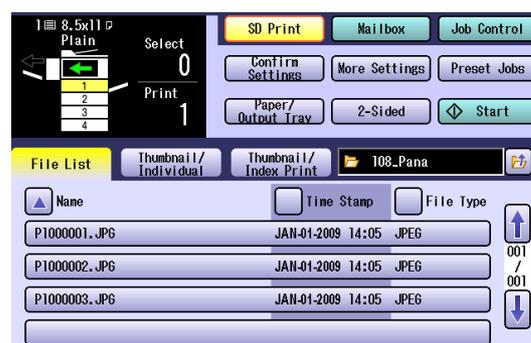
- You can select all files at a time with the “**Select All**” button.
- Images are printed in the selected order.
- Select  or  to scroll pages.
- If the desired data and the name of the folder are not displayed, press the  button until the desired data and folder appears.

- When thumbnails are not displayed

Ex: JPEG files except from digital camera are displayed as follows.

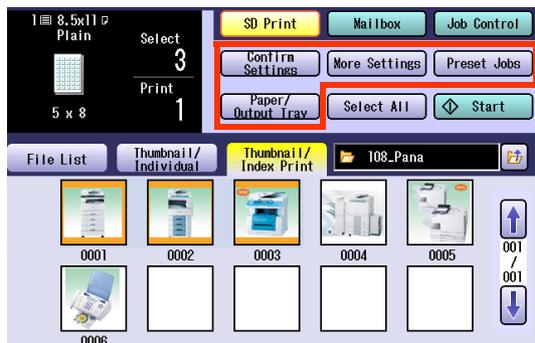


Ex: When photo images are not included, a file list is displayed.



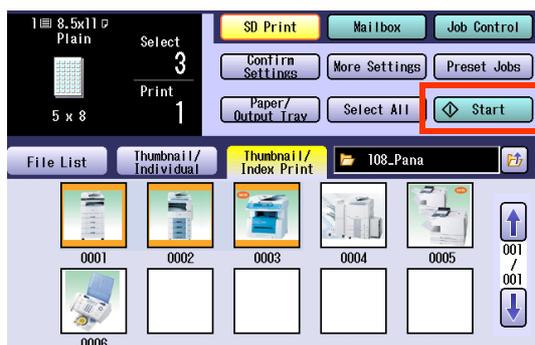
- To select data from the File List tab, refer to step 5 of **Printing from USB Flash Memory** (see page 14).
- The default directory can be set to display either “**DCIM**” (a folder for digital camera images) or “**Scan Img**” by changing the setting of the Function Parameter “**30 SD Print Settings (01 SD/USB Memory Def. Dir.)**” (Printer Settings > General User Mode). For more details on this setting, refer to **Printer Settings** in the Operating Instructions (For Function Parameters) of provided CD-ROM.
- The default display type can be set to “**Index**”, “**Indivi.**”, or “**FileList**” by changing the setting of the Function Parameter “**30 SD Print Settings (02 SD/USB Mem. Disp. Type)**” (Printer Settings > General User Mode). For more details on this setting, refer to **Printer Settings** in the Operating Instructions (For Function Parameters) of provided CD-ROM.
- The frame size for the Individual Print can be changed. For details, refer to **Selecting the Frame Size for Individual Print** (see page 36).
- The Layout for the Index Print can be changed. For details, refer to **Selecting the Layout for Index Print** (see page 38).

- 6 Select the required settings if necessary.

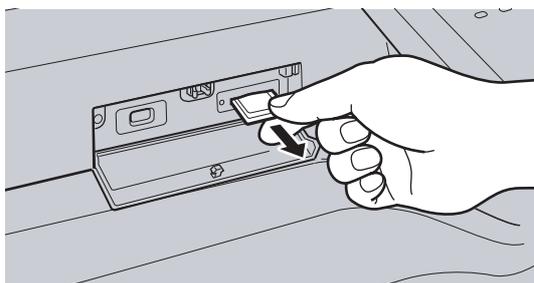


- **Confirm Settings** (see page 45)
- **More Settings** (see pages 26 to 41)
- **Preset Jobs** (see page 42)
- **Paper/Output Tray**: Selects the Paper Tray and Output Tray.

- 7 Select "Start".

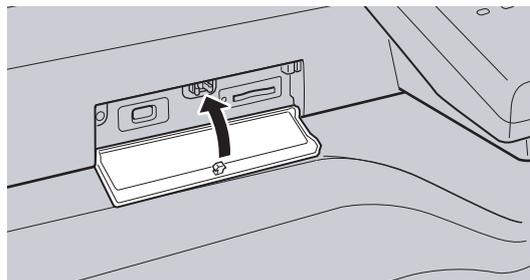


- 8 Push the SD Memory Card, and then remove it.



- Do not remove the SD Memory Card while the Access Indicator is flashing.

- 9 Close the Slot Cover.



- When re-inserting the SD Memory Card into the slot, pull it out completely once, and then insert the card again.

NOTE

- When canceling the operation, press the **Reset** key on the Control Panel.

Printing from USB Flash Memory

You can print images directly from the USB Flash Memory.

ATTENTION

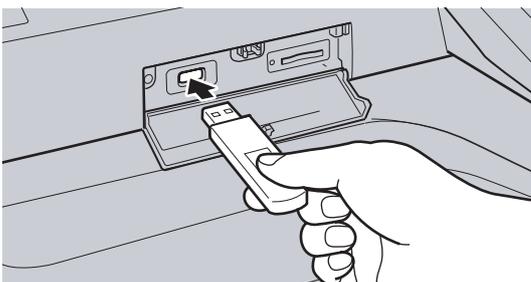
- Be sure to use only a USB Flash Memory that supports Mass Storage Class (FAT16 or FAT32 format).
- USB Flash Memory with the security function cannot be used.
- We cannot guarantee compatibility with all USB Flash Memories. For details, contact the authorized Panasonic dealer.
- The image data saved on the USB Flash Memory cannot be printed if the Function Parameter “70 SD/USB Memory Function” (General Settings > Key Operator Mode) is set to “No”. For more details on this setting, refer to **General Settings** in the Operating Instructions (For Function Parameters) of provided CD-ROM.

1 Press the **Print** key if the machine is set to other function mode.

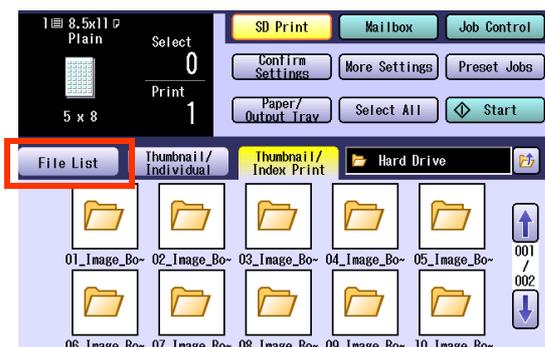
2 Select “SD Print”.



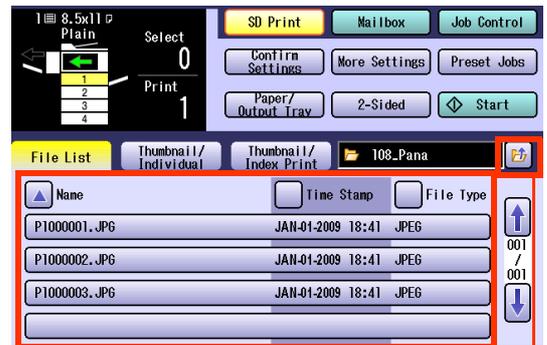
3 Connect the USB Flash Memory.



4 Select “File List”.

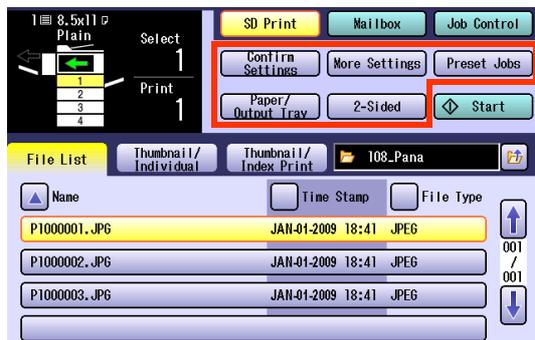


5 Press the  button to display the USB Flash Memory folder, and then select the desired data.



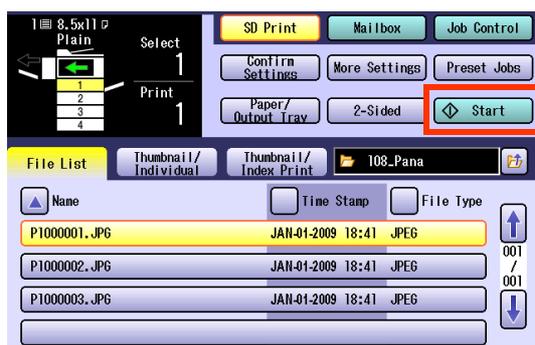
- Only one file can be selected at a time in the File List tab.
- To select images from the Thumbnail/Individual or Thumbnail/Index Print tab, refer to step 5 of **Printing from SD Memory Card** (see page 12).
- Select  or  to scroll pages.

- 6 Select the required settings if necessary.

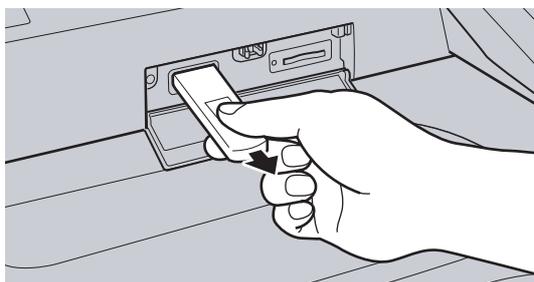


- **Confirm Settings** (see page 45)
- **More Settings** (see pages 26 to 41)
- **Preset Jobs** (see page 42)
- **Paper/Output Tray**: Selects the Paper Tray and Output Tray.
- **2-Sided**: Prints in the 2-Sided mode.

- 7 Select **“Start”**.

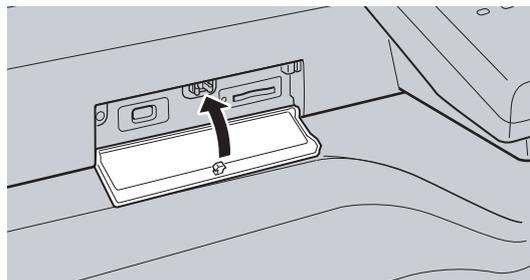


- 8 Remove the USB Flash Memory.



- Do not remove the USB Flash Memory while the Access Indicator is flashing.

- 9 Close the Slot Cover.

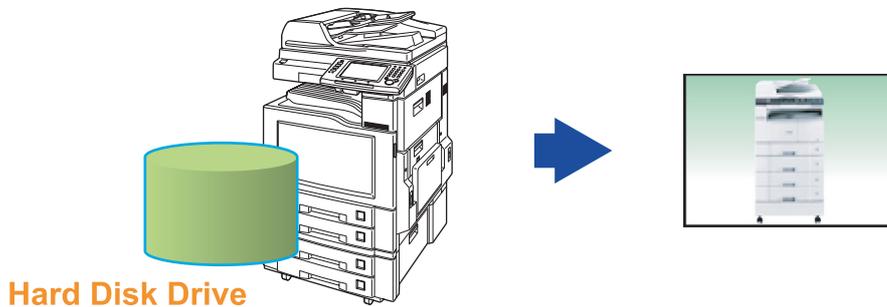


NOTE

- When canceling the operation, press the **Reset** key on the Control Panel.

