MP C2050/C2550
MP C2050/C2550
Aficio™ MP C2050/C2550

Operating Instructions
Printer Reference

1. Preparing the Machine
2. Setting Up the Printer Driver
3. Print Functions Available for This Machine
4. Direct Printing from a Digital Camera (PictBridge)
5. Saving and Printing Using the Document Server
6. Printer Features
7. Appendix

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 "About This Machine" before using the machine.

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2. Setting Up the Printer Driver

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Manuals for This Machine

Read this manual carefully before you use this machine.

Refer to the manuals that are relevant to what you want to do with the machine.

⭐ **Important**

- Media differ according to manual.
- The printed and electronic versions of a manual have the same contents.
- Adobe Acrobat Reader/Adobe Reader must be installed in order to view the manuals as PDF files.
- A Web browser must be installed in order to view the html manuals.

About This Machine

Before using the machine, be sure to read the section of this manual entitled Safety Information.

This manual introduces the machine's various functions. It also explains the control panel, preparation procedures for using the machine, how to enter text, how to install the CD-ROMs provided, and how to replace paper, toner, staples, and other consumables.

Troubleshooting

Provides a guide for resolving common usage-related problems.

Copy and Document Server Reference

Explains Copier and Document Server functions and operations. Also refer to this manual for explanations on how to place originals.

Facsimile Reference

Explains Facsimile functions and operations.

Printer Reference

Explains Printer functions and operations.

Scanner Reference

Explains Scanner functions and operations.

Network and System Settings Guide

Explains how to connect the machine to a network, configure and operate the machine in a network environment, and use the software provided. Also explains how to change User Tools settings and how to register information in the Address Book.

Security Reference

This manual is for administrators of the machine. It explains security functions that you can use to prevent unauthorized use of the machine, data tampering, or information leakage. For enhanced security, we recommend the following settings:

- Install the Device Certificate.
- Enable SSL (Secure Sockets Layer) Encryption.

- Change the user name and password of the administrator using Web Image Monitor.

For details, see "Setting Up the Machine", Security Reference.

Be sure to read this manual when setting the enhanced security functions, or user and administrator authentication.

PostScript 3 Supplement

Explains how to set up and use PostScript 3.

Other manuals

- UNIX Supplement
- Quick Reference Copy Guide
- Quick Reference Printer Guide
- Quick Reference Fax Guide
- Quick Reference Scanner Guide
- Manuals for DeskTopBinder Lite
  - DeskTopBinder Lite Setup Guide
  - DeskTopBinder Introduction Guide
  - Auto Document Link Guide

🔽 **Note**

- Manuals provided are specific to machine types.
- For "UNIX Supplement", please visit our Web site or consult an authorized dealer. This manual includes descriptions of functions and settings that might not be available on this machine.
- The following software products are referred to using general names:

Product Name	General name
DeskTopBinder Lite and DeskTopBinder Professional [*1]	DeskTopBinder

*1 Optional

Notice

Important

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.

For good copy quality, the supplier recommends that you use genuine toner 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 form the supplier with your office products.

How to Read This Manual

Symbols

This manual uses the following symbols:

⭐ **Important**

Indicates points to pay attention to when using the machine, and explanations of likely causes of paper misfeeds, damage to originals, or loss of data. Be sure to read these explanations.

⬇ **Note**

Indicates supplementary explanations of the machine's functions, and instructions on resolving user errors.

📄 **Reference**

This symbol is located at the end of sections. It indicates where you can find further relevant information.

[ ]

Indicates the names of keys that appear on the machine's display panel.

[ ]

Indicates the names of keys on the machine's control panel.

Note

Contents of this manual are subject to change without prior notice.

Colors on color keys or the color circle may differ slightly from the colors of actual copies.

The color samples in this manual may differ slightly from the colors of actual copies.

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.

Depending on which country you are in, certain units may be optional. For details, please contact your local dealer.

Laws and Regulations

Legal Prohibition

Do not copy or print any item for which reproduction is prohibited by law.

Copying or printing the following items is generally prohibited by local law:

bank notes, revenue stamps, bonds, stock certificates, bank drafts, check, passports, driver's licenses.

The preceding list is meant as a guide only and is not inclusive. We assume no responsibility for its completeness or accuracy. If you have any questions concerning the legality of copying or printing certain items, consult with your legal advisor.

This machine is equipped with a function that prevents making counterfeit bank bills. Due to this function the original images similar to bank bills may not be copied properly.

Model-Specific Information

In this manual, model-specific information is indicated by the following marks:

| 220-240V |
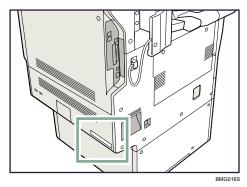
Indicates information that is specific to the 220 to 240 V model.

| 120V |

Indicates information that is specific to the 120 V model.

🔽 Note

- Check the label on the right side of the machine to identify the model.

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- Dimensions in this manual are given in two units of measure: metric and inch. If your machine is the 220 to 240 V model, refer to the metric units. If your printer is the 120 V model, refer to the inch units.
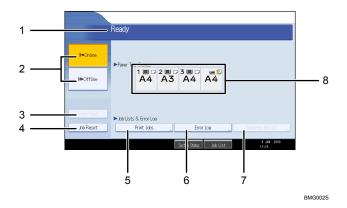
Display Panel

This section describes configuration using the display panel when the printer function is selected.

Initial Display

⭐ **Important**

- The machine switches to offline when you make settings in online mode. After you complete the setting, the machine switches to online automatically.

- If you make a setting when the machine is offline, it will stay offline afterwards.

- The function items displayed serve as selector keys. You can select or specify an item by pressing it lightly.

- When you select or specify an item on the control panel, it becomes highlighted.

- Keys dimmed (for example, OK) cannot be used.

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1. **Operational status or messages**

   Displays current machine status, such as "Ready", "Offline", and "Printing...". Information about the print job (user ID and document name) appears in this section.

2. **[⊢Online] / [⊪Offline]**

   Press to switch the machine between online and offline.

   When the machine is online, it can receive data from the computer.

   When the machine is offline, it cannot receive data from the computer.

3. **[Form Feed]**

   Press to print all the data left in the machine's input buffer.

   - When the machine is online, the status appears dimly.
   - This function is not available with the RPCS printer language.

4. **[Job Reset]**

   Press to cancel the current print job.

   If you press it when the machine is offline and Hex Dump is selected, Hex Dump is canceled.

5. **[Print Jobs]**

   Press to display print jobs sent from a computer.

6. **[Error Log]**

   Press to display the error logs of print jobs sent from a computer.

7. **[Spooling Job List]**

   Press to display spooled jobs.

8. **Paper Tray Status indicators**

   The paper tray settings appear.
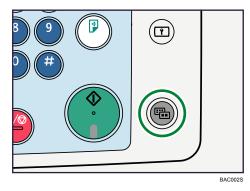
🔸**Note**

- When the power is turned on, the copier display is shown. This is a factory default. This initial setting can be changed. For details, see "System Settings", Network and System Settings Guide.

Simplified Display

This section explains how to switch to the simplified display.

When you press the [Simplified Display] key, the screen changes from the initial display to the simplified display. Letters and keys are displayed at a larger size, making operations easier.

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Example of a simplified display

⬇️**Note**

- To return to the initial display, press the [Simplified Display] key again.
- Certain keys do not appear on the simplified display.

Job List

Jobs printed using Copy, Document Server, or Printer mode are temporarily stored in the machine, and then executed in order. The Job List function allows you to manage these jobs.

For example, you can cancel incorrect job settings or print an urgent document.

🡇Note

- You cannot use the Job List function when Interrupt Copy is active.

- Documents printed using the facsimile function and scanner function are not displayed in the Job List.
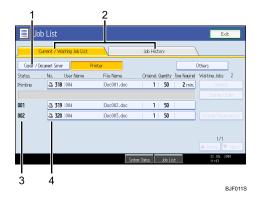
Job List Screen

This section explains displays and icons that appear in the Job List screen.

The Job List screen varies depending on whether Job Order is selected with Print Priority for the System Settings. For details about setting procedure, see "System Settings", Network and System Settings Guide.

When [Job Order] is not selected:

The job list is displayed for each of the functions.

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When [Job Order] is selected:

The job list is displayed for all functions in the order of print jobs.

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1. Switches between job lists for each function.

2. Switches between Current/Waiting Job List and Job History.

3. Displays reserved job numbers.

4. Displays the function used to print jobs.

   : Job printed using copy function

   : Job printed using printer function

   : Job printed using Document Server function

   : Job printed using DeskTopBinder

   : Job printed using Web Image Monitor

Checking Jobs in the Job List

You can check the contents of jobs in the job list.

1. **Press [Job List].**

2. **Select a job whose contents you want to check.**

3. **Press [Details], and then check the contents.**

4. **Press [Exit].**

Changing the Order of Jobs

You can change the order of jobs in the job list.

1. **Press [Job List].**

2. **Select a job whose order you want to change.**

3. **Press [Change Order].**

4. **Change the order using [Top], [Previous], or [Next].**

5. **Press [OK].**

Holding Jobs

You can hold jobs that are queued or currently printing.

1. **Press [Job List].**

2. **Select a job you want to hold.**

3. **Press [Suspend Printing].**

   The selected job and the jobs that follow it are suspended. "Suspended" is displayed at the left of the jobs in the job list that are suspended.

⬇ Note

- To resume the suspended jobs, press [Resume Printing].

- This function is available only if [Job Order] is specified.

Deleting Jobs

You can delete a job that is queued or currently printing.

1. **Press [Job List].**

2. **Select a job you want to delete.**

   To delete multiple print jobs, select all print jobs you want to delete.

3. **Press [Delete Reservation].**

4. **Press [OK].**

Checking the Job History

You can view the history and contents of completed print jobs.

1. **Press [Job List].**

2. **Press [Job History].**

   A list of completed print jobs appears.

3. **Select a job whose contents you want to check.**

4. **Press [Details], and then check the contents.**

5. **Press [Exit].**
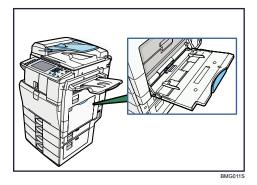
Setting Paper on the Bypass Tray

This section gives instructions for setting paper on the bypass tray.

For details about paper size and paper type, see "Recommended Paper Sizes and Types", About This Machine.

⭐ **Important**
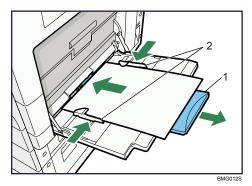
- Paper sizes that can be loaded onto the bypass tray are 90-305 mm (3.55-12.00 in.) vertical, and 148-600 mm (5.83-23.62 in.) horizontal.

- When paper larger than 600 mm (23.62 in.) in length is used, the paper may become wrinkled, may not be fed into the machine, or may cause paper jams.