Printing from the Internal Hard Disk Drive

You can print images saved in the internal Hard Disk Drive.



NOTE

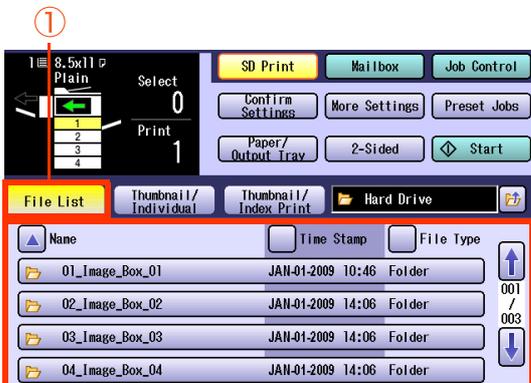
- The Hard Disk Drive is enabled with 12 image boxes.

1 Press the **Print** key if the machine is set to other function mode.

2 Select “SD Print”.

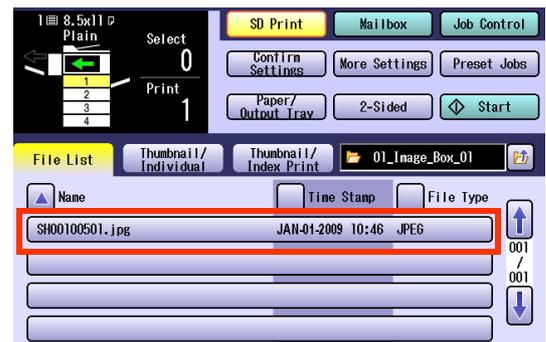


3 Select “File List”, and then select an Image Box in the Hard Drive.



- When the SD Memory Card or USB Flash Memory has been inserted, press the  button to display the Hard Drive folder.
- Only one Image Box can be selected at a time.

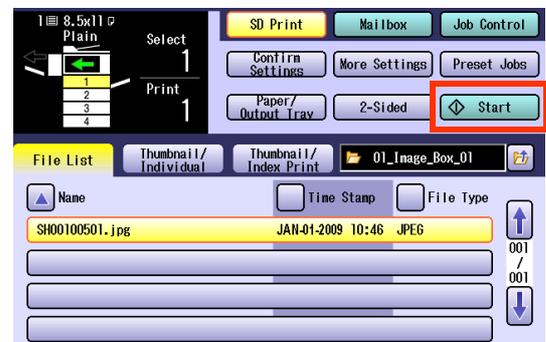
4 Select the desired data.



- Only one file can be selected at a time from the Image Box.

5 Enter the desired number of prints.

6 Select “Start”.



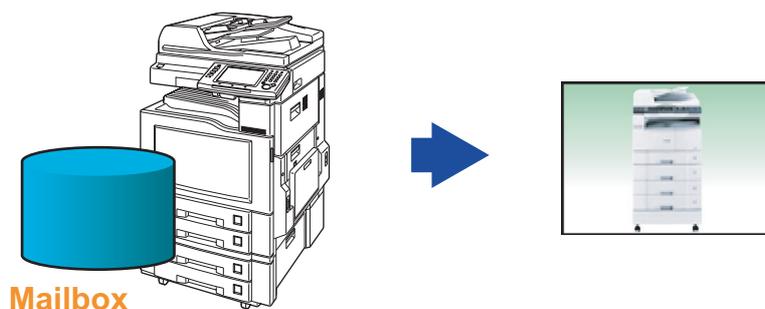
NOTE

- When canceling the operation, press the **Reset** key on the Control Panel.

Mailbox Printing

Printing from Mailbox

You can print data saved in the machine's Mailbox using the Control Panel. User ID (and password for Secure Mailbox) is required to print documents saved in Mailbox. Mailbox print is suitable for printing confidential documents.



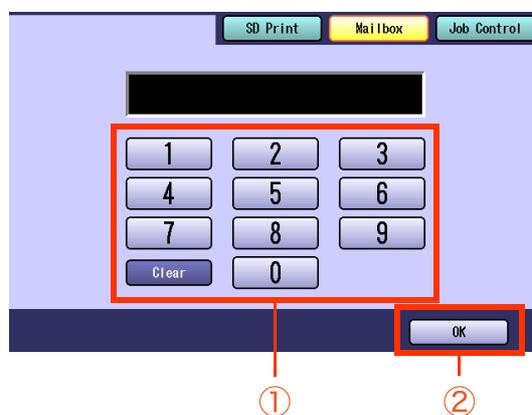
NOTE

- For instructions on how to save printing data to Mailbox, refer to **Print Operation (for Printer)** in the Document Management System (Printer Driver) of provided CD-ROM.

- 1 Press the **Print** key if the machine is set to other function mode.
- 2 Select **"Mailbox"**.

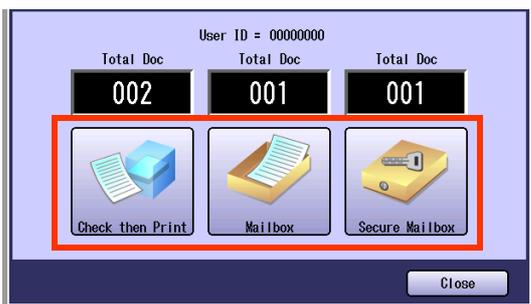


- 3 Enter the mailbox User ID (up to 8 digits), and then select **"OK"**.



- When print data is saved in only one of the mailboxes (Check then Print, Mailbox, or Secure Mailbox), the mailbox is opened. In this case, go to step 5.

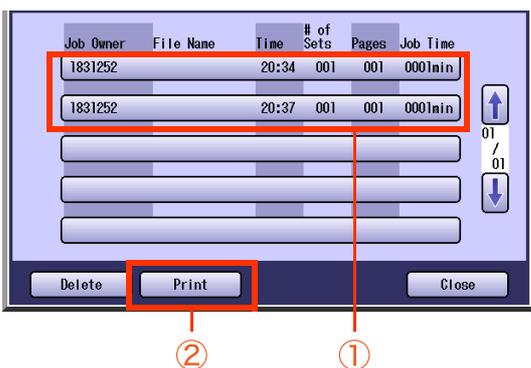
4 Select the desired mailbox.



Check then Print	Prints one proof set before printing multiple sets. The document data will be deleted after printing.
Mailbox	Prints data in the mailbox that is specified by User ID. The document data will remain in the mailbox until it is deleted.
Secure Mailbox	Prints data in the mailbox that is specified by User ID. Password is also required to print confidential documents saved in Secure Mailbox. The document data will remain in the mailbox until it is deleted.

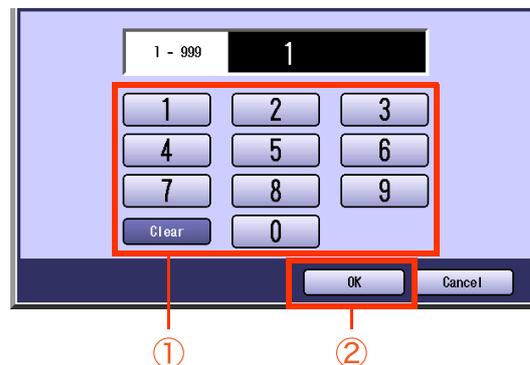
5 Select the desired data, and then select "Print".

- When Check then Print is selected



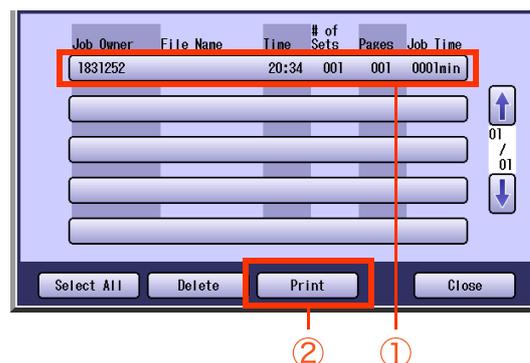
- Only one file can be selected at a time.

Enter the desired number of copies, and then select "OK".



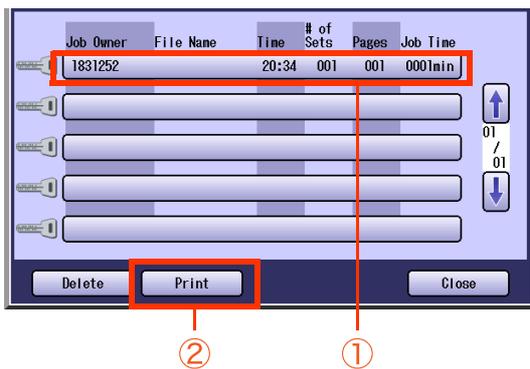
- When the Function Parameter "15 Check then Print Qty" (Printer Settings > Key Operator Mode) is set to "Yes", the screen confirming the number of copies is displayed. For more details, refer to **Printer Settings** in the Operating Instructions (For Function Parameters) of provided CD-ROM.

- When Mailbox is selected



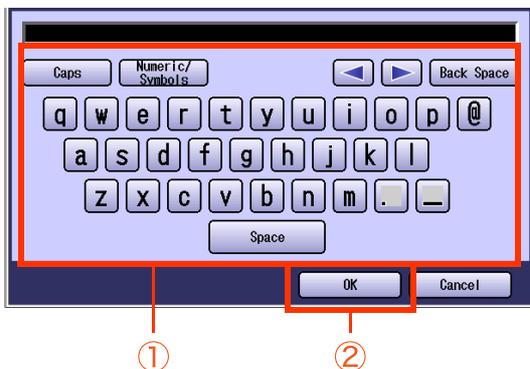
- All files can be selected at a time with the "Select All" button.
- When the Function Parameter "16 Mailbox Print Qty" (Printer Settings > Key Operator Mode) is set to "Yes", the screen confirming the number of copies is displayed. Enter the desired number, and then select "OK". For more details, refer to **Printer Settings** in the Operating Instructions (For Function Parameters) of provided CD-ROM.

□ When Secure Mailbox is selected



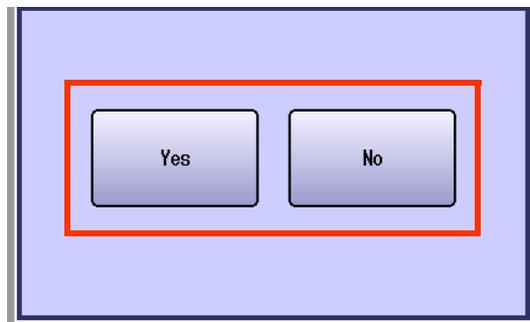
- Only one file can be selected at a time.

After selecting the data in Secure Mailbox, enter the password (8 to 16 digits), and then select “OK”.



- When saving print data in the Secure Mailbox of the machine, set the password in more than 8 digits (the machine does not accept the data with the password in less than 8 digits). For more details, refer to the Document Management System (Printer Driver) of provided CD-ROM.
- When the Function Parameter “17 Secure MB Print Qty” (Printer Settings > Key Operator Mode) is set to “Yes”, the screen confirming the number of copies is displayed. Enter the desired number, and select “OK”. For more details, refer to **Printer Settings** in the Operating Instructions (For Function Parameters) of provided CD-ROM.

6 When “Mailbox” or “Secure Mailbox” has been selected in step 4, select whether to delete the data after printing.



NOTE

- When canceling the operation, press the **Reset** key on the Control Panel.