- The machine can automatically detect the following sizes as regular size copy paper:
    - ☐220-240V☐ A3▭, A4▯▭, A5▯▭
    - ☐120V☐ 11 " × 17 " ▭, $8^1/_2$ " × 11 " ▯▭, $5^1/_2$ " × $8^1/_2$ " ▭

- If you want to use the size of paper other than the above, be sure to specify the size.

- The following functions are disabled when printing from the bypass tray:
    - Duplex/Booklet printing
    - Auto Tray Select
    - Auto Tray Switching
    - Rotating Collate
    - Staple (when the optional Internal Finisher is installed)
    - Punch (when the optional Internal Finisher and Punch Unit are installed)

- Certain types of OHP transparencies for color printing cannot be used. For details about types that can be used, contact your sales or service representative.

1. **Open the bypass tray.**

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2. **Gently insert paper face down into the bypass tray until the beeper sounds, and then adjust the paper guides to the paper size.**

   If the paper size of the paper guide and the paper do not match, skewing and misfeeds might occur.

   Do not stack paper over the limit mark, otherwise a skewed image or misfeeds might occur.

   Open out the extender to support paper sizes larger than A4 $\square$, $8^1/_2$ " $\times$ 11 " $\square$.

   Fan the paper to get air between the sheets to avoid a multi-sheet feed.

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   1. **Extender**
   2. **Paper Guide**

3. **Set the paper size using the printer driver or the control panel.**

🔽 Note

- When loading thick paper, thin paper, or OHP transparencies, set paper size and paper type.
- The number of sheets that can be loaded in the bypass tray depends on the paper type.
- When loading letterhead paper, see "Loading Paper", About This Machine.
- Depending on the environment where the machine is being used, you might at times hear a rustling noise from paper moving through the machine. This noise does not indicate a malfunction.
- When the Panel Key Sound is turned off, it will not sound if you insert paper into the bypass tray. For details about Panel Key Sound, see "System Settings", Network and System Settings Guide.
- For details about setting printer drivers, see the printer driver Help.

Setting the Paper Size Using the Control Panel

Follow the procedure below to set the machine using the control panel when loading standard size paper onto the bypass tray.

⭐ Important

- The following procedures are not required if you select [Driver/Command] from [Bypass Tray Setting Priority] in [System] of [Printer Features] (see "System"). In that case, set the paper size using the printer driver.

- Under [Printer Features], [System], if you set [Bypass Tray Setting Priority] to [Driver/Command], paper size settings made on the printer driver must match those made on the control panel. If they do not match, an error message appears and printing stops if [Printer Features], [System], [Auto Continue] is not set. For details about [System] settings, see "System"

1. **Press the [User Tools/Counter] key on the control panel.**
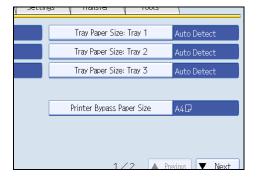
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2. **Press [System Settings].**

3. **Press the [Tray Paper Settings] tab.**

4. **Press [Printer Bypass Paper Size].**

5. **Select the paper size.**

6. **Press [OK].**

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

   The initial screen appears.

⬇ **Note**

- When loading thick paper, thin paper, or OHP transparencies, set paper size and paper type.

- [Auto Detect] is the default setting for [Printer Bypass Paper Size].

- For details about setting printer drivers, see the printer driver Help.

🔖 **Reference**

- p.159 "System"
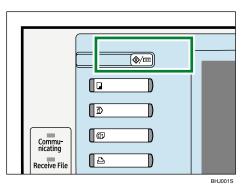
Setting Custom Size Paper Using the Control Panel

Follow the procedure below to set the machine using the control panel when loading custom size paper onto the bypass tray.

⭐ **Important**

- The following procedures are not required if you select [Driver/Command] from [Bypass Tray Setting Priority] in [System] of [Printer Features] (see "System"). In that case, set the paper size using the printer driver.

- If you select [Machine Settings] from [Bypass Tray Setting Priority] in [System] of [Printer Features] (see "System"), the settings made using the control panel have priority over the printer driver settings.

- If the printer driver is not used, select [Machine Settings] from [Bypass Tray Setting Priority] in [System] of [Printer Features] (see "System"). Set paper size using the control panel.

1. **Press the [User Tools/Counter] key on the control panel.**
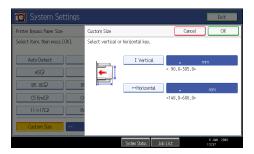
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2. **Press [System Settings].**
3. **Press the [Tray Paper Settings] tab.**
4. **Press [Printer Bypass Paper Size].**
5. **Press [Custom Size].**

If a custom size is already set, press [Change Size].

6. **Press [Vertical], enter the vertical size of the paper using the number keys, and then press the [#] key.**

7. **Press [Horizontal], enter the horizontal size of the paper using the number keys, and then press the [#] key.**

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8. **Press [OK].**

   The paper sizes entered are displayed.

9. **Press [OK].**

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

    The initial screen appears.

⬇ **Note**

- When loading thick paper, thin paper, or OHP transparencies, set paper size and paper type.
- [Auto Detect] is the default setting for [Printer Bypass Paper Size].
- For details about setting printer drivers, see the printer driver Help.

🗐 **Reference**

- p.159 "System"
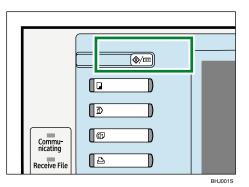
Setting Thick Paper, Thin Paper, or OHP Transparencies Using the Control Panel
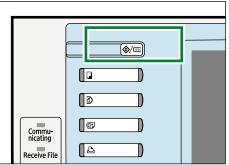
Follow the procedure below to set the machine using the control panel when loading thick paper, thin paper, or OHP transparencies onto the bypass tray.

⭐ **Important**

- The following procedures are not required if you select [Driver/Command] from [Bypass Tray Setting Priority] in [System] of [Printer Features] (see "System"). In that case, set the paper size using the printer driver.
- If you select [Machine Settings] from [Bypass Tray Setting Priority] in [System] of [Printer Features] (see "System"), the settings made using the control panel have priority over the printer driver settings.
- If the printer driver is not used, select [Machine Settings] from [Bypass Tray Setting Priority] in [System] of [Printer Features] (see "System"). Set the paper size using the control panel.
- When printing onto OHP transparencies, paper thinner than 66.0 g/m^2 , or paper of 101 g/m^2 or above, you need to specify the type and size of paper with Tray Paper Settings in User Tools Menu. For details about Tray Paper Settings, see "System Settings", Network and System Settings Guide.
- Do not use color OHP transparencies that have easily melted coatings.
- When printing onto OHP transparencies, use A4▯, or 8^1/$_2$ " × 11 "▯, size sheets, and specify its size.
- Be sure to remove printed OHP transparencies one by one as they are delivered. This prevents them sticking together.

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

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2. **Press [System Settings].**
3. **Press the [Tray Paper Settings] tab.**
4. **Press [▼Next] to scroll through the list.**
5. **Press [Paper Type: Bypass Tray].**

6. **Select the proper items, according to the paper type you want to set.**
   - Press [OHP (Transparency)] on the [Paper Type] area when loading OHP transparencies.

   - Press [No Display] on the [Paper Type] area, and then press [Thick Paper 1], [Thick Paper 2], [Thick Paper 3], or [Thin paper] on the [Paper Thickness] area when loading thick paper or thin paper.

7. **Press [OK].**

   The paper type selected is displayed.

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

   The initial screen appears.

⬇ **Note**

- Printing on special paper such as thick paper, thin paper, or OHP transparencies may be slower than printing on plain paper.

- The settings made will remain valid until they are reset again. After printing on OHP transparencies or thick paper, thin paper, make sure to clear settings for the next user.

- For details about setting printer drivers, see the printer driver Help.

📖 **Reference**
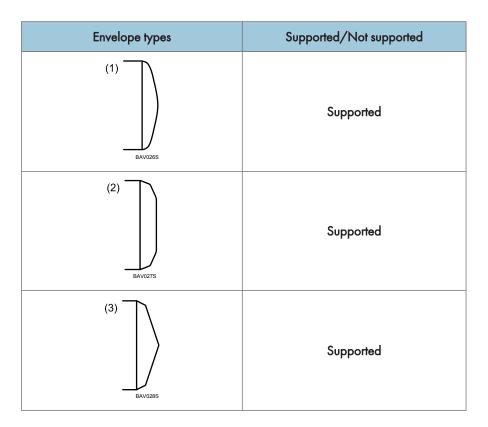
- p.159 "System"

Setting Envelopes Using the Control Panel
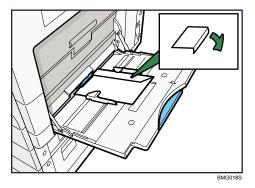
Follow the procedure below to set the machine using the control panel when loading envelopes onto the bypass tray.
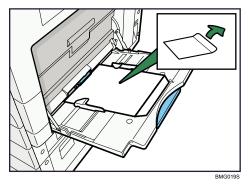
⭐ **Important**

- The following procedures are not required if you select [Driver/Command] from [Bypass Tray Setting Priority] in [System] of [Printer Features] (see "System"). In that case, set the paper size using the printer driver.

- If you select [Machine Settings] from [Bypass Tray Setting Priority] in [System] of [Printer Features] (see "System"), the settings made using the control panel have priority over the printer driver settings.

- If the printer driver is not used, select [Machine Settings] from [Bypass Tray Setting Priority] in [System] of [Printer Features] (see "System"). Set paper size using the control panel.

Envelope types	Supported/Not supported
(1) BAV026S	Supported
(2) BAV027S	Supported
(3) BAV028S	Supported
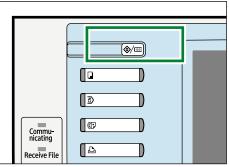
- Misfeeds might also occur when using envelopes (1) - (3) depending on the length and shape of the flaps.

- You can load up to 10 envelopes (72 - 90g/m^2) in the bypass tray at the same time, without compressing them. Check the envelopes are not damp, and the top of the stack is not higher than the limit mark on the side guide.

- When loading envelopes, be sure to unfold the flaps and position them opposite to the paper feed direction.

- Load type (4) (162 $\times$ 114 mm / C6) (6.38 " $\times$ 4.49 " / C6) envelopes flap down, flap fold against the side guide.

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- Depending on the envelope type, specify an appropriate print image rotation using the printer driver. For a type (1) - (4) envelope, rotate by specify 180 degrees.

- To print on type (4) (custom paper size) envelopes using the RPCS printer driver: in the printer driver's [Paper position in tray] area, specify [Place as portrait]. For details, see the printer driver Help.

- Check there is no air in the envelopes before loading.

- To get better print quality, it is recommended that you set the right, left, top, and bottom print margin, to at least 15 mm (0.6 in.) each.

- You cannot print envelopes with duplex function.

- Load only one size and type of envelope at a time.

- Before loading envelopes, flatten leading edges (the side going into the machine) by pressing a pencil or ruler across them.

- Before loading envelopes, check they are rectangular in shape.

1. **Open the bypass tray, and then insert the envelopes with the side you want to print face-up until the beeper sounds.**

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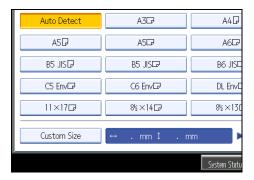
2. **Press the [User Tools/Counter] key on the control panel.**

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3. **Press [System Settings].**

4. **Press the [Tray Paper Settings] tab.**

5. **Press [Printer Bypass Paper Size].**

6. **Press [Custom Size].**
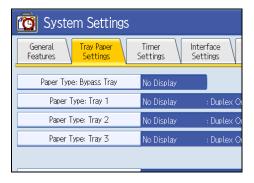
If a custom size is already set, press [Change Size].

7. **Press [Vertical], enter the vertical size of the paper using the number keys, and then press the [#] key.**

8. **Press [Horizontal], enter the horizontal size of the paper using the number keys, and then press the [#] key.**

9. **Press [OK].**

The paper sizes entered are displayed.

10. **Press [OK].**

11. **Press [▼Next] to scroll through the list.**

12. **Press [Paper Type: Bypass Tray].**

13. **Press [Envelope] on the [Paper Type] area, and then press [Thick Paper 2] on the [Paper Thickness] area.**

14. **Press [OK].**
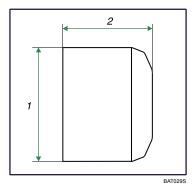
The paper type selected is displayed.

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

The initial screen appears.

⬇️Note

• When entering the horizontal size for envelopes, including the opened-out flap in the measurement.

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1. **Vertical size**

2. **Horizontal size**

• For details about envelopes, see "Envelope", About This Machine.

1. Preparing the Machine

This chapter describes how to connect this machine to your computer, and install the printer driver.

Confirming the Connection Method

This machine supports network and local connection.

Before installing the printer driver, check how the machine is connected. Follow the driver installation procedure that is appropriate to the connection method.
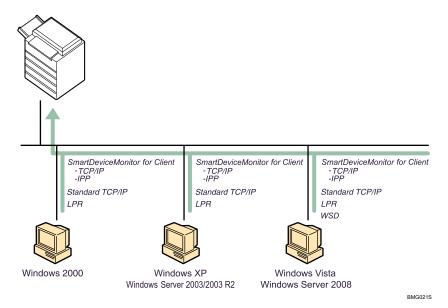
Network Connection

This machine can be used as a Windows printing port or network printer.

Using this printer as the Windows printing port

Network connections can be established through Ethernet, and Wireless LAN.

Available ports are determined based on the combination of Windows operating system version and connection method used.

	SmartDeviceMonitor for Client - TCP/IP -IPP Standard TCP/IP LPR	SmartDeviceMonitor for Client - TCP/IP -IPP Standard TCP/IP LPR	SmartDeviceMonitor for Client - TCP/IP -IPP Standard TCP/IP LPR WSD
	Windows 2000	Windows XP Windows Server 2003/2003 R2	Windows Vista Windows Server 2008

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Windows 2000/XP, Windows Server 2003/2003 R2

Connection Method	Available Ports
• Ethernet	• SmartDeviceMonitor for Client port

Connection Method	Available Ports
• Wireless LAN	• Standard TCP/IP port • LPR port

Windows Vista, Windows Server 2008

Connection Method	Available Ports
• Ethernet • Wireless LAN	• SmartDeviceMonitor for Client port • Standard TCP/IP port • LPR port • WSD port

Note
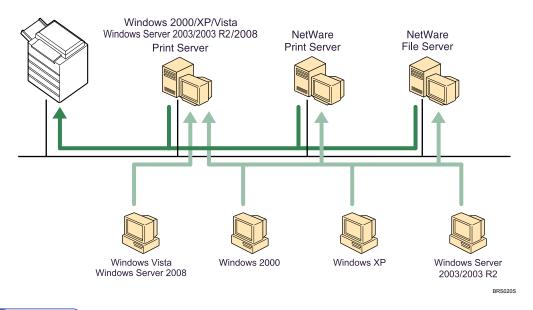
- See the explanation about how to install the printer driver for each type of port.
- For details about SmartDeviceMonitor for Client port, see "Installing the Printer Driver".
- For details about Standard TCP/IP port, see "Installing the Printer Driver".
- For details about LPR port, see "Installing the Printer Driver".
- For details about WSD port, see "Installing the Printer Driver".

Reference

- p.35 "Installing the Printer Driver"

Using as a network printer

This machine can be used as the Windows network printer, the NetWare print server, or the NetWare remote printer.

Windows 2000/XP/Vista
Windows Server 2003/2003 R2/2008
Print Server

NetWare
Print Server

NetWare
File Server

Windows Vista
Windows Server 2008

Windows 2000

Windows XP

Windows Server
2003/2003 R2

BRS020S

⬇ **Note**

- In an IPv6 environment, NetWare servers cannot be used.

- IPX/SPX (NetWare) cannot be used under Windows Vista and Windows Server 2008.

- See the explanation about how to install the printer driver for each type of network printer.

- For details about Windows network printer, see "Using as a Windows Network Printer".

- For details about NetWare print server and remote printer, see "Using as a NetWare Print Server/ Remote Printer".

📑 **Reference**

- p.46 "Using as a Windows Network Printer"

- p.48 "Using as a NetWare Print Server/Remote Printer"

Local Connection

Local connections can be established via parallel, USB, and Bluetooth connections.

⬇ **Note**

- See the explanation about how to install the printer driver for each method of connections.

- For details about Bluetooth connections, see "Printing with Bluetooth Connection", Network and System Settings Guide.

- For details about USB connections, see "Installing the Printer Driver Using USB".

- For details about parallel connections, see "Printing with Parallel Connection".

🔖 **Reference**

- p.51 "Installing the Printer Driver Using USB"

- p.55 "Printing with Parallel Connection"

Installing the Printer Driver

This section explains how to install the printer driver. There are two ways to install the printer driver: using Quick Install, which installs the settings at once, or installing the appropriate driver according to the port you want to use.

Downloading the Printer Driver

> You can install the printer driver from the CD-ROM provided with this machine or download it from the supplier's Web site.

> If your operating system is Windows XP Pro x64, Windows Vista x64, or Windows Server 2003/2003 R2/2008 x64, you must download the printer driver from the supplier's Web site. Select this machine and the operating system you are using, and then download it.

Quick Install

Users of Windows 2000/XP/Vista, and Windows Server 2003/2003 R2/2008 can install this software easily using the supplied CD-ROM.

Using Quick Install, the PCL printer driver and/or RPCS printer driver, DeskTopBinder - SmartDeviceMonitor for Client are installed under network environment, and the TCP/IP port will be set.

⭐**Important**

- To install the printer driver under Windows 2000/XP/Vista, and Windows Server 2003/2003 R2/2008, you must have an account that has Manage Printers permission. Log on as an Administrator.

- If you connect using USB, see "Installing the Printer Driver Using USB" and install the printer driver.

1. **Quit all applications currently running.**

2. **Insert the CD-ROM into the CD-ROM drive.**

   The installer starts.

3. **Select an interface language, and then click [OK].**

4. **Click [Quick Install].**

   The software license agreement appears in the [License Agreement] dialog box.

5. **After reading the agreement, click [I accept the agreement.], and then click [Next >].**

6. **Select the machine model you want to use in the [Select Printer] dialog box.**

   For network connection via TCP/IP, select the machine whose IP address is displayed in [Connect To].

   For parallel connection, select the machine whose printer port is displayed in [Connect To].

7. **Click [Install].**

   The printer driver installation starts.

8. **Click [Finish].**

   A message about restarting the computer appears. Restart the computer to complete installation.

9. **Click [Exit] in the first dialog box of the installer, and then take out the CD-ROM.**

⤵Note

- To stop installation of the selected software, click [Cancel] before installation is complete.

- Auto Run may not work with certain operating system settings. If this happens, launch "Setup.exe" on the CD-ROM root directory.

- Select a machine to whose IP address is displayed in [Connect To] to install SmartDeviceMonitor for Client when using TCP/IP.

- Quick Install is not available unless bidirectional communication between the machine and computer is enabled via parallel connection. For details about bidirectional communication between the machine and computer, see "Making Option Settings for the Printer".

🗐Reference

- p.51 "Installing the Printer Driver Using USB"

- p.57 "Making Option Settings for the Printer"

Using the SmartDeviceMonitor for Client Port

⭐Important

- To install SmartDeviceMonitor for Client under Windows 2000/XP/Vista, and Windows Server 2003/2003 R2/2008, you must have an account that has Manage Printers permission. Log on as an Administrator.

- Install SmartDeviceMonitor for Client before installing the printer driver when using the SmartDeviceMonitor for Client port.

Installing SmartDeviceMonitor for Client

1. **Quit all applications currently running.**

2. **Insert the CD-ROM into the CD-ROM drive.**

   The installer starts.

3. **Select an interface language, and then click [OK].**

4. **Click [DeskTopBinder - SmartDeviceMonitor for Client].**

5. **The message to quit all other applications appears. Quit all applications, and then click [Next >].**

6. **The software license agreement appears in the [License Agreement] dialog box. After reading through its contents, click [Yes].**

7. **Click [Full install] or [Custom install].**

   [Full install] installs all required applications: DeskTopBinder Lite and SmartDeviceMonitor for Client.

   [Custom install] installs selected applications.

8. **Follow the instructions on the display and then click [Next >] to proceed to the next step.**

9. **After the installation is completed, select one of the options to restart the computer either now or later, and click [Complete].**

   Restart the computer to complete installation.

🔽 **Note**

- To stop installation of the selected software, click [Cancel] before installation is complete.
- Auto Run may not work with certain operating system settings. If this happens, launch "Setup.exe" on the CD-ROM root directory.

Installing the PCL or RPCS printer driver (TCP/IP)

1. **Quit all applications currently running.**

2. **Insert the CD-ROM into the CD-ROM drive.**

   The installer starts.

3. **Select an interface language, and then click [OK].**

4. **Click [PCL/RPCS Printer Drivers].**

5. **The software license agreement appears in the [License Agreement] dialog box.**

   After reading the agreement, click [I accept the agreement.], and then click [Next >].

6. **Select the printer driver you want to use in the [Select Program] dialog box.**

   You can select several printer drivers.

7. **Click [Next >].**

8. **Select the machine model you want to use.**

   The printer name can be changed in the [Change settings for 'Printer Name'] box.

9. **Double-click the printer name to display the printer settings.**

   The details shown in [Comment], [Driver], and [Port] vary depending on the operating system, printer model, and port.

10. **Click [Port], and then click [Add].**

11. **Click [SmartDeviceMonitor], and then click [OK].**

12. **Click [TCP/IP], and then click [Search].**

    A list of printers using TCP/IP appears.