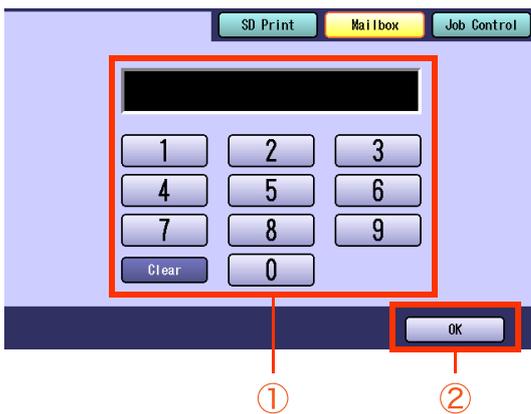
Deleting Mailbox Data

1 Press the **Print** key if the machine is set to other function mode.

2 Select **"Mailbox"**.

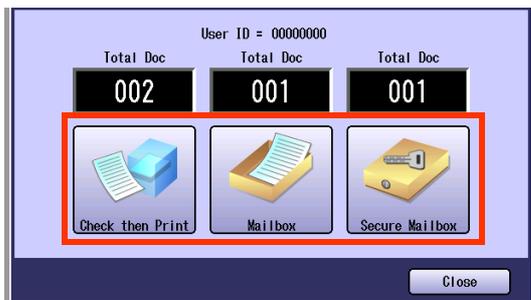


3 Enter the mailbox User ID (up to 8 digits), and then select **"OK"**.



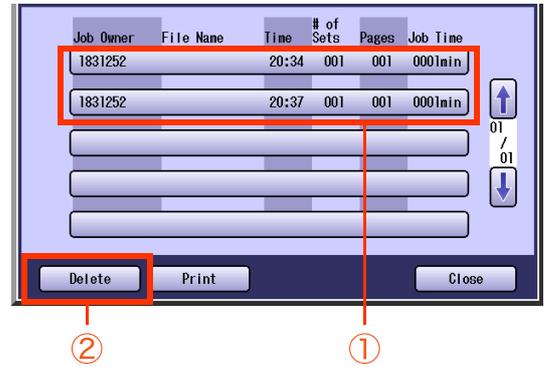
- When print data is saved in only one of the mailboxes (Check then Print, Mailbox, or Secure Mailbox), the mailbox is opened. In this case, go to step 5.

4 Select the desired mailbox.



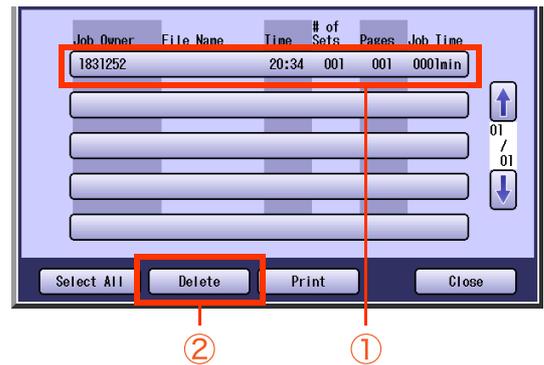
5 Select the desired data, and then select **"Delete"**.

When Check then Print is selected



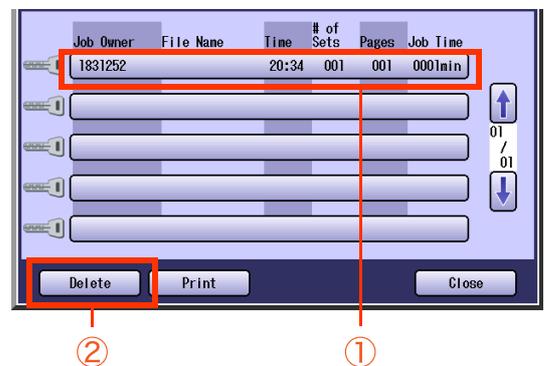
- Only one file can be selected at a time.

When Mailbox is selected



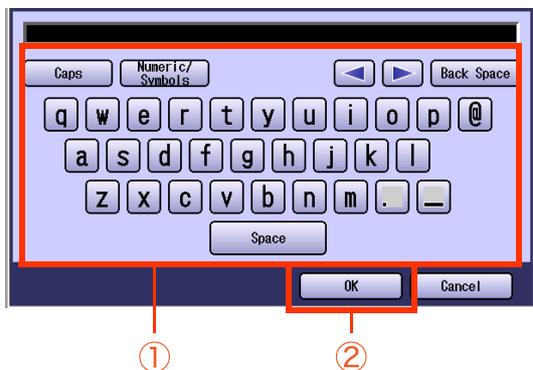
- All files can be selected at a time with the **"Select All"** button.

When Secure Mailbox is selected



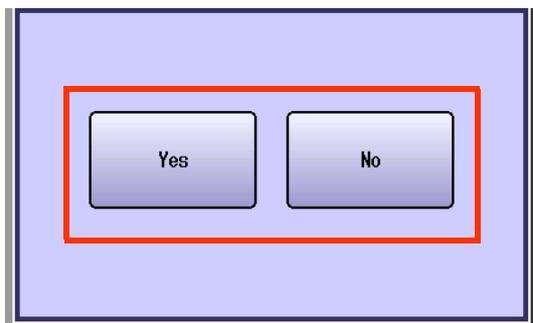
- Only one file can be selected at a time.

After selecting the data in Secure Mailbox, enter the password (8 to 16 digits), and then select **“OK”**.



- When saving print data in the Secure Mailbox of the machine, set the password in more than 8 digits (the machine does not accept the data with the password in less than 8 digits). For more details, refer to the Document Management System (Printer Driver) of provided CD-ROM.

6 Select **“Yes”** or **“No”**.



Job Control (Output Queue)

The following functions are available in the Job Control.

- On Line button: Turns the printer on-line.
- Off Line button: Turns the printer off-line.
- Cancel Print button: Stops the current print job and deletes the job from the output queue.
- Output Queue button: Displays the current print jobs.

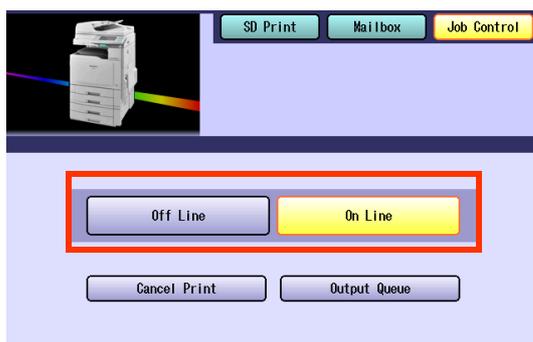
Turning the Printer On-Line and Off-Line

You can turn the printer on-line and off-line from the Control Panel.

- 1 Press the **Print** key if the machine is set to other function mode.
- 2 Select “**Job Control**”.



- 3 Select “**Off Line**” or “**On Line**”.



Canceling the Current Print Job

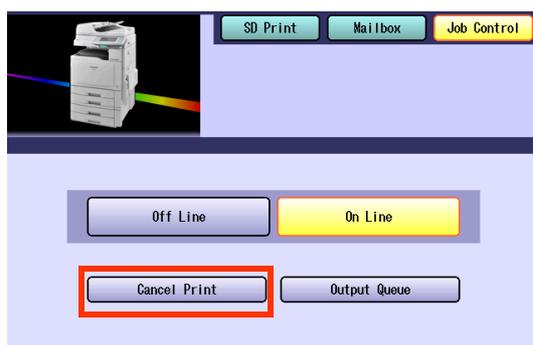
You can stop the current print job and delete the data from the output queue from the Control Panel.

1 Press the **Print** key if the machine is set to other function mode.

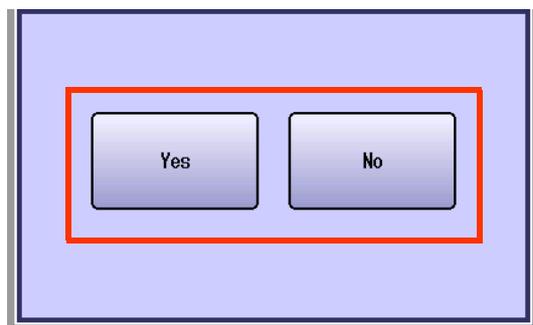
2 Select **“Job Control”**.



3 Select **“Cancel Print”**.



4 Select **“Yes”** or **“No”**.



Confirming the Print Jobs in the Output Queue

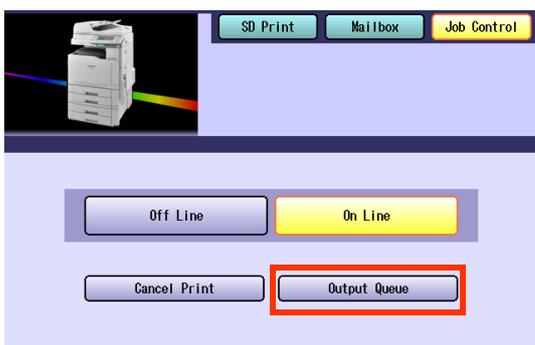
You can confirm jobs currently being printed or in the output queue, and also manage the jobs from the Control Panel.

1 Press the **Print** key if the machine is set to other function mode.

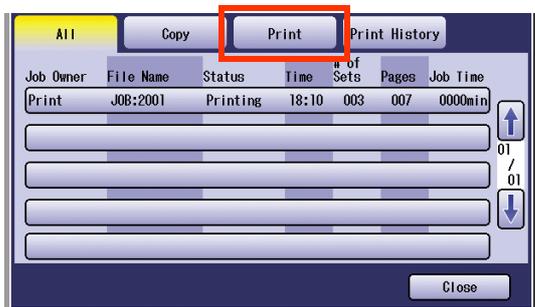
2 Select **“Job Control”**.



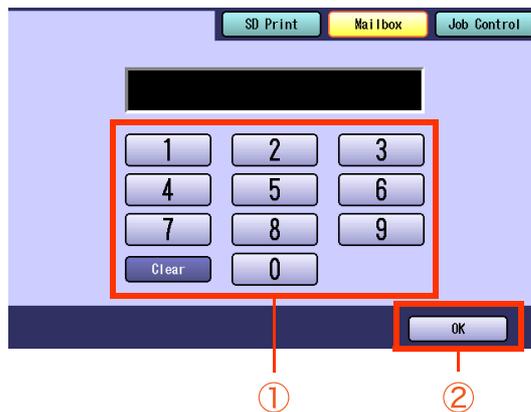
3 Select **“Output Queue”**.



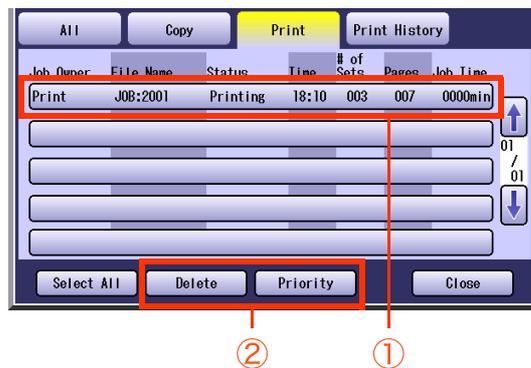
4 Select **“Print”**.



5 Enter the password (4 digits), and then select **“OK”**.



6 Select the desired print job, and manage the job.



Delete	Deletes the selected data from the Output Queue.
Priority	Sets the printing order of the selected print job.

- You can select all files at a time with the **“Select All”** button.

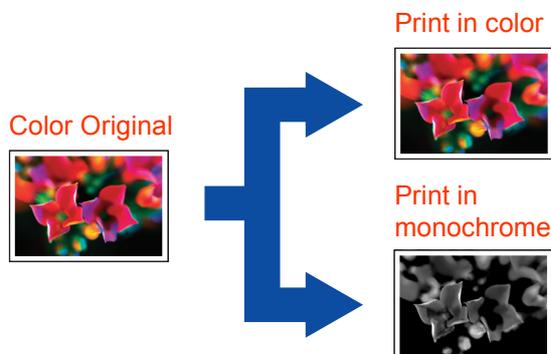
7 Select **“Close”**.