13. **Select the printer you want to use, and then click [OK].**

    Only printers that respond to a broadcast from the computer appear. To use a machine not listed here, click [Specify Address], and then enter the IP address or host name of the machine.

14. **Check that the port of the selected printer is displayed in [Port].**

15. **Set a user code, if necessary.**

    Up to 8 numeric characters can be entered. No alphabetic characters or symbols can be entered.

16. **Select the [Default Printer] check box to configure the printer as default.**

17. **Click [Continue].**

    Installation starts.

18. **After the installation is completed, select one of the options to restart the computer either now or later, and then click [Finish].**

⬇Note

- Setting a user code allows a SmartDeviceMonitor for Admin user to display and check statistics about the number of sheets which each user prints. For details, see SmartDeviceMonitor for Admin Help.

- Auto Run may not work with certain operating system settings. If this happens, launch "Setup.exe" on the CD-ROM root directory.

- A message appears if there is a newer version of the printer driver already installed. If there is, you cannot install the printer driver using Auto Run. If you still want to install the printer driver, use [Add Printer]. See "Messages Displayed When Installing the Printer Driver", Troubleshooting.

Installing the PCL or RPCS printer driver (IPP)

1. **Quit all applications currently running.**

2. **Insert the CD-ROM into the CD-ROM drive.**

    The installer starts.

3. **Select an interface language, and then click [OK].**

4. **Click [PCL/RPCS Printer Drivers].**

5. **The software license agreement appears in the [License Agreement] dialog box.**

    After reading the agreement, click [I accept the agreement.], and then click [Next >].

6. **Select a printer driver you want to use in the [Select Program] dialog box.**

    You can select several printer drivers.

7. **Click [Next >].**

8. **Select the printer model you want to use.**

    The printer name can be changed in the [Change settings for 'Printer Name'] box.

9. **Double-click the printer name to display the printer settings.**

   The details shown in [Comment], [Driver], and [Port] vary depending on the operating system, printer model, and port.

10. **Click [Port], and then click [Add].**

11. **Click [SmartDeviceMonitor], and then click [OK].**

12. **Click [IPP].**

13. **In the [Printer URL] box, enter "http://printer's IP address/printer" as the printer's address.**

    If the server authentication is issued, to enable SSL (a protocol for encrypted communication), enter "https://printer's IP address/printer" (Internet Explorer 5.01, or a higher version must be installed). (example IP address: 192.168.15.16)

    ```
    http://192.168.15.16/printer
    ```
    ```
    https://192.168.15.16/printer
    ```

    You can enter "http://printer's IP address/ipp" as the printer's address.

14. **Enter a name for identifying the printer in [IPP Port Name]. Use a name different from the one of any existing ports.**

    If a name is not specified here, the address entered in the [Printer URL] box becomes the IPP port name.

15. **Click [Detailed Settings] to make necessary settings.**

    For details about the settings, see SmartDeviceMonitor for Client Help.

16. **Click [OK].**

17. **Check that the port of the selected printer is displayed in [Port].**

18. **Set a user code, if necessary.**

    Up to 8 numeric characters can be entered. No alphabetic characters or symbols can be entered.

19. **Select the [Default Printer] check box to configure the printer as default.**

20. **Click [Continue].**

    Installation starts.

21. **After the installation is completed, select one of the options to restart the computer either now or later, and then click [Finish].**

    Restart the computer to complete installation.

🔽 Note

- To stop installation of the selected software, click [Cancel] before installation is complete.
- Auto Run may not work with certain operating system settings. In that case, launch "Setup.exe" on the CD-ROM root directory.
- Setting a user code allows a SmartDeviceMonitor for Admin user to display and check the number of sheets each user prints. For details, see SmartDeviceMonitor for Admin Help.

• A message appears if there is a newer version of the printer driver already installed. If there is, you cannot install the printer driver using Auto Run. If you still want to install the printer driver, use [Add Printer]. See "Messages Displayed When Installing the Printer Driver", Troubleshooting.

Changing the port settings for SmartDeviceMonitor for Client

Follow the procedure below to change the SmartDeviceMonitor for Client settings, such as TCP/IP timeout, recovery/parallel printing, and printer groups.

Windows 2000:

1. **On the [Start] menu, point to [Settings], and then click [Printers].**

   The [Printers] window appears.

2. **Click the icon of the printer you want to use. On the [File] menu, click [Properties].**

3. **On the [Ports] tab, click [Configure Port].**

   The [Configuration] dialog box appears.

Windows XP, Windows Server 2003/2003 R2:

1. **On the [Start] menu, click [Printers and Faxes].**

   The [Printers and Faxes] window appears.

2. **Click the icon of the printer you want to use. On the [File] menu, click [Properties].**

3. **Click the [Ports] tab, and then click [Configure Port].**

   The [Port Configuration] dialog box appears.

Windows Vista, Windows Server 2008:

1. **On the [Start] menu, click [Control Panel].**

   The [Control Panel] window appears.

2. **Click [Printer].**

   The [Printers] window appears.

3. **Right-click the icon of the printer you want to use, and then click [Properties].**

4. **Click the [Ports] tab, and then click [Configure Port].**

   The [Port Configuration:] dialog box appears.

🔽 Note

• For TCP/IP, timeout setting can be configured.

• User, proxy, and timeout settings can be configured for IPP.

• If no settings on the [Recovery/Parallel Printing] tab are available, follow the procedure below.

   1. Click [Cancel] to close the [Port Configuration:] dialog box.

1

2. Start SmartDeviceMonitor for Client, and then right-click the SmartDeviceMonitor for Client icon on the task tray.

3. Point to [Properties], and then click [Extended Features Settings].

4. Select the [Set Recovery/Parallel Printing for each port] check box.

5. Click [OK] to close the [Extended Features Settings] dialog box.

- For details about these settings, see "Using SmartDeviceMonitor for Client", or SmartDeviceMonitor for Client Help.

Using the Standard TCP/IP Port

This describes how to install the PCL, or RPCS printer driver using the TCP/IP port.

⭐ **Important**

- **To install this printer driver under Windows 2000/XP/Vista, and Windows Server 2003/2003 R2/2008, you must have an account that has Manage Printers permission. Log on as a member of the Administrators group.**

- **In an IPv6 environment, you cannot use the Standard TCP/IP Port. Use the SmartDeviceMonitor for Client port.**

Installing the PCL or RPCS printer driver

1. **Quit all applications currently running.**

2. **Insert the CD-ROM into the CD-ROM drive.**

   The installer starts.

3. **Select an interface language, and then click [OK].**

4. **Click [PCL/RPCS Printer Drivers].**

5. **The software license agreement appears in the [License Agreement] dialog box.**

   After reading the agreement, click [I accept the agreement.], and then click [Next >].

6. **Select a printer driver you want to use in the [Select Program] dialog box.**

   You can select several printer drivers.

7. **Click [Next >].**

8. **Select the printer model you want to use.**

   The printer name can be changed in the [Change settings for 'Printer Name'] box.

9. **Double‾click the printer name to display the printer settings.**

   The details shown in [Comment], [Driver], and [Port] vary depending on the operating system, printer model, and port.

1

10. **Click [Port], and then click [Add].**

11. **Click [Standard TCP/IP Port], and then click [OK].**

    Configure the Standard TCP/IP port settings, and then see Windows Help if [Standard TCP/IP Port] does not appear.

12. **Click [Next >] in the [Add Standard TCP/IP Printer Port Wizard] dialog box.**

13. **Enter the printer name or IP address in the [Printer Name or IP Address] box.**

    The [Port Name] text box automatically obtains a port name. Change this name if necessary.

    When the device selection appears, select "RICOH NetworkPrinter Driver C Model".

14. **Click [Next >].**

15. **Click [Finish] in the [Add Standard TCP/IP Printer Port Wizard] dialog box.**

    The installation start dialog box reappears.

16. **Check that the port of the selected printer is displayed in [Port].**

17. **Configure the default printer as necessary.**

18. **Click [Continue].**

    The printer driver installation starts.

19. **After the installation is completed, select one of the options to restart the computer either now or later, and then click [Finish].**

    Restart the computer to complete installation.

⬇️**Note**

- To stop installation of the selected software, click [Cancel] before installation is complete.

- Auto Run may not work with certain operating system settings. In that case, launch "Setup.exe" on the CD-ROM root directory.

- A message appears if there is a newer version of the printer driver already installed. If there is, you cannot install the printer driver using Auto Run. If you still want to install the printer driver, use [Add Printer]. See "Messages Displayed When Installing the Printer Driver", Troubleshooting.

Using the LPR Port

This describes how to install the PCL, or RPCS printer driver using the LPR port.

⭐**Important**

- **To install this printer driver under Windows 2000/XP/Vista, and Windows Server 2003/2003 R2/2008, you must have an account that has Manage Printers permission. Log on as a member of the Administrators group.**

- **In an IPv6 environment, you cannot use the LPR Port. Use the SmartDeviceMonitor for Client port.**

1

Installing the PCL or RPCS printer driver

1. **Quit all applications currently running.**

2. **Insert the CD-ROM into the CD-ROM drive.**

   The installer starts.

3. **Select an interface language, and then click [OK].**

4. **Click [PCL/RPCS Printer Drivers].**

5. **The software license agreement appears in the [License Agreement] dialog box.**

   After reading the agreement, click [I accept the agreement.], and then click [Next >].

6. **Select a printer driver you want to use in the [Select Program] dialog box.**

   You can select several printer drivers.

7. **Select the printer model you want to use.**

   The printer name can be changed in the [Change settings for 'Printer Name'] box.

8. **Click [Next >].**

9. **Double-click the printer name to display the printer settings.**

   The details shown in [Comment], [Driver], and [Port] vary depending on the operating system, printer model, and port.

10. **Click [Port], and then click [Add].**

11. **Click [LPR Port], and then click [OK].**

    If [LPR Port] does not appear, see Windows Help and install it.

12. **Enter the printer's IP address in the [Name or address of server providing lpd] box.**

13. **Enter "lp" in the [Name of printer or print queue on that server] box, and then click [OK].**

    The port is added.

14. **Check that the port of the selected printer is displayed in [Port].**

15. **Configure the default printer as necessary.**

16. **Click [Continue].**

    The printer driver installation starts.

17. **After the installation is completed, select one of the options to restart the computer either now or later, and then click [Finish].**

    Restart the computer to complete installation.

⬇️**Note**

- To stop installation of the selected software, click [Cancel] before installation is complete.

- Auto Run may not work with certain operating system settings. In that case, launch "Setup.exe" on the CD-ROM root directory.

1

- A message appears if there is a newer version of the printer driver already installed. If there is, you cannot install the printer driver using Auto Run. If you still want to install the printer driver, use [Add Printer]. See "Messages Displayed When Installing the Printer Driver", Troubleshooting.

Using the WSD port

This section explains installation when using the WSD port.