Memo

Selecting the Color Mode

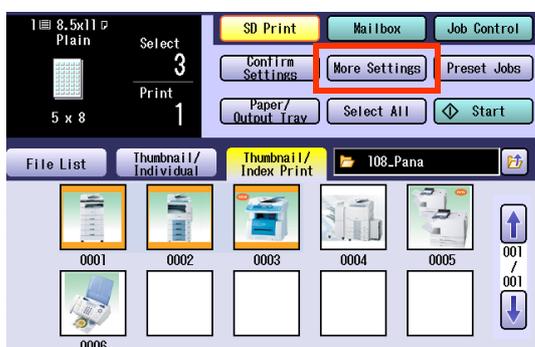
When printing directly from the SD Memory Card or USB Flash Memory, you can select the color mode.



NOTE

- The default Color mode settings can be changed with the Function Parameter “**30 SD Print Settings (00 Color Mode)**” (Printer Settings > General User Mode). Refer to **Printer Settings** in the Operating Instructions (For Function Parameters) of provided CD-ROM.
- The manually selected Color mode settings will return to the default settings under the following conditions.
 - If the **Reset** key is pressed.
 - If Auto Reset Time interval has lapsed (default = 1 min).
 - If the power is turned OFF.

1 Select “More Settings”.



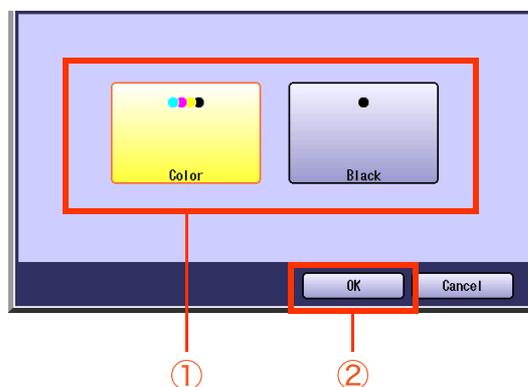
- To display “**More Settings**”, refer to steps 1 to 6 of **Printing from SD Memory Card** (see page 11) or steps 1 to 6 of **Printing from USB Flash Memory** (see page 14).

2 Select “Color Mode”.

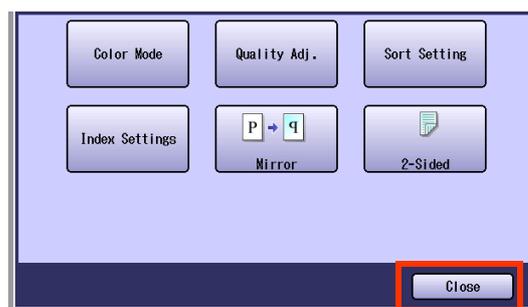
Ex: When “**More Settings**” is selected in “**Thumbnail/Index Print**” tab.



3 Select the desired color mode and then select “OK”.



4 Select “Close”.



- For the following procedure, refer to steps 7 to 9 of **Printing from SD Memory Card** (see page 13) or steps 7 to 9 of **Printing from USB Flash Memory** (see page 15).

Quality Adjusting

When printing directly from the SD Memory Card or USB Flash Memory, you can adjust the image quality.

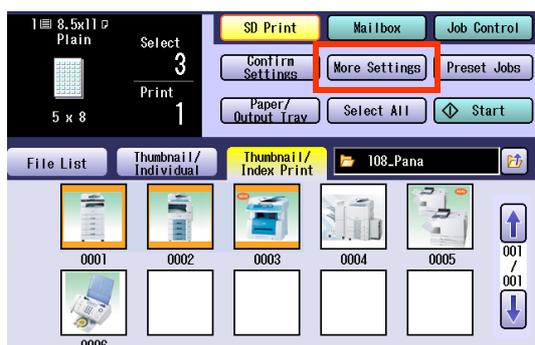
The following five quality adjustments are available.

- Contrast
- Brightness
- Saturation
- Tint
- Color Balance

NOTE

- You can adjust the image quality of JPEG files only.
- The default settings can be changed with the Function Parameter “**30 SD Print Settings**” (Printer Settings > General User Mode). Refer to **Printer Settings** in the Operating Instructions (For Function Parameters) of provided CD-ROM.
- Under the following situations, the Quality settings return to the standard settings.
 - If the **Reset** key is pressed.
 - If Auto Reset Time interval has lapsed (default = 1 min).
 - If the power is turned OFF.

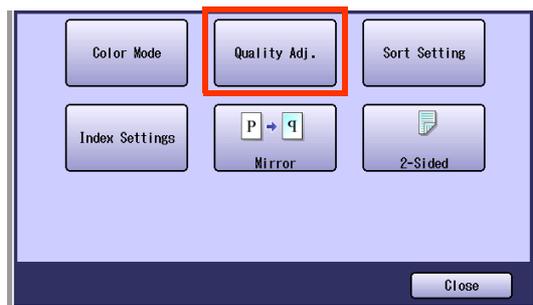
1 Select “More Settings”.



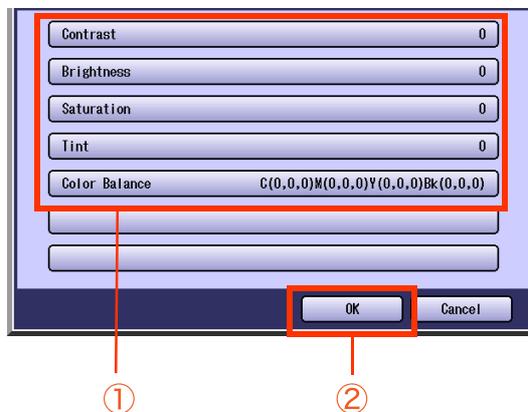
- To display “**More Settings**”, refer to steps 1 to 6 of **Printing from SD Memory Card** (see page 11) or steps 1 to 6 of **Printing from USB Flash Memory** (see page 14).

2 Select “Quality Adj.”.

Ex: When “**More Settings**” is selected in “**Thumbnail/Index Print**” tab.



3 Select the desired quality setting and adjust the setting, and then select “OK”.



- **Contrast** (see page 29)
- **Brightness** (see page 30)
- **Saturation** (see page 31)
- **Tint** (see page 32)
- **Color Balance** (see page 33)

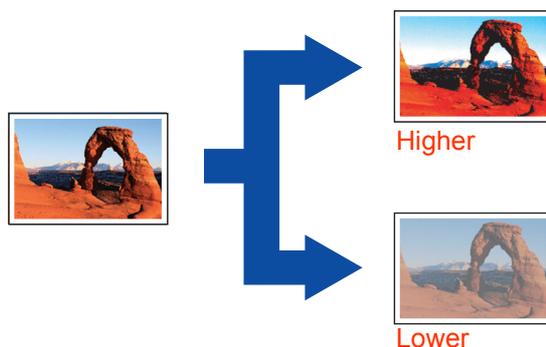
4 Select “Close”.



- For the following procedure, refer to steps 7 to 9 of **Printing from SD Memory Card** (see page 13) or steps 7 to 9 of **Printing from USB Flash Memory** (see page 15).

Contrast

Images can be printed with the adjusted contrast.

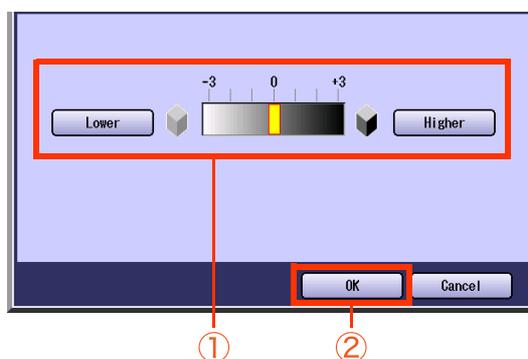


1 Select “Contrast”.



- To display this screen, refer to steps 1 and 2 of **Quality Adjusting** (see page 27).

2 Adjust the contrast with “Lower” or “Higher”, and then select “OK”.

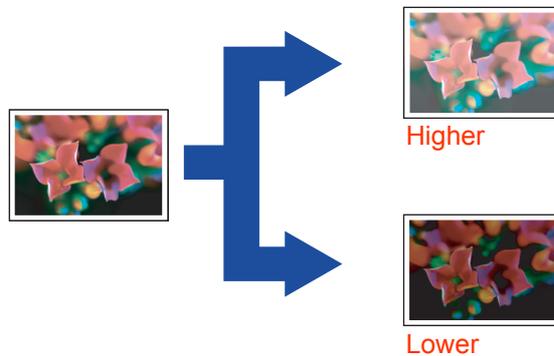


Lower	Each time it is selected, the contrast level decreases by 1 grade lower. (The distinction between brightness and darkness is reduced.)
Higher	Each time it is selected, the contrast level increases by 1 grade higher. (The distinction between brightness and darkness is increased.)

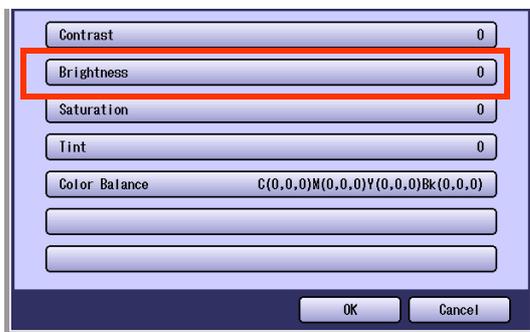
- The screen will return to step 1. Select “OK”, and then proceed to step 4 of **Quality Adjusting** (see page 28).

Brightness

Images can be printed with the adjusted brightness.

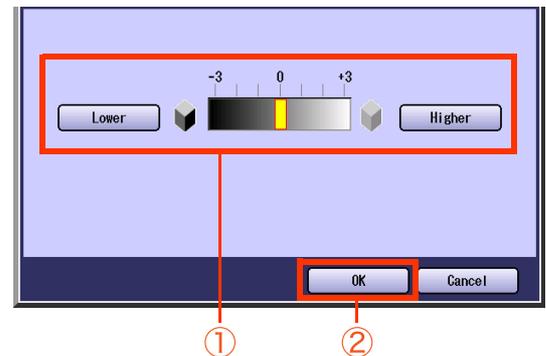


1 Select “Brightness”.



- To display this screen, refer to steps 1 and 2 of **Quality Adjusting** (see page 27).

2 Adjust the brightness with “Lower” or “Higher”, and then select “OK”.



Lower	Each time it is selected, the brightness level decreases by 1 grade lower.
Higher	Each time it is selected, the brightness level increases by 1 grade higher.

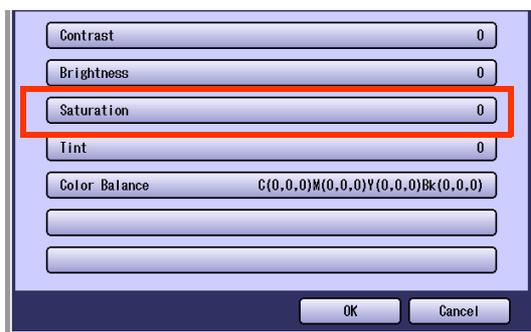
- The screen will return to step 1. Select “OK”, and then proceed to step 4 of **Quality Adjusting** (see page 28).

Saturation

Images can be printed with the adjusted saturation.

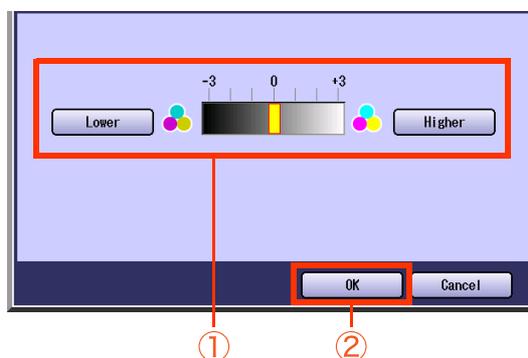


1 Select “Saturation”.



- To display this screen, refer to steps 1 and 2 of **Quality Adjusting** (see page 27).

2 Adjust the saturation with “Lower” or “Higher”, and then select “OK”.

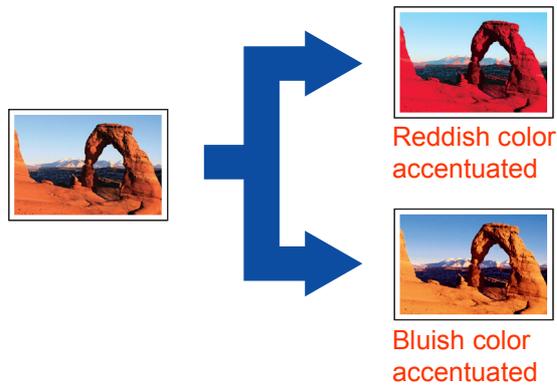


Lower	Each time it is selected, the saturation level decreases by 1 grade lower, reducing the color saturation.
Higher	Each time it is selected, the saturation level increases by 1 grade higher, increasing the color saturation.

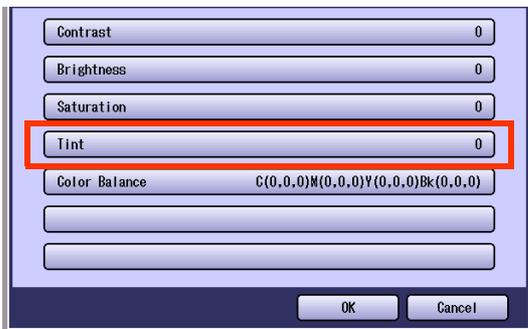
- The screen will return to step 1. Select “OK”, and then proceed to step 4 of **Quality Adjusting** (see page 28).

Tint

Images can be printed with reddish or bluish color accentuated.

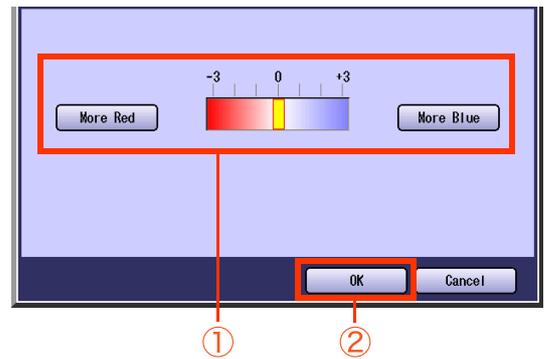


1 Select "Tint".



- To display this screen, refer to steps 1 and 2 of **Quality Adjusting** (see page 27).

2 Adjust the color tone with "More Red" or "More Blue", and then select "OK".



More Red	Each time it is selected, the level of reddish color increases by 1 grade. (The bluish color level decreases by 1 grade.)
More Blue	Each time it is selected, the level of bluish color increases by 1 grade. (The reddish color level decreases by 1 grade.)

- The screen will return to step 1. Select "OK", and then proceed to step 4 of **Quality Adjusting** (see page 28).

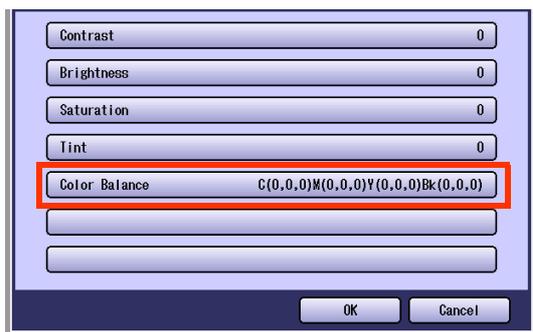
Color Balance

Images can be printed with the adjusted density level (Darker, Medium, and Lighter) of Cyan, Magenta, Yellow, and Black.

NOTE

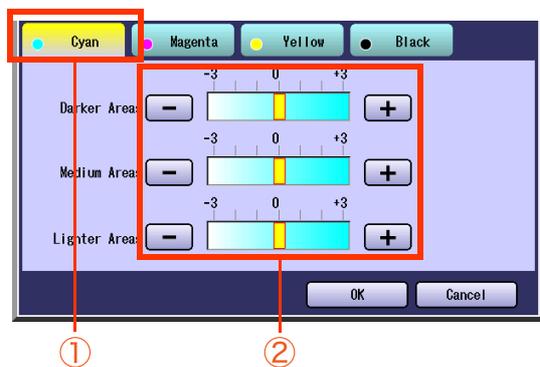
- The density of each color can be fine tuned for each of the three density levels.
- This function is useful for the fine adjustment of color photos. Unlike image editing software, this function cannot greatly change the color tone since the adjustable range at each density level is very narrow.

1 Select "Color Balance".



- To display this screen, refer to steps 1 and 2 of **Quality Adjusting** (see page 27).

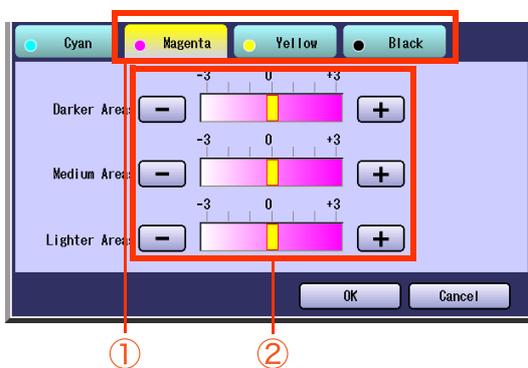
2 Select "Cyan", and then adjust Darker Areas, Medium Areas, and Lighter Areas with "-" or "+".



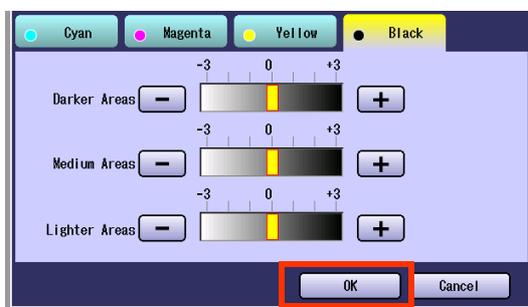
- The density range from the darkest level (100%) to the lightest level (0%) is equally divided into three range areas.

Darker Areas	Darkest area
Medium Areas	Area between the darkest and lightest areas
Lighter Areas	Lightest area

3 Select remaining colors, and then adjust the Color Balance as shown in step 2.



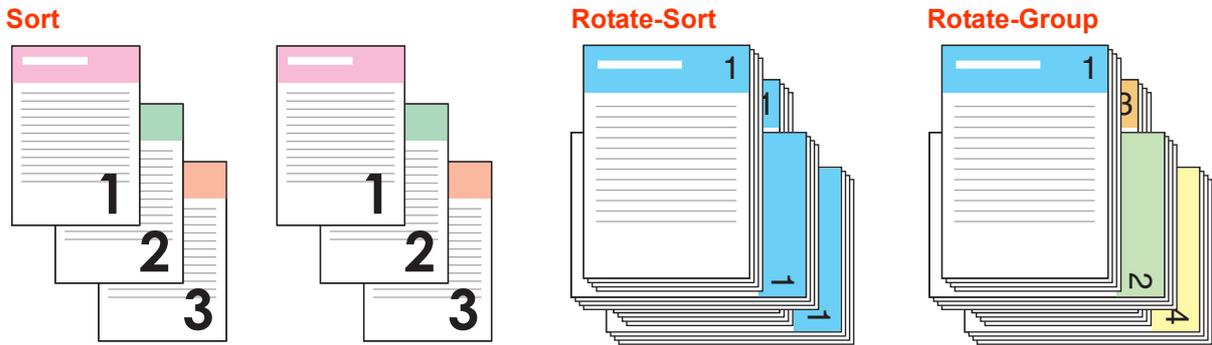
4 Select "OK".



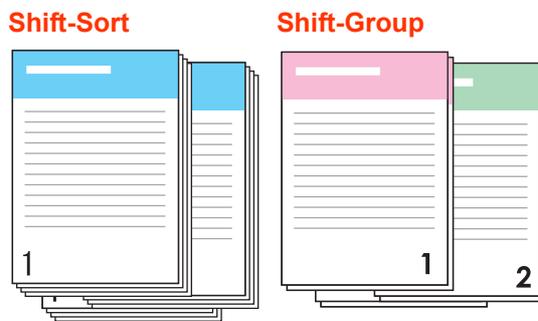
- The screen will return to step 1. Select "OK", and then proceed to step 4 of **Quality Adjusting** (see page 28).

Sort Mode

Printed copies can be sorted by set.



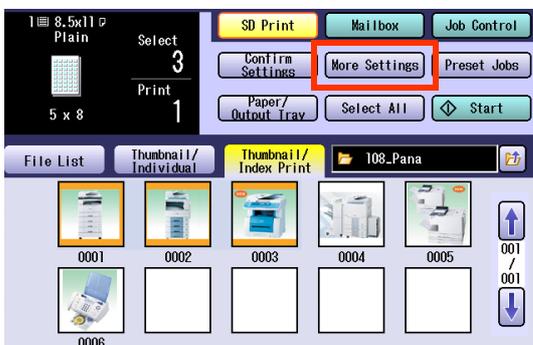
The following Finishing modes are available instead of “Rotate-Sort” and “Rotate-Group” when the optional Finisher is installed.



NOTE

- Only 8.5" x 11" (Letter/Letter-R) size is applicable for “Rotate-Sort” and “Rotate-Group”. When “Rotate-Sort” or “Rotate-Group” is selected with Letter and Letter-R size paper loaded in the paper tray, sets of copies are stacked in alternate direction (rotation of 90 degrees).
- The default setting of Sort can be changed with the Function Parameter “30 SD Print Settings (11 Sort Priority)” (Printer Settings > General User Mode). Refer to **Printer Settings** in the Operating Instructions (For Function Parameters) of provided CD-ROM.

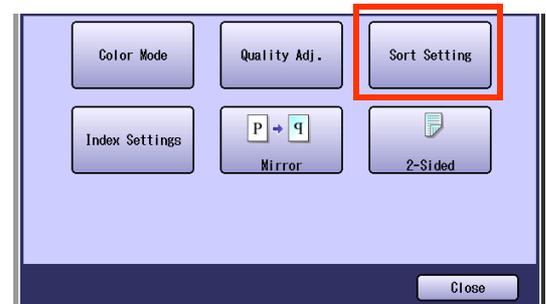
1 Select “More Settings”.



- To display “More Settings”, refer to steps 1 to 6 of **Printing from SD Memory Card** (see page 11) or steps 1 to 6 of **Printing from USB Flash Memory** (see page 14).

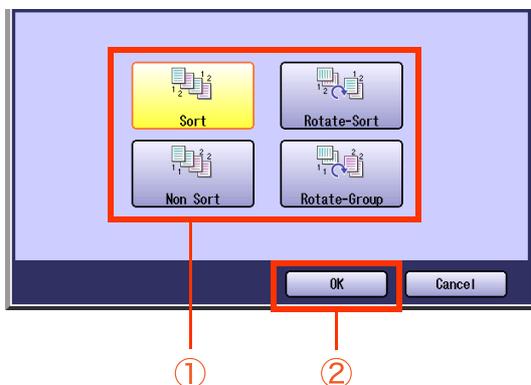
2 Select “Sort Setting”.