⭐ Important

- The WSD port can be used under Windows Vista or Windows Server 2008.
- To install under Windows Vista or Windows Server 2008, you must have an account that has Manage Printers permission. Log on as an Administrator.
- If the printer is connected using the WSD port, bi-directional communication is not possible. For details about bi-directional communication, see "Making Option Settings for the Printer".
- You can connect to the printer only if both the printer and computer are on the same network segment, or "Network discovery" is enabled. For details, see Windows Help.

🔖 Reference

- p.57 "Making Option Settings for the Printer"

Installing the PCL or RPCS printer driver

1. **Quit all applications currently running.**
2. **On the [Start] menu, click [Network].**

   The [Network] window appears, and the device search begins automatically.
3. **Right-click the printer's icon, and then click [Install].**

   If the [User Account Control] dialog box appears, click [Continue].

   The [Found New Hardware] dialog box appears.
4. **Click [Locate and install driver software (Recommended)].**

   If the [User Account Control] dialog box appears, click [Continue].
5. **Click [Don't search online].**
6. **Click [Browse my computer for driver software (advanced)].**
7. **Insert the provided CD-ROM into the computer's CD-ROM drive.**

   If the [AutoPlay] dialog box appears, click the [close] button and then proceed to step 8.
8. **Click [Browse...], and then specify a location for the printer driver.**

   If the CD-ROM drive letter is D, the printer driver's source files are stored in "D:\DRIVERS\RPCS \XP_VISTA\(Language)\DISK1".

9. **Click [Next].**

   If the [Windows can't verify the publisher of this driver software] message appears, click [Install this driver software anyway].

10. **Click [Close].**

   If installation is successful, the icon of the printer connected to the "WSD" port is added to the [Printers] window.

🔽 **Note**

- The port name that follows "WSD" uses random character strings. It cannot be changed freely.

- To stop the installation, click [Cancel] before the installation is complete. When re-installing the WSD Port, right-click the printer's icon in the [Network] window, and then click [Uninstall].

Using as a Windows Network Printer

This describes how to install the PCL, or RPCS printer driver when using the printer as a Windows network printer.

To use the print server, install the printer driver by selecting "Network printer server", and then select the Windows 2000/XP/Vista, or Windows Server 2003/2003 R2/2008 shared printer.

This section assumes that the client has already been configured to communicate with a Windows 2000/XP/Vista, or Windows Server 2003/2003 R2/2008 print server. Do not begin the following procedure before the client is set up and configured correctly.

⭐ **Important**

- **To install the printer driver under Windows 2000/XP/Vista, and Windows Server 2003/2003 R2/2008, you must have an account that has Manage Printers permission. Log on as a member of the Administrators group.**

- **If you print with a print server connected to the printer using the SmartDeviceMonitor port, Recovery Printing and Parallel Printing cannot be used from the client.**

- **If you print under Windows XP/Vista or Windows Server 2003/2003 R2/2008 print server, notification functions of SmartDeviceMonitor may not be used with the client.**

- **You can install the printer driver from the CD-ROM provided with this printer or download it from the supplier's Web site.**

- **If your operating system is Windows XP Pro x64, Windows Vista x64, or Windows Server 2003/2003 R2/2008 x64, you must download the printer driver from the manufacturer's Web site. Select this printer and the operating system you are using, and then download it.**

Installing the PCL or RPCS Printer Driver

1. **Quit all applications currently running.**

2. **Insert the CD-ROM into the CD-ROM drive.**

   The installer starts.

3. **Select an interface language, and then click [OK].**

4. **Click [PCL/RPCS Printer Drivers].**

5. **The software license agreement appears in the [License Agreement] dialog box.**

   After reading the agreement, click [I accept the agreement.], and then click [Next >].

6. **Select the printer driver you want to use in the [Select Program] dialog box.**

   You can select several printer drivers.

7. **Click [Next >].**

8. **Select the [Printer Name] check box to select the printer models you want to use.**

   The printer name can be changed in the [Change settings for 'Printer Name'] box.

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9. **Double-click the printer name to display the printer settings.**

   The details shown in [Comment], [Driver], and [Port] vary depending on the operating system, printer model, and port.

10. **Click [Port], and then click [Add].**

11. **Click [Network Printer], and then click [OK].**

12. **Double-click the computer name you want to use as a print server in the [Browse for Printer] window.**

13. **Select the printer you want to use, and then click [OK].**

14. **Check that the port of the selected printer is displayed in [Port].**

15. **Configure the user code as necessary.**

    For an RPCS printer driver, a user code can be set after the printer driver installation.

    For details about user code, see the printer driver Help.

16. **Select the [Default Printer] check box to configure the printer as default.**

17. **Click [Continue].**

    The printer driver installation starts.

18. **After the installation is completed, select one of the options to restart the computer either now or later, and then click [Finish].**

    Restart the computer to complete installation.

↓Note

- A user code can be set after the printer driver installation. For information about user code, see the printer driver Help.

- To stop installation of the selected software, click [Cancel] before installation is complete.

- Auto Run may not work with certain operating system settings. In that case, launch "Setup.exe" on the CD-ROM root directory.

- A message appears if there is a newer version of the printer driver already installed. If there is, you cannot install the printer driver using Auto Run.

- If you still want to install the printer driver, use [Add Printer]. See "Messages Displayed When Installing the Printer Drive" Troubleshooting.

Using as a NetWare Print Server/Remote Printer

This describes how to set up the Windows computer used as the NetWare client.

⭐**Important**

- To install this printer driver under Windows 2000/XP, and Windows Server 2003/2003 R2, you must have an account that has Manage Printers permission. Log on as a member of the Administrators group.
- In an IPv6 environment, NetWare servers cannot be used.
- IPX/SPX (NetWare) cannot be used under Windows Vista and Windows Server 2008.

The following explanation assumes NetWare Client is installed on the client computer and the NetWare server environment is correctly set up. Install all necessary client applications before following this procedure.

Set up the printer driver while logging on to the NetWare file server.

The following values are used in the example:

- NetWare version: 4.1
- File server name: CAREE
- Queue name: R-QUEUE

1. **Insert the CD-ROM into the CD-ROM drive.**

   The installer starts.

   Auto Run may not work with certain operating system settings. In that case, launch "Setup.exe" on the CD-ROM root directory.

2. **Select an interface language, and then click [OK].**

3. **Click [PCL/RPCS Printer Drivers].**

4. **The software license agreement appears in the [License Agreement] dialog box.**

   After reading the agreement, click [I accept the agreement.], and then click [Next >].

5. **Select the printer driver you want to use in the [Select Program] dialog box.**

   You can select several printer drivers.

6. **Click [Next >].**

7. **Select the [Printer Name] check box to select the printer model you want to use.**

   The printer name can be changed in the [Change settings for 'Printer Name'] box.

8. **Double-click the printer name to display the printer settings.**

   The details shown in [Comment], [Driver], and [Port] vary depending on the operating system, printer model, and port.

9. **Click [Port], and then click [Add].**

10. **Click [Network Printer], and then click [OK].**

11. **Double-click the name of the NetWare file server on the network tree.**

    The created queue is displayed.

12. **Select the print queue, and then click [OK].**

13. **Check that the port of the selected printer is displayed in [Port].**

14. **Click [Continue].**

    The printer driver installation starts.

15. **Click [Finish] in the [Select Program] dialog box.**

16. **After the installation is completed, select one of the options to restart the computer either now or later, and then click [Finish].**

    Restart the computer to complete installation.

17. **After restarting the computer, open the printer properties from the [Printers and Faxes] window.**

    Under Windows 2000 or Windows Server 2003/2003 R2, launch the [Printers] window, and then open the printer properties.

18. **Click the [NetWare setting] tab.**

    Under Windows Server 2003/2003 R2, on the [Printer Settings] tab, clear the [Form Feed] and [Enable Banner] check boxes.

    Do not select these check boxes since they are automatically selected by the printer driver. If you select the check boxes, the printer may not print correctly.

19. **Click [OK] to close the printer properties dialog box.**

🔽 Note

- To stop installation of the selected software, click [Cancel] before installation is complete.
- The protocol is set to inactive as default. Enable it using Web Image Monitor or Telnet.

Form Feed

Do not use NetWare to configure form feed. Form feed is controlled by the printer driver on Windows. If NetWare form feed is configured, the printer may not print properly.

Follow the procedure below to disable form feed according to the operating system used:

- Under Windows 2000/XP, or Windows Server 2003/2003 R2, clear the [Form feed] check box on the [NetWare Settings] tab in the printer properties dialog box.

Banner Page

Do not use NetWare to configure a banner page.

Follow the procedure below to disable banner pages according to the operating system used:

- Under Windows 2000/XP, or Windows Server 2003/2003 R2, clear the [Enable banner] check box on the [NetWare Settings] tab in the printer properties dialog box.

Printing after Resetting the Printer

Printer to print server connection requires 30 - 40 seconds to resume after the printer is reset. During this period, jobs may be accepted (depending on NetWare specifications) but not printed.

To print after resetting the printer as the remote printer, check on the print server that the remote printer is disconnected, or wait for two minutes before trying to print.

Installing the Printer Driver Using USB

This section explains how to install printer drivers using USB.

Before installing, check that only the operating system is running on the computer and no print jobs are in progress.

You can the printer driver included on the CD-ROM provided with this machine, or can download it from the supplier's Web site.

Windows 2000 - USB

⭐ **Important**

- **Installing a printer driver requires Administrators permission. Log on using an account that has Administrators permission.**

If the printer driver has already been installed, plug and play is enabled, and the icon of the printer connected to the "USB" port is added to the [Printers] window.

If the printer driver is not installed, follow the plug-and-play instructions of the printer to install it from the CD-ROM provided.

1. **Check that the power of the printer is off.**

2. **Connect the printer and computer using the USB cable.**

   Connect the USB cable firmly.

3. **Turn on the power of the printer.**

   Found New Hardware Wizard starts, and USB Printing Support is installed automatically.

4. **In the Found New Hardware Wizard window, click [Install the software automatically [recommended]], and then click [Next >].**

5. **Click [Search for a suitable driver for my device [recommended]], and then click [Next >].**

6. **Insert the CD-ROM in the CD-ROM drive.**

   If Auto Run starts, click [Cancel] and then [Exit].

7. **Select the [CD-ROM drivers] check box, and then click [Next >]**

8. **Specify the location where the source files of the printer driver is stored.**

   If the CD-ROM drive is D, the source files of the printer driver are stored in the following locations:

   - RPCS

     D:\DRIVERS\RPCS\XP_VISTA\(Language)\DISK1

   - PCL 5c

     D:\DRIVERS\PCL5C\XP_VISTA\(Language)\DISK1

   - PCL 6

1

D:\DRIVERS\PCL6\XP_VISTA\(Language)\DISK1

- PostScript 3

    D:\DRIVERS\PS\XP_VISTA\(Language)\DISK1

9. **Check the printer driver location, and then click [OK].**

10. **Click [Finish].**

    If the printer driver has already been installed, plug and play is enabled, and the icon of the printer connected to the "USB001" port is added to the [Printers] window.