Ex: When “More Settings” is selected in “Thumbnail/Index Print” tab.

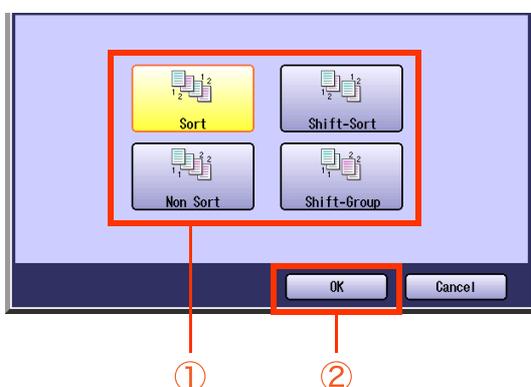


3 Select the desired sort setting, and then select “OK”.

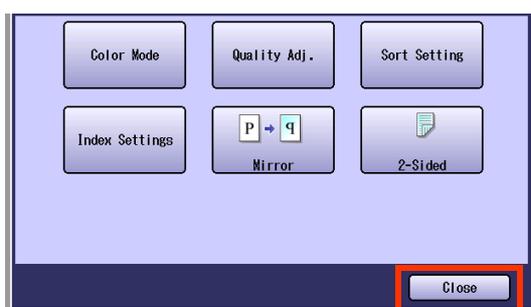
- When the optional Finisher is not installed



- When the optional Finisher is installed



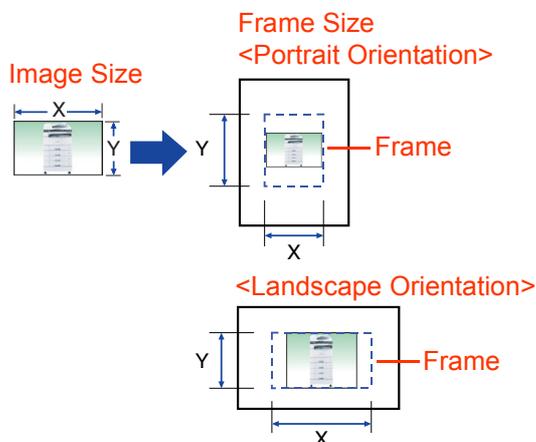
4 Select “Close”.



- For the following procedure, refer to steps 7 to 9 of **Printing from SD Memory Card** (see page 13) or steps 7 to 9 of **Printing from USB Flash Memory** (see page 15).

Selecting the Frame Size for Individual Print

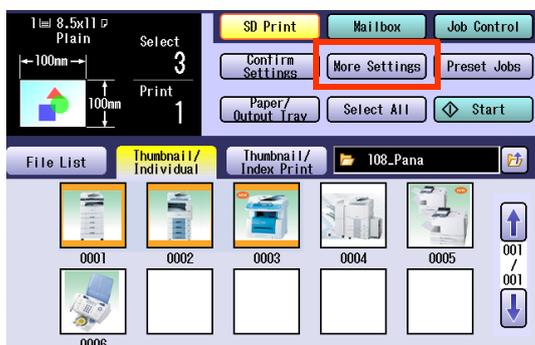
When you print images individually, set the frame size in which the image will be printed without changing the horizontal to vertical ratio.



NOTE

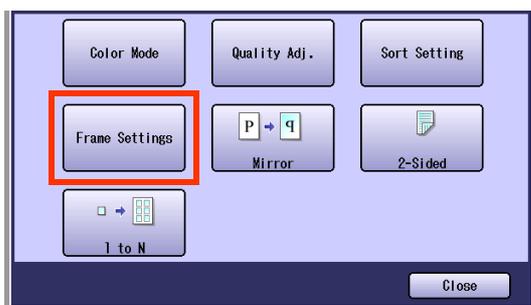
- This function is only available when an image is selected in the Thumbnail/Individual tab.
- The Frame Size is different from the printed image size.

1 Select "More Settings".

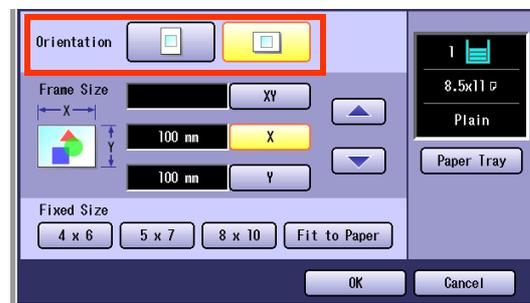


- To display this screen, select the Thumbnail/Individual tab in step 4 of **Printing from SD Memory Card** (see page 12).

2 Select "Frame Settings".

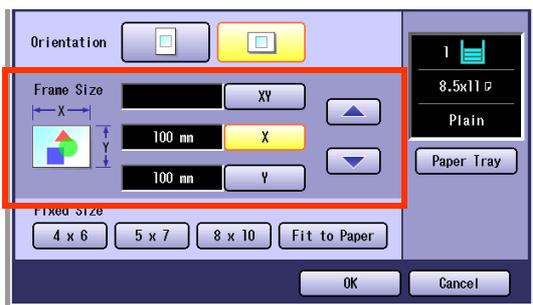


3 Select the orientation of the printed paper.



- The default setting of Orientation can be changed with the Function Parameter "**30 SD Print Settings (12 Individual Orientation)**". Refer to **Printer Settings** in the Operating Instructions (For Function Parameters) of provided CD-ROM.

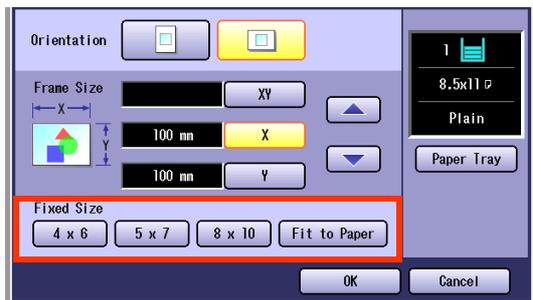
4 Enter the frame size.



	Select to set the horizontal and vertical frame size in the same ratio.
	Select to set the horizontal frame size.
	Select to set the vertical frame size.

- The paper size should be larger than the frame size.

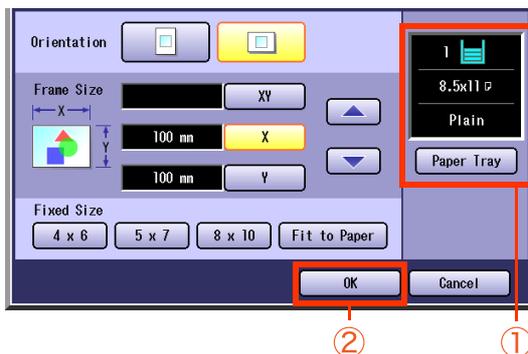
5 Select the desired preset image size.



	4" x 6" Horizontal 6" Vertical 4"
	5" x 7" Horizontal 7" Vertical 5"
	8" x 10" Horizontal 10" Vertical 8"
	Fits to the paper size.

- The default setting of Fixed Size can be changed with the Function Parameter "30 SD Print Settings (13 Fixed Size)". Refer to **Printer Settings** in the Operating Instructions (For Function Parameters) of provided CD-ROM.

6 Select the desired Paper Tray, and then select "OK".

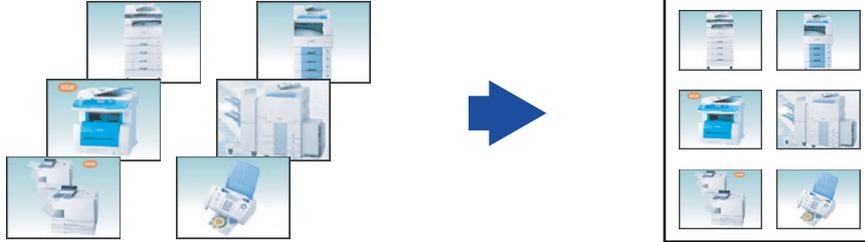


7 Select "Close".

- For the following procedure, refer to steps 7 to 9 of **Printing from SD Memory Card** (see page 13).

Selecting the Layout for Index Print

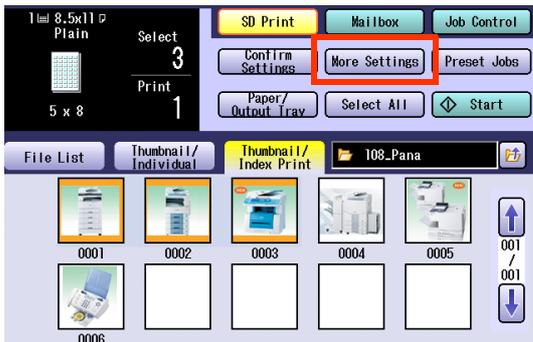
When you print thumbnail indexes, set the print layout.



NOTE

- This function is only available when an image is selected in the Thumbnail/Index Print tab.
- The default setting of index layout can be changed with the Function Parameter “**30 SD Print Settings (14 Index Style)**” (Printer Settings > General User Mode). Refer to **Printer Settings** in the Operating Instructions (For Function Parameters) of provided CD-ROM.

1 Select “More Settings”.

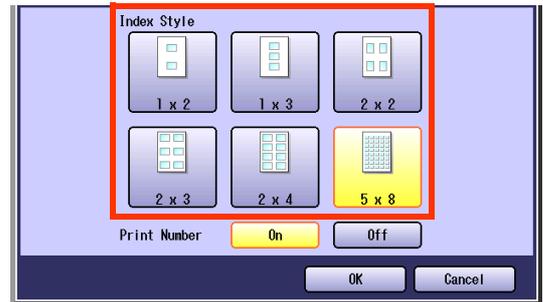


- To display this screen, select the Thumbnail/Index Print tab in step 4 of **Printing from SD Memory Card** (see page 12).

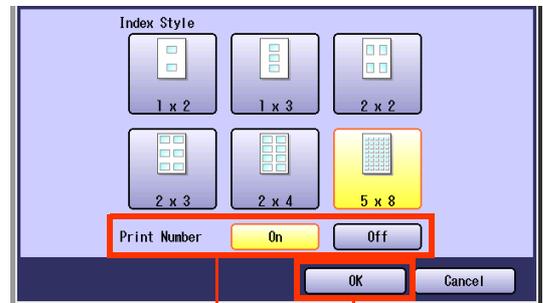
2 Select “Index Settings”.



3 Select the desired print layout.



4 Select whether to print numbers, and then select “OK”.

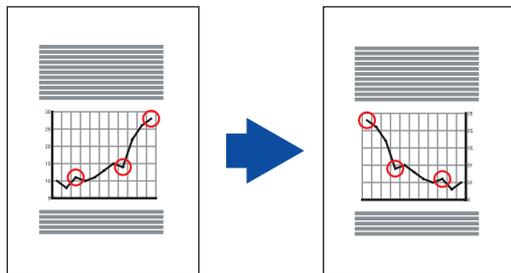


5 Select “Close”.

- For the following procedure, refer to steps 7 to 9 of **Printing from SD Memory Card** (see page 13).

Mirror Image

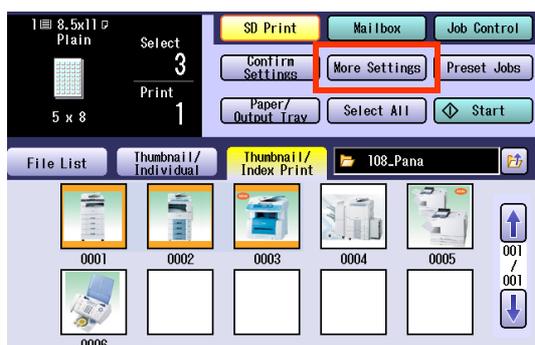
When you print images individually or thumbnail indexes, you can print laterally reversed image of an original.



NOTE

- This function is not available when an image is selected in the File List tab.

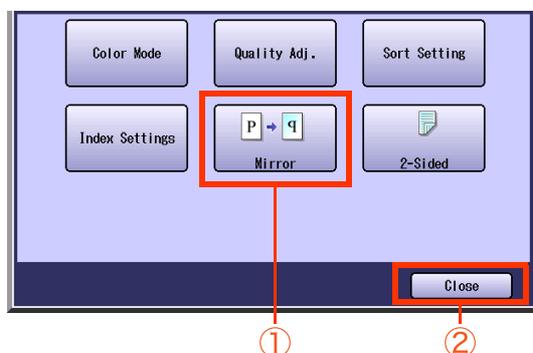
1 Select “More Settings”.



- To display “More Settings”, refer to steps 1 to 6 of **Printing from SD Memory Card** (see page 11).

2 Select “Mirror”, and then select “Close”.

Ex: When “More Settings” is selected in “Thumbnail/Index Print” tab.



- For the following procedure, refer to steps 7 to 9 of **Printing from SD Memory Card** (see page 13).

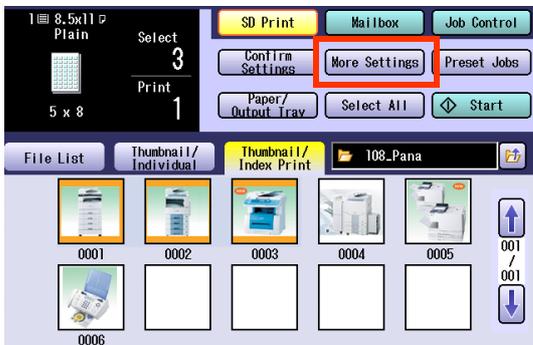
2-Sided Mode

You can print images onto both sides of a sheet.

NOTE

- When an image is selected in the File List tab, select the **"2-Sided"** button on the SD Print screen instead of the procedures described below.
- The standard setting of 2-Sided mode can be changed with the Function Parameter **"05 2-Sided Print"** (Printer Settings > General User Mode). Refer to **Printer Settings** in the Operating Instructions (For Function Parameters) of provided CD-ROM.
- Special papers such as cardboard cannot be used for the 2-Sided print.

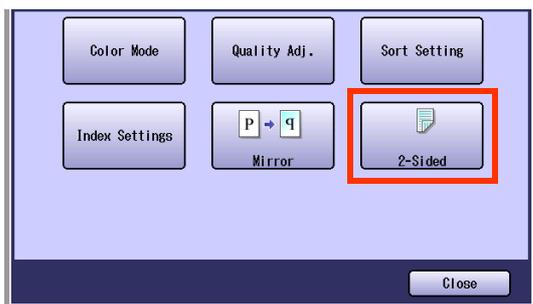
1 Select "More Settings".



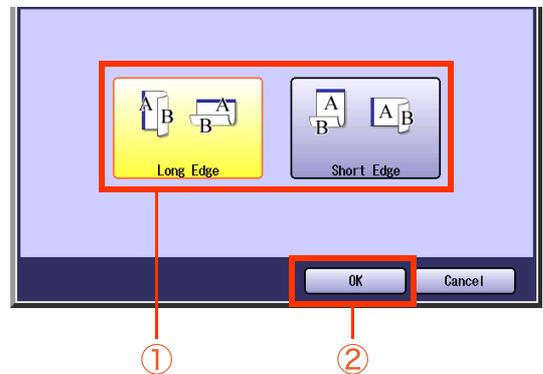
- To display **"More Settings"**, refer to steps 1 to 6 of **Printing from SD Memory Card** (see page 11).

2 Select "2-Sided".

Ex: When **"More Settings"** is selected in **"Thumbnail/Index Print"** tab.



3 Select the binding position, and then select "OK".

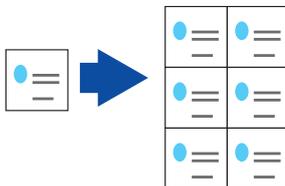


4 Select "Close".

- For the following procedure, refer to steps 7 to 9 of **Printing from SD Memory Card** (see page 13).

Image Repeat

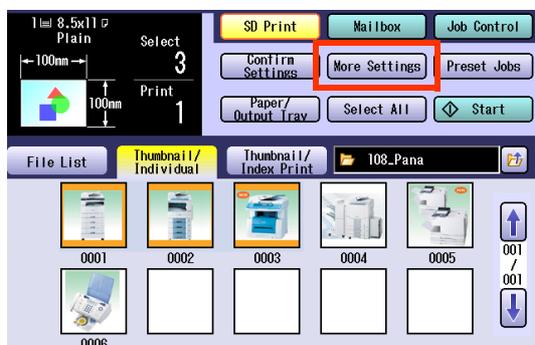
When you print an image individually, multiple images of an original can be printed onto a sheet.



NOTE

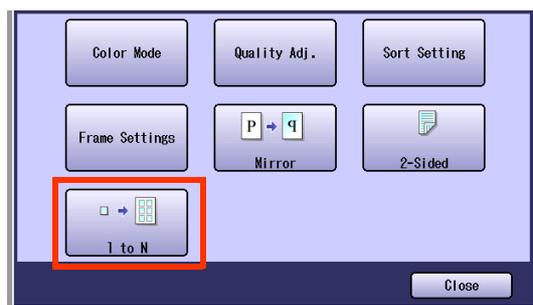
- This function is only available when an image is selected in the Thumbnail/Individual tab.

1 Select “More Settings”.

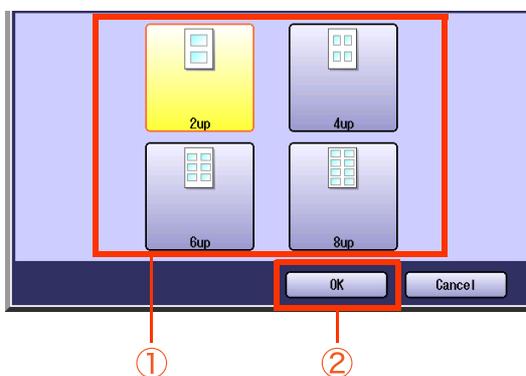


- To display this screen, select the Thumbnail/Individual tab in step 4 of **Printing from SD Memory Card** (see page 12).

2 Select “1 to N”.



3 Select the desired number for image repeat, and then select “OK”.



4 Select “Close”.

- For the following procedure, refer to steps 7 to 9 of **Printing from SD Memory Card** (see page 13).

Preset Jobs

Preset Job function simplifies setting procedures and improves operating efficiency.

Storing a Job in Memory

You can register the frequently used print settings to job buttons.

NOTE

- Up to 10 preset jobs can be registered.
- Once registered, the print job settings are kept in the job memory until they are overwritten by new settings.
- Refer to **Recalling a Preset Job Stored in Memory** (see page 44).

1 Press the **Print** key if the machine is set to other function mode.

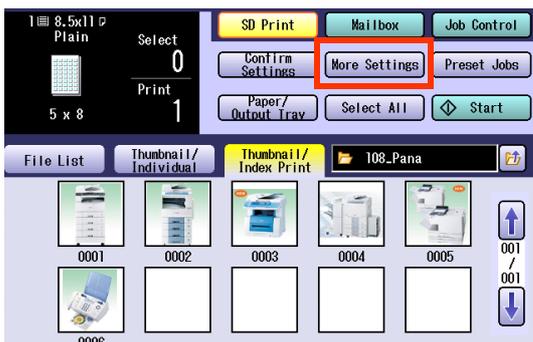
2 Select “SD Print”.



3 Insert the SD Memory Card or connect the USB Flash Memory.

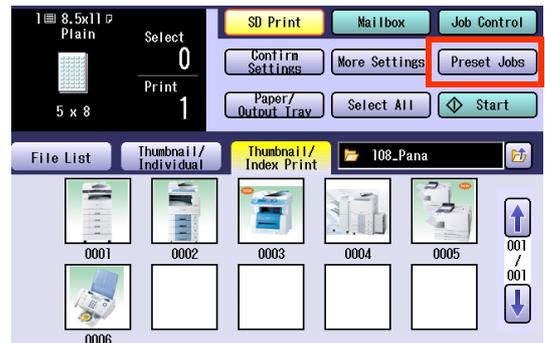
- For details on how to insert the SD Memory Card, refer to step 2 of **Printing from SD Memory Card** (see page 11).
- For details on how to connect the USB Flash Memory, refer to step 3 of **Printing from USB Flash Memory** (see page 14).

4 Select the print features (see pages 26 to 41).

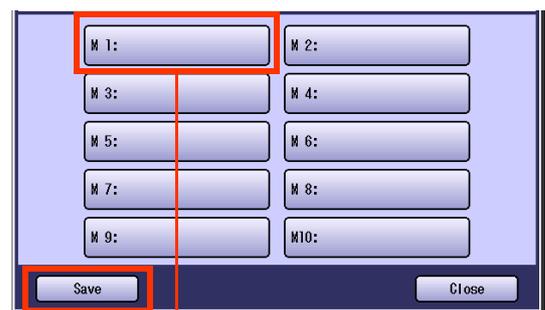


5 Enter the desired number of prints.

6 Select “Preset Jobs”.



7 Select “Save”, and then select a job button.



- Job name is displayed on the button in which a job has been already registered.

- 8 Enter a job name, and then select “OK”.



- Up to 20 characters can be entered.
- For instructions on how to enter characters, refer to **Using the Keyboard** in the Operating Instructions (For Function Parameters) of provided CD-ROM.

NOTE

- After completing the editing of the job name, press the **Reset** key to return to the initial screen of the currently active mode.

Recalling a Preset Job Stored in Memory

You can recall the registered print settings by selecting preset job buttons.

NOTE

- Refer to **Storing a Job in Memory** (see page 42).

1 Press the **Print** key if the machine is set to other function mode.

2 Select “SD Print”.

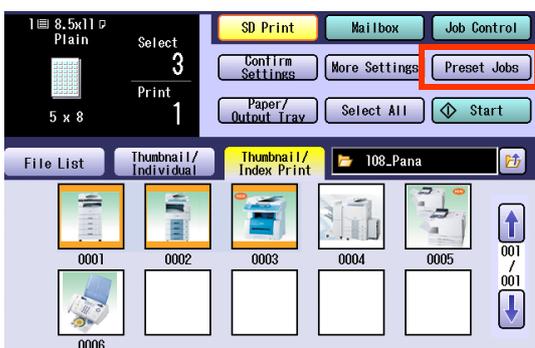


3 Insert the SD Memory Card or connect the USB Flash Memory.

- For details on how to insert the SD Memory Card, refer to step 2 of **Printing from SD Memory Card** (see page 11).
- For details on how to connect the USB Flash Memory, refer to step 3 of **Printing from USB Flash Memory** (see page 14).