🔽**Note**

- To disable Auto Run, press the left Shift key when inserting the CD-ROM into the drive and keep it pressed until the computer finishes reading from the CD-ROM.

- The number after "USB" varies depending on the number of printers connected.

Windows XP, Windows Server 2003/2003 R2 - USB

⭐**Important**

- **Installing a printer driver requires Administrators permission. Log on using an account that has Administrators permission.**

If the printer driver has already been installed, plug and play is enabled, and the icon of the printer connected to the "USB" port is added to the [Printers] window.

If the printer driver is not installed, follow the plug-and-play instructions of the printer to install it from the CD-ROM provided.

1. **Check that the power of the printer is off.**

2. **Connect the printer and computer using the USB cable.**

    Connect the USB cable firmly.

3. **Turn on the power of the printer.**

    Found New Hardware Wizard starts, and USB Printing Support is installed automatically.

4. **In the Found New Hardware Wizard window, click [Install from a list or specific location [Advanced]], and then click [Next >].**

5. **Insert the CD-ROM in the CD-ROM drive.**

    If Auto Run starts, click [Cancel] and then [Exit].

6. **Select the [Search removable media(floppy, CD-ROM...)] check box under [Search for the best driver in these locations], and then click [Next >].**

7. **Specify the location where the source files of the printer driver is stored.**

    If the CD-ROM drive is D, the source files of the printer driver are stored in the following locations:

    - RPCS

1

D:\DRIVERS\RPCS\XP_VISTA\(Language)\DISK1

- PCL 5c

    D:\DRIVERS\PCL5C\XP_VISTA\(Language)\DISK1

- PCL 6

    D:\DRIVERS\PCL6\XP_VISTA\(Language)\DISK1

- PostScript 3

    D:\DRIVERS\PS\XP_VISTA\(Language)\DISK1

8. **Check the printer driver location, and then click [OK].**

9. **Enter the path to the file, and then click [OK].**

10. **Click [Next >].**

11. **Click [Finish].**

    If the printer driver has already been installed, plug and play is enabled, and the icon of the printer connected to the "USB001" port is added to the [Printers] window.

😊 **Note**

- To disable Auto Run, press the left Shift key when inserting the CD-ROM into the drive and keep it pressed until the computer finishes reading from the CD-ROM.

- The number after "USB" varies depending on the number of printers connected.

Windows Vista, Windows Server 2008 - USB

⭐ **Important**

- Installing a printer driver requires Administrators permission. Log on using an account that has Administrators permission.

If the printer driver has already been installed, plug and play is enabled, and the icon of the printer connected to the "USB" port is added to the [Printers] window.

The printer drivers can be installed from the CD-ROM provided with this printer.

If the printer driver is not installed, follow the plug-and-play instructions of the printer to install it from the CD-ROM provided.

1. **Check that the power of the printer is off.**

2. **Connect the printer and computer using a USB cable.**

    Connect the USB cable firmly.

3. **Turn on the power of the printer.**

    Found New Hardware Wizard starts, and USB Printing Support is installed automatically.

4. **In the Found New Hardware Wizard display, click [Search for a suitable driver for my device [recommended]], and then click [Next >].**

5. **Insert the CD-ROM into the CD-ROM drive.**

   If Auto Run starts, click [Cancel], and then [Exit].

6. **Select the [Include this location in the search] check box under [Search for the best driver in these location], and then click [Browse] to select the printer driver location.**

   If the CD-ROM drive is D, the source files of the printer driver are stored in the following locations:

   - RPCS

     D:\DRIVERS\RPCS\XP_VISTA\(Language)\DISK1

   - PCL 5c

     D:\DRIVERS\PCL5C\XP_VISTA\(Language)\DISK1

   - PCL 6

     D:\DRIVERS\PCL6\XP_VISTA\(Language)\DISK1

   - PostScript 3

     D:\DRIVERS\PS\XP_VISTA\(Language)\DISK1

7. **Check the printer driver location, and then click [Next >].**

8. **Click [Continue].**

9. **Click [Finish].**

   If the installation is successful, the icon of the printer connected to the "USB001" port is added to the [Printers and Faxes] window.

🔻 **Note**

- To disable Auto Run, press the left Shift key when inserting the CD-ROM into the drive and keep it pressed until the computer finishes reading from the CD-ROM.
- The number after "USB" varies depending on the number of printers connected.

Printing with Parallel Connection

This describes how to install the PCL, or RPCS printer driver when using the parallel port.

To use a printer connected using a parallel interface, click [LPT1] when installing the printer driver.

Important

- To install this printer driver under Windows 2000/XP/Vista, and Windows Server 2003/2003 R2/2008, you must have an account that has Manage Printers permission. Log on as a member of the Administrators group.

- If you are using Windows 2000, you can install the printer driver from the CD-ROM provided with this printer or download it from the supplier's Web site.

- If your operating system is Windows XP Pro x64, Windows Vista x64, or Windows Server 2003/2003 R2/2008 x64, you must download the printer driver from the manufacturer's Web site. Select this printer and the operating system you are using, and then download it.

Installing the PCL or RPCS printer driver:

1. **Quit all applications currently running.**
2. **Insert the CD-ROM into the CD-ROM drive.**

   The installer starts.
3. **Select an interface language, and then click [OK].**
4. **Click [PCL/RPCS Printer Drivers].**
5. **The software license agreement appears in the [License Agreement] dialog box.**

   After reading the agreement, click [I accept the agreement.], and then click [Next >].
6. **Select the printer driver you want to use in the [Select Program] dialog box.**

   You can select several printer drivers.
7. **Click [Next >].**
8. **Select the [Printer Name] check box to select the printer model you want to use.**

   The printer name can be changed in the [Change settings for 'Printer Name'] box.
9. **Double-click the printer name to display the printer settings.**

   The details shown in [Comment], [Driver], and [Port] vary depending on the operating system, printer model, and port.
10. **Check that [LPT1:] is shown in [Port].**
11. **Select the [Default Printer] check box to configure the printer as default.**
12. **Click [Finish].**

    The printer driver installation starts.

13. **After the installation is completed, select one of the options to restart the computer either now or later, and then click [Finish].**

Restart the computer to complete installation.

↓Note

- A user code can be set after the printer driver installation. For information about user code, see the printer driver Help.

- To stop installation of the selected software, click [Cancel] before installation is complete.

- Auto Run may not work with certain operating system settings. In that case, launch "Setup.exe" on the CD-ROM root directory.

- A message appears if there is a newer version of the printer driver already installed. If there is, you cannot install the printer driver using Auto Run. If you still want to install the printer driver, use [Add Printer]. See "Messages Displayed When Installing the Printer Driver", Troubleshooting.

Making Option Settings for the Printer

Make option settings for the printer using the printer driver when bidirectional communication is disabled.

1

Conditions for Bidirectional Communication

Bidirectional communication allows information about paper size and feed direction settings to be automatically sent to the printer. You can check printer status from your computer.

- Bidirectional communication is supported by Windows 2000/XP/Vista, Windows Server 2003/2003 R2/2008.

- If you use the RPCS printer driver and bidirectional communication is enabled under Windows 2000, the [Change Accessories] tab is unavailable.

To support bidirectional communication, the following conditions must be met:

When connected with parallel cables

- The computer must support bidirectional communication.

- The machine must support bidirectional communication.

- The interface cable must support bidirectional communication.

- The machine must be connected to the computer using the standard parallel cables and parallel connectors.

- Under Windows 2000, [Enable bidirectional support] must be selected, and [Enable printer pooling] must not be selected on the [Ports] tab with the RPCS printer driver.

When connected with the network

- The machine must support bidirectional communication.

- Under Windows 2000/XP/Vista, Windows Server 2003/2003 R2/2008, [Enable bidirectional support] must be selected, and [Enable printer pooling] must not be selected on the [Ports] tab with the RPCS printer driver.

- In addition to the above, one of the following conditions must also be met:

  - The SmartDeviceMonitor for Client port and the TCP/IP protocol must be used.

  - IPP port name must include the IP address when using the IPP protocol.

When connected with USB

- The printer must be connected to the computer's USB port using the USB interface cable (for Windows 2000/XP/Vista, Windows Server 2003/2003 R2/2008).

- The computer must support bidirectional communication.

1

⤓Note

- The RPCS printer driver supports bidirectional communication and updates the printer status automatically.

- The PCL printer driver supports bidirectional communication. You can update the printer status manually.

- Install SmartDeviceMonitor for Client from the supplied CD-ROM.

If Bidirectional Communication Is Disabled

Set up option settings when bidirectional communication is disabled.

★Important

- Under Windows 2000/XP/Vista, and Windows Server 2003/2003 R2/2008, Manage Printers permission is required to change the printer properties in the [Printers] folder. Log on as a member of the Administrators group.

1. **On the [Start] menu, click [Printers and Faxes].**

   The [Printers and Faxes] window appears.

   When using Windows 2000, point to [Settings] on the [Start] menu, and then click [Printers]. The [Printers] window appears.

   When using Windows Vista or Windows Server 2008, click [Control Panel] on the [start] menu, and then click [Printer]. The [Printers] window appears.

2. **Click the icon of the printer you want to use.**

3. **On the [File] menu, click [Properties].**

   When using Windows Vista, right-click the icon of the printer you want to use, and then click the [Properties].

4. **Click the [Change Accessories] tab.**

   If options in the [Change Accessories] tab are disabled, bidirectional connection is enabled. In this case, no change is necessary for option settings.

   If you are using the RPCS printer driver, click the [Change Accessories] tab.

5. **Select options installed from the [Select printer options:] area, and then make the necessary settings.**

6. **Select the total amount of the memory in [Total memory:] when the optional SDRAM module is added.**

7. **Under [Paper source tray settings:], click the tray to be used, and then select the appropriate size, position, and type for the tray. Select the [Do not use Auto Tray Select] check box to exclude the tray from the targets of automatic tray selection.**

8. **Click [OK] to close the printer properties dialog box.**

Installing Font Manager

⭐ Important

* Under Windows 2000/XP/Vista, or Windows Server 2003/2003 R2/2008, installing applications by Auto Run requires Administrator privilege. To install a printer driver by Auto Run, log on using an account that has Administrator privilege.

1. **Quit all applications currently running.**

2. **Insert the CD-ROM into the CD-ROM drive.**

   The installer starts.

3. **Click [Font Manager].**

4. **Follow the instructions on the display.**

Using Adobe PageMaker Version 6.0, 6.5, or 7.0

Under Windows 2000/XP with Adobe PageMaker, you need to copy PPD files to the PageMaker folder.

PPD files have the .ppd extension in the folder "DRIVERS＼PS＼XP_VISTA＼(Language)＼DISK1" on the CD-ROM.

The "XP_VISTA" folder inside the "PS" folder is for Windows 2000/XP, Windows Server 2003/2003 R2/2008. Use the folder that is appropriate for the operating system you are currently using.

The third folder "(Language)" may be substituted by an appropriate language name.

Copy the .ppd file to the PageMaker folder.

- **For PageMaker 6.0 default installation**

  The directory is "C:＼PM6＼RSRC＼PPD4".

- **For PageMaker 6.5 default installation**

  The directory is "C:＼PM65＼RSRC＼USENGLISH＼PPD4".

  The "USENGLISH" may vary depending on your language selection.

- **For PageMaker 7.0 default installation**

  The directory is "C:＼PM7＼RSRC＼USENGLISH＼PPD4".

  The "USENGLISH" may vary depending on your language selection.

🡇 **Note**

- If the driver is not set correctly after copying the ".ppd" file, printing may not be performed properly.

- When using PageMaker, the optional features that can be selected by the printer driver will not be active. The following procedure describes how to activate the optional printer features.

  1. On the [File] menu, click [Print].

     The [Print Document] dialog box appears.

  2. Make the necessary settings in the [Features] box.

2. Setting Up the Printer Driver

This chapter explains the printer properties and how to make changes to the printer settings.

PCL - Accessing the Printer Properties

Windows 2000 - Accessing the Printer Properties

Making printer default settings - the printer properties

⭐ Important

- To change the printer's default settings (including settings for options), log on using an account that has Manage Printers permission. Members of the Administrators group have Manage Printers permission by default.

- You cannot change the printer default settings for individual users. Settings made in the [Printer Properties] dialog box are applied to all users.

1. On the [Start] menu, point to [Settings], and then click [Printers].

   The [Printers] window appears.

2. Click the icon of the printer you want to use.

3. On the [File] menu, click [Properties].

   The [Printer Properties] dialog box appears.

4. Make the settings you require, and then click [OK].

⬇ Note

- The settings you make here are used as the default settings for all applications.

- For details, see the printer driver Help.

Making printer default settings - printing preferences

⭐ Important

- You cannot change the printer default settings for individual users. Settings made in the [Printer Properties] dialog box are applied to all users.

1. On the [Start] menu, point to [Settings], and then click [Printers].

   The [Printers] window appears.

2. Click the icon of the printer you want to use.

3. **On the [File] menu, click [Printing Preferences...].**

   The [Printing Preferences] dialog box appears.

4. **Make the settings you require, and then click [OK].**

- The settings you make here are used as the default settings for all applications.
- For details, see the printer driver Help.

Making printer settings from an application

You can make printer settings for a specific application.

To make printer settings for a specific application, open the [Printing Preferences] dialog box from that application. The following procedure explains how to make printer settings for a specific application using Windows 2000 Wordpad as an example.

1. **On the [File] menu, click [Print...].**

   The [Print] dialog box appears.

2. **In the [Select Printer] list, select the printer you want to use.**

3. **Make the settings you require, and then click [OK].**

🔽 **Note**

- Procedures for opening the [Printing Preferences] dialog box vary depending on the application. For details, see the manuals provided with the application.
- Any settings you make using this procedure apply to the current application only.
- General users can change the properties displayed in the [Print] dialog box of an application. Settings made here are used as defaults when printing from the application.
- For details, see the printer driver Help.

Windows XP, Windows Server 2003/2003 R2 - Accessing the Printer Properties

Making printer default settings - the printer properties

⭐ **Important**

- To change the printer's default settings (including settings for options), log on using an account that has Manage Printers permission. Members of the Administrators group have Manage Printers permission by default.
- You cannot change the printer default settings for individual users. Settings made in the [Printer Properties] dialog box are applied to all users.

1. **On the [Start] menu, click [Printers and Faxes].**

   The [Printers and Faxes] window appears.

2. **Click the icon of the printer you want to use.**

3. **On the [File] menu, click [Properties].**

   The [Printer Properties] dialog box appears.

4. **Make the settings you require, and then click [OK].**

⬇Note

- The settings you make here are used as the default settings for all applications.

- For details, see the printer driver Help.

Making printer default settings - printing preferences

⭐Important

- You cannot change the printer default settings for individual user. Settings made in the [Printer Properties] dialog box are applied to all users.

1. **On the [Start] menu, click [Printers and Faxes].**

   The [Printers and Faxes] window appears.

2. **Click the icon of the printer you want to use.**

3. **On the [File] menu, click [Printing Preferences...].**

   The [Printing Preferences] dialog box appears.

4. **Make the settings you require, and then click [OK].**

⬇Note

- The settings you make here are used as the default settings for all applications.

- For details, see the printer driver Help.

Making printer settings from an application

You can make printer settings for a specific application.

To make printer settings for a specific application, open the [Printing Preferences] dialog box from that application. The following procedure explains making printer settings for Windows XP WordPad as an example of how to make printer settings for a specific application.

1. **On the [File] menu, click [Print...].**

   The [Print] dialog box appears.

2. **In the [Select Printer] list, select the printer you want to use.**

3. Click [Preferences].

The [Printing Preferences] dialog box appears.

4. Make the settings you require, and then click [OK].

⬇️**Note**

- Procedures for opening the [Printing Preferences] dialog box vary depending on the application. For details, see the manuals provided with the application.

- Any settings you make using this procedure apply to the current application only.

- General users can change the properties displayed in the [Print] dialog box of an application. Settings made here are used the defaults when printing from the application.

- For details, see the printer driver Help.

Windows Vista, Windows Server 2008 - Accessing the Printer Properties

Making printer default settings - the printer properties

⭐**Important**

- To change the printer's default settings (including settings for options), log on using an account that has Manage Printers permission. Members of the Administrators group have Manage Printers permission by default.

- You cannot change the printer default settings for individual users. Settings made in the [Printer Properties] dialog box are applied to all users.

1. On the [Start] menu, click [Control Panel].

The [Control Panel] window appears.

2. In "Hardware and Sound", click [Printer].

3. Right-click the icon of the printer you want to use, and then click [Properties].

The [Printer Properties] dialog box appears.

4. Make the settings you require, and then click [OK].

⬇️**Note**

- The settings you make here are used as the default settings for all applications.

- For details, see the printer driver Help.

Making printer default settings - printing preferences

⭐ **Important**

- You cannot change the printer default settings for individual users. Settings made in the [Printing Preferences] dialog box are applied to all users.

1. **On the [Start] menu, click [Control Panel].**

   The [Control Panel] window appears.

2. **In "Hardware and Sound", click [Printer].**

3. **Right-click the icon of the printer you want to use, and then click [Printing Preferences...].**

   The [Printing Preferences] dialog box appears.

4. **Make the settings you require, and then click [OK].**

⬇ **Note**

- The settings you make here are used as the default settings for all applications.

- For details, see the printer driver Help.

Making printer settings from an application

You can make printer settings for a specific application.

To make printer settings for a specific application, open the [Printing Preferences] dialog box from that application. The following procedure explains how to make printer settings for a specific application using Windows Vista Wordpad as an example.

1. **On the [File] menu, click [Print...].**

   The [Print] dialog box appears.

2. **In the [Select Printer] list, select the printer you want to use.**

3. **Click [Preferences].**

   The [Printing Preferences] dialog box appears.

4. **Make the settings you require, and then click [OK].**

⬇ **Note**

- Procedures for opening the [Printing Preferences] dialog box vary depending on the application. For details, see the manuals provided with the application.

- Any settings you make using this procedure apply to the current application only.

- General users can change the properties displayed in the [Print] dialog box of an application. Settings made here are used the defaults when printing from the application.

- For details, see the printer driver Help.

RPCS - Accessing the Printer Properties

There are two dialog box types of the [Printer Properties] dialog box.

"Multi-tab" is used as an example in this manual. For details about changing the dialog box types, see the printer driver Help.

Multi-tab

This dialog box type is designed for users who often change print settings to perform various printing operations.

Custom Setting

This dialog box type is designed for users who rarely change print settings. This type of dialog box may vary depending on the installed options.

Windows 2000 - Accessing the Printer Properties

Making printer default settings - the printer properties

⭐ Important

- To change the printer's default settings (including settings for options), log on using an account that has Manage Printers permission. Members of the Administrators group have Manage Printers permission by default.

- You cannot change the printer default settings for individual users. Settings made in the [Printer Properties] dialog box are applied to all users.

1. **On the [Start] menu, point to [Settings], and then click [Printers].**

   The [Printers] window appears.

2. **Click the icon of the printer you want to use.**

3. **On the [File] menu, click [Properties].**

   The [Printer Properties] dialog box appears.

   When you open the [Printer Properties] dialog box for the first time after installing the RPCS printer driver, a confirmation message appears. After you click [OK], the [Printer Properties] dialog box appears.

4. **Make the settings you require, and then click [OK].**

🔽 Note

- The settings you make here are used as the default settings for all applications.

- For details, see the printer driver Help.

Making printer default settings - printing preferences

⭐**Important**

- You cannot change the printer default settings for individual users. Settings made in the [Printer Properties] dialog box are applied to all users.

1. **On the [Start] menu, point to [Settings], and then click [Printers].**

   The [Printers] window appears.

2. **Click the icon of the printer you want to use.**

3. **On the [File] menu, click [Printing Preferences...].**

   The [Printing Preferences] dialog box appears.

4. **Make the settings you require, and then click [OK].**

⬇**Note**

- The settings you make here are used as the default settings for all applications.

- For details, see the printer driver Help.

Making printer settings from an application

You can make printer settings for a specific application.

To make printer settings for a specific application, open the [Printing Preferences] dialog box from that application. The following procedure explains making printer settings for Windows 2000 WordPad as an example of how to make printer settings for a specific application.

1. **On the [File] menu, click [Print...].**

   The [Print] dialog box appears.

2. **Select the printer you want to use in the [Select Printer] list.**

3. **Make the settings you require, and then click [OK].**

⬇**Note**

- Procedures for opening the [Printing Preferences] dialog box vary depending on the application. For details, see the manuals provided with the application.

- Any settings you make using this procedure apply to the current application only.

- General users can change the properties displayed in the [Print] dialog box of an application. Settings made here are used the defaults when printing from the application.

- For details, see the printer driver Help.

Windows XP, Windows Server 2003/2003 R2 - Accessing the Printer Properties

Making printer default settings - the printer properties

⭐ **Important**

- To change the printer's default settings (including settings for options), log on using an account that has Manage Printers permission. Members of the Administrators group have Manage Printers permission by default.

- You cannot change the printer default settings for individual users. Settings made in the [Printer Properties] dialog box are applied to all users.

1. **On the [Start] menu, click [Printers and Faxes].**

   The [Printers and Faxes] window appears.

2. **Click the icon of the printer you want to use.**

3. **On the [File] menu, click [Properties].**

   The [Printer Properties] dialog box appears.

   When you open the [Printer Properties] dialog box for the first time after installing the RPCS printer driver, a confirmation message appears. After you click [OK], the [Printer Properties] dialog box appears.

4. **Make the settings you require, and then click [OK].**

⬇ **Note**

- The settings you make here are used as the default settings for all applications.

- For details, see the printer driver Help.