4 Select the desired data.

5 Select “Preset Jobs”.

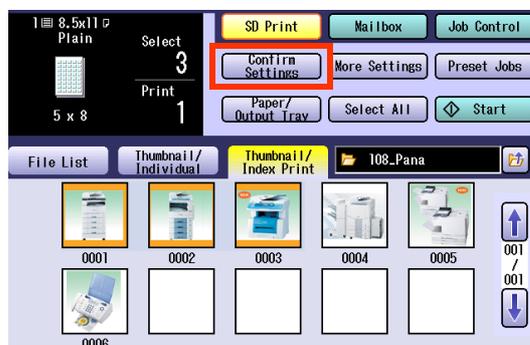


6 Select the desired preset job.



- Job buttons without names, indicate that jobs have not been registered.
- If the Confirmation screen is displayed, select “Close”.

7 To confirm the job settings, select “Confirm Settings”, and then select “Close”.



- To change the setting, refer to **Confirming/Editing the Selected Print Features** (see page 45).

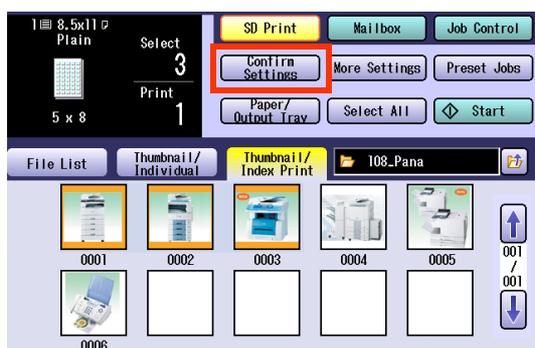
8 Press the **Start** key.

NOTE

- After finishing printing, press the **Reset** key to return to the initial screen of the currently active mode.

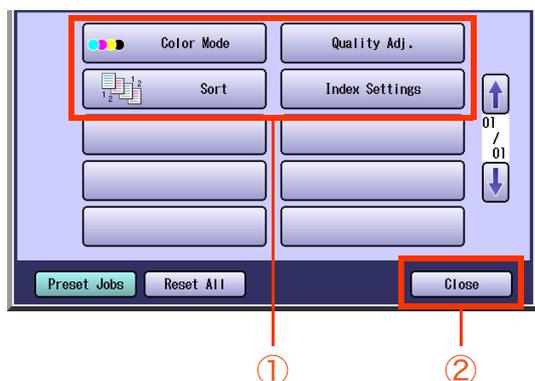
Confirming/Editing the Selected Print Features

- 1** After setting print features, select **“Confirm Settings”**.



- For details on how to set print features, see pages 26 to 41.

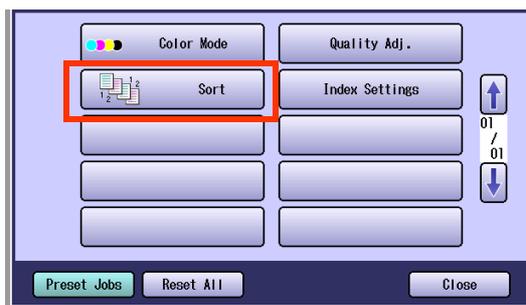
- 2** Confirm the settings, and then select **“Close”**.



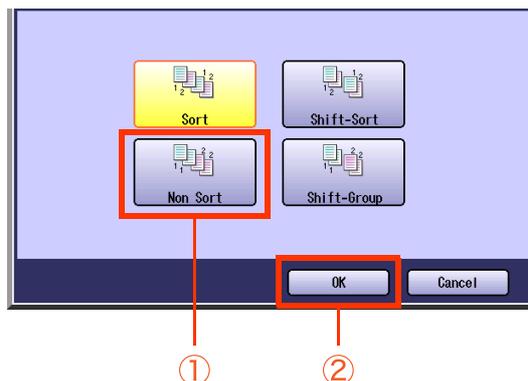
- To cancel all the settings, select **“Reset All”**.
- To register the settings to Preset Job buttons, select **“Preset Jobs”**. For details, refer to steps 7 to 8 of **Storing a Job in Memory** (see page 42).
- To edit the settings, select the button of the setting that you want to edit. For details on each setting screen, refer to the corresponding section (see pages 26 to 41).

- Ex:** Changing the Sort mode to the Non Sort mode when optional Finisher is installed

Select **“Sort”**.



Select **“Non Sort”**, and then select **“OK”**.



Select **“Close”**.



Tips for Solving Problems

Printing Operation Failure

If the printing operation fails, check the following items.

Symptom	Action	Refer to
Cannot print	Check that papers are loaded properly in the paper tray of the device.	Operating Instructions (For Maintenance)
	Check that an error message is not displayed on the device.	

Documents Not Printing Correctly

Symptom	Possible Causes/Solutions	Refer to
Incorrect printing position or print is missing at the edge.	The specified paper is not loaded in the machine. Check the settings again, or load the appropriate paper.	Operating Instructions (For Maintenance)
	The document margin is not sufficient.	
Printing stops in the middle of run.	Check that papers are loaded properly in the paper tray of the device.	
Document is not printed from Sheet Bypass.	Check the paper size set to the Sheet Bypass tray. The following paper sizes can be set to the Sheet Bypass Tray: Ledger, Legal, Letter, and Invoice.	

Error Messages

From the error messages displayed on the Touch Panel Display, it is possible to know the causes of the problem, and the solutions.

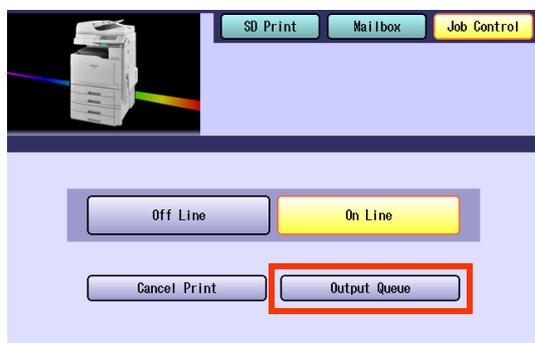
Checking Error Messages

1 Press the **Print** key if the machine is set to other function mode.

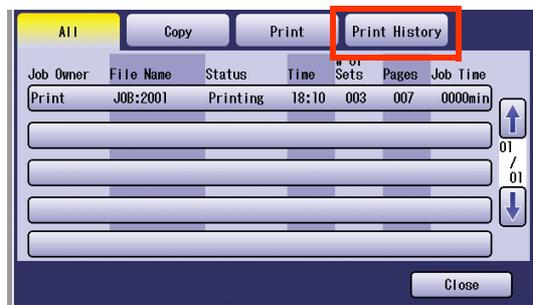
2 Select **“Job Control”**.



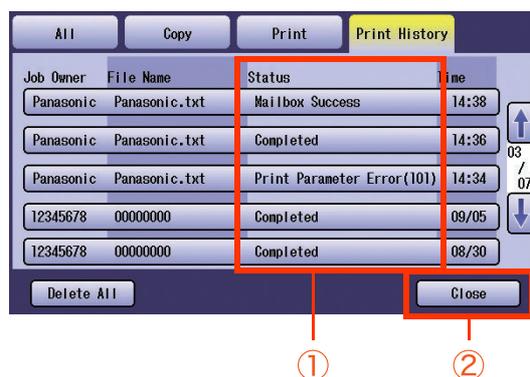
3 Select **“Output Queue”**.



4 Select **“Print History”**.



5 Confirm the messages displayed on the Status column, and then select **“Close”**.



Error Messages	Possible Causes/Solutions
Print Parameter Error(001)	The Duplex Unit does not function properly. Contact to the Panasonic Authorized Dealer to maintain your machine.
Print Parameter Error(101)	Paper size unable to print in 2-Sided is selected. (Duplex printing is not possible from the tray set with A5 in Landscape format.)
Print Parameter Error(119)	Specified a wrong Media Type when printing a document with Rotate sorting. Verify the Media Type setting on your machine.

Combined Print Functions

File List Tab

Newly Set Functions \ Initially Set Functions	Initially Set Functions															
	Inner	Outer	Sort	Non Sort	Shift-Sort	Shift-Group	Rotate-Sort	Rotate-Group	Tint	Brightness	Saturation	Color Balance	Contrast	Color Mode	2-Sided	
Inner	/	A			A ^{*1}	A ^{*1}										
Outer	A	/					A ^{*2}	A ^{*2}								
Sort			/	A	A	A	A	A								
Non Sort			A	/	A	A	A	A								
Shift-Sort	A ^{*3}		A	A	/	A	A	A								
Shift-Group	A ^{*4}		A	A	A	/	A	A								
Rotate-Sort		A ^{*5}	A	A	A	A	/	A								
Rotate-Group		A ^{*6}	A	A	A	A	A	/								
Tint									/						*7	
Brightness										/						
Saturation											/				*7	
Color Balance												/			*8	
Contrast													/			
Color Mode									*7		*7	*8		/		
2-Sided															/	

Blank: Combined setting is available.

x: Combined setting is not available.

A: The latter selection has the priority over the initially selected function.

/: There is no combination.

*1: The Output Tray setting is automatically changed to **“Outer”** even if **“Inner”** has been initially selected.

*2: The Output Tray setting is automatically changed to **“Inner”** even if **“Outer”** has been initially selected.

*3: The Sort setting is automatically changed to **“Sort”** even if **“Shift-Sort”** has been initially selected.

*4: The Sort setting is automatically changed to **“Non Sort”** even if **“Shift-Group”** has been initially selected.

*5: The Sort setting is automatically changed to **“Sort”** even if **“Rotate-Sort”** has been initially selected.

*6: The Sort setting is automatically changed to **“Non Sort”** even if **“Rotate-Group”** has been initially selected.

*7: When **“Black”** has been selected in **“Color Mode”**, this function is invalid even if it is selected.

*8: When **“Black”** has been selected in **“Color Mode”**, the settings of Cyan, Magenta, and Yellow are invalid even if adjusted.

Thumbnail/Individual and Thumbnail/Index Print Tabs

Newly Set Functions \ Initially Set Functions	Inner	Outer	Sort	Non Sort	Shift-Sort	Shift-Group	Rotate-Sort	Rotate-Group	Tint	Brightness	Saturation	Color Balance	Contrast	Color Mode	Frame Settings	Index Settings	Mirror	2-Sided	1 to N
Inner	/	A			A*1	A*1													
Outer	A	/					A*2	A*2											
Sort			/	A	A	A	A	A											
Non Sort			A	/	A	A	A	A											
Shift-Sort	A*3		A	A	/	A	A	A											
Shift-Group	A*4		A	A	A	/	A	A											
Rotate-Sort		A*5	A	A	A	A	/	A											
Rotate-Group		A*6	A	A	A	A	A	/											
Tint									/					*7					
Brightness										/									
Saturation											/			*7					
Color Balance												/		*8					
Contrast													/						
Color Mode									*7		*7	*8		/					
Frame Settings															/	A			A
Index Settings															A	/			A
Mirror																	/	A	
2-Sided																	A	/	
1 to N															x	A			/

Specifications

PCL Printer Unit

Printing Speed: (Plain paper, from Paper Tray 1)	Color : Up to 30 sheets/minute (DP-C406/C306) Up to 26 sheets/minute (DP-C266) B & W : Up to 40 sheets/minute (DP-C406) Up to 30 sheets/minute (DP-C306) Up to 26 sheets/minute (DP-C266)
Resolution (dots per inch):	Max. 1200 x 1200 dpi
Interface:	USB 2.0, Ethernet (10Base-T/100Base-TX/1000Base-T)
Applicable OS:	Windows 2000 ^{*1} , XP ^{*2} , Server 2003 ^{*3} , Vista ^{*4} , Server 2008 ^{*5}

*1 Microsoft® Windows® 2000 operating system

*2 Microsoft® Windows® XP operating system

*3 Microsoft® Windows Server® 2003 operating system

*4 Microsoft® Windows Vista® operating system

*5 Microsoft® Windows Server® 2008 operating system

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