Making printer default settings - printing preferences

⭐ **Important**

- You cannot change the printer default settings for individual users. Settings made in the [Printer Properties] dialog box are applied to all users.

1. **On the [Start] menu, click [Printers and Faxes].**

   The [Printers and Faxes] window appears.

2. **Click the icon of the printer you want to use.**

3. **On the [File] menu, click [Printing Preferences...].**

   The [Printing Preferences] dialog box appears.

4. **Make the settings you require, and then click [OK].**

Note

- The settings you make here are used as the default settings for all applications.
- For details, see the printer driver Help.

Making printer settings from an application

You can make printer settings for a specific application.

To make printer settings for a specific application, open the [Printing Preferences] dialog box from that application. The following procedure explains making printer settings for Windows XP WordPad as an example of how to make printer settings for a specific application.

1. **On the [File] menu, click [Print...].**

   The [Print] dialog box appears.

2. **In the [Select Printer] list, select the printer you want to use.**

3. **Click [Preferences].**

   The [Printing Preferences] dialog box appears.

4. **Make the settings you require, and then click [OK].**

Note

- Procedures for opening the [Printing Preferences] dialog box vary depending on the application. For details, see the manuals provided with the application.
- Any settings you make using this procedure apply to the current application only.
- General users can change the properties displayed in the [Print] dialog box of an application. Settings made here are used the defaults when printing from the application.
- For details, see the printer driver Help.

Windows Vista, Windows Server 2008 - Accessing the Printer Properties

Making printer default settings - the printer properties

Important

- To change the printer's default settings (including settings for options), log on using an account that has Manage Printers permission. Members of the Administrators group have Manage Printers permission by default.
- You cannot change the printer default settings for individual users. Settings made in the [Printer Properties] dialog box are applied to all users.

1. **On the [Start] menu, click [Control Panel].**

   The [Control Panel] window appears.

2. **In "Hardware and Sound", click [Printer].**

3. **Right-click the icon of the printer you want to use, and then click [Properties].**

   The [Printer Properties] dialog box appears.

   When you open the [Printer Properties] dialog box for the first time after installing the RPCS printer driver, a confirmation message appears. After you click [OK], the [Printer Properties] dialog box appears.

4. **Make the settings you require, and then click [OK].**

😊 **Note**

- The settings you make here are used as the default settings for all applications.

- For details, see the printer driver Help.

Making printer default settings - printing preferences

⭐ **Important**

- You cannot change the printer default settings for individual users. Settings made in the [Pinter Preferences] dialog box are applied to all users.

1. **On the [Start] menu, click [Control Panel].**

   The [Control Panel] window appears.

2. **Click [Printer] in "Hardware and Sound".**

3. **Right-click the icon of the printer you want to use, and then click [Printing Preferences...].**

   The [Printing Preferences] dialog box appears.

4. **Make the settings you require, and then click [OK].**

😊 **Note**

- The settings you make here are used as the default settings for all applications.

- For details, see the printer driver Help.

Making printer settings from an application

You can make printer settings for a specific application.

To make printer settings for a specific application, open the [Printing Preferences] dialog box from that application. The following procedure explains how to make printer settings for a specific application using Windows Vista Wordpad as an example.

1. **On the [File] menu, click [Print...].**

   The [Print] dialog box appears.

2. **In the [Select Printer] list, select the printer you want to use.**

3. **Click [Preferences].**

   The [Printing Preferences] dialog box appears.

4. **Make the settings you require, and then click [OK].**

⬇ Note

- Procedures for opening the [Printing Preferences] dialog box vary depending on the application. For details, see the manuals provided with the application.

- Any settings you make using this procedure apply to the current application only.

- General users can change the properties displayed in the [Print] dialog box of an application. Settings made here are used the defaults when printing from the application.

- For details, see the printer driver Help.

Black and White Printing when [Photograph] or [DTP] is Selected for [Document type]

If you select [Photograph] or [DTP] for [Document type] in the [Printing Preferences] dialog box, black areas of text and line art might be detected as color images, depending the application you are using. If this happens, the document might be printed and counted as a CMYK image.

To print and count the document as a Black and White image, use the following procedure to set the color to black and white in the printer driver.

1. **In the printer driver's [Printing Preferences] dialog box, click the [Print Quality] tab.**

2. **Select the [User settings] check box.**

3. **In the list box, select a user setting.**

4. **Click [Change User Settings...].**

5. **On the [Image Adjustments] tab, select a document type in the [Load document types:] list.**

   The following document types are selectable:

   [Photograph (Quality)], [Photograph (Speed)], [Photograph (High Speed)], [DTP (Quality)], [DTP (Speed)], and [DTP (High Speed)].

6. **In the [Gray reproduction (Txt/Line Art):] list, select [K (Black)].**

   The gray reproduction is set to pure black, and the [Load document types:] list becomes blank.

   If you select the [Print as bitmap] check box on the [Misc.] tab, the gray reproduction setting is ignored, and black areas of text and line art are printed and counted as CMYK images.

7. **Click [OK].**

🔽 Note

- Black areas of text and line art that were produced using colors other than black and grey are printed out and counted as CMYK images even if they appear as black or grey on the screen.
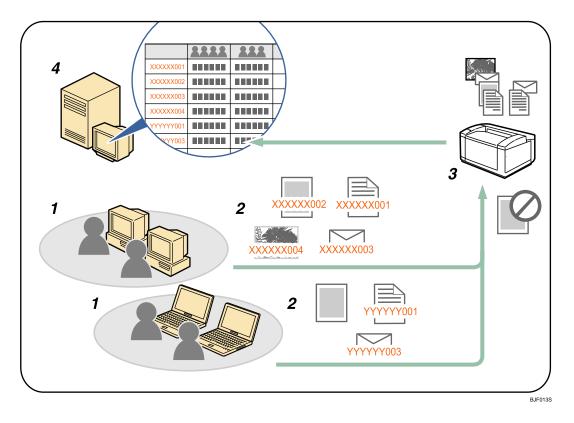
Registering Classification Codes

This section explains classification codes.

If you register classification codes, the printer logs the number of prints made under each code.

You can register classification codes to individual users and specified purposes, enabling you to monitor printer usage by each.

For example, you can manage accounts according to individual clients or account titles.

Classification Code - Based Process (example)

BJF013S

1. **Divisions, sections, departments, project teams, users, etc., to be managed.**

2. **The appropriate classification code for the print job is entered.**

   For details, see "Specifying Classification Code for a Print Job ".

3. **The job is printed.**

   When printing in an environment where classification codes are required, print jobs that do not have a classification code cannot be printed.

   For details, see "Configuring Classification Codes".

4. **Classification codes are collected and managed by an external log collection system.**

Configuring Classification Codes

Use Web Image Monitor to specify whether or not to apply classification code requirement to print jobs.

⭐ Important

- The configuration page can be printed at any time.
- The default setting for classification code requirement is "Optional".

1. **Start Web Image Monitor.**

2. **Click [Login].**

   A dialog box for entering the login user name and login password appears.

3. **Enter the login user name and password, and then click [Login].**

   For details about the login user name and password, consult your network administrator.

4. **Click [Configuration] in the left area, and then click [Logs].**

5. **Check that [Required] or [Optional] is selected for [Classification Code] in the [Common Settings for All Logs] column.**

   If "Required" is selected for the classification code requirement setting in Web Image Monitor, any print job that without a classification code specified will not be printed.

6. **Click [OK].**

7. **Click [Logout].**

8. **Quit Web Image Monitor.**

Specifying the Classification Code for a Print Job

When printing in an environment where classification codes are required, a classification code must be specified for each print job.

⭐ Important

- The PostScript 3 printer driver does not support the classification codes and it cannot be used to print under environment which the classification codes are required.

For the RPCS printer driver:

1. **Open the printer properties dialog box after creating a document in an application.**

2. **Click the [Print Settings] or [Setup] tab.**

3. **Select Job type in [Job type:] box.**

4. **Click [Details...].**

   If you select [Send to Job Binding] in the [Job type:] box, you cannot enter a classification code.

5. **Enter the classification code in the [Classification code:] box, and then click [OK].**

   This code identifies the user. The classification code can contain up to 32 alphanumeric (a-z, A-Z, 0-9, "-") characters.

6. **Make any other necessary print settings, and then click [OK].**

7. **A confirmation message appears. Read it, and then click [OK].**

8. **Execute the print command.**

9. **The print job is sent to the printer.**

For the PCL printer driver:

1. **Open the printer properties dialog box after creating a document in an application.**

2. **Click the [Valid Access] tab.**

3. **Enter the classification code in the [Classification Code:] box.**

   This code identifies the user. The classification code can contain up to 32 alphanumeric (a-z, A-Z, 0-9, "-") characters.

4. **Make any other necessary print settings, and then click [OK].**

5. **A confirmation message appears. Read it, and then click [OK].**

6. **Execute the print command.**

7. **The print job is sent to the printer.**

🔻 **Note**

- The specified classification code is stored in the printer driver.

- To switch between different classification codes, install the printer driver under different names, and specify different classification code for each driver.

- For details about how to view the log collected using Classification Code, see the manual for the external log collection system.

📖 **Reference**

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-
-

3. Print Functions Available for This Machine

This chapter explains the various printing functions, including Sample Print, Locked Print, Hold Print, Stored Print, and PDF Direct Print.

Printing a PDF File Directly

You can send PDF files directly to the machine for printing, without having to open a PDF application.

⭐ **Important**

- This function is possible only when the optional PostScript 3 unit is installed.
- This function is possible for genuine Adobe PDF files only.
- Version 1.3, 1.4, 1.5, and 1.6 PDF files are compatible.
- PDF files created using PDF version 1.5 Crypt Filter functions or more than eight DeviceN Color Space components cannot be printed.
- PDF files created using PDF version 1.6 watermark note functions, or extended optional contents cannot be printed.
- PDF version 1.7 (Acrobat 8.0) files created without any functions that are exclusive to PDF version 1.7 can be printed.

🔽 **Note**

- Paper size errors may occur when printing on custom size paper.

Printing Method

There are the two methods of printing the PDF files directly, either using the DeskTopBinder Lite, or entering commands.

Using DeskTopBinder Lite

Installing DeskTopBinder Lite

Follow the procedure below to install DeskTopBinder Lite.

1. **Quit all applications currently running.**
2. **Insert the "Scanner Driver and Utilities" CD-ROM into the CD-ROM drive.**

   The installer starts.

Auto Run may not work under certain operating system settings. In this case, launch "Setup.exe", located on the CD-ROM root directory.

3. **Click [DeskTopBinder Lite].**

The [DeskTopBinder Lite] dialog box appears.

4. **Click [DeskTopBinder Lite], and then click [OK].**

5. **Follow the instructions on the display to install DeskTopBinder Lite.**

If you are required to restart the computer after installing DeskTopBinder Lite, restart the computer and continue the configuration.

DeskTopBinder Lite enhancements

Follow the DeskTopBinder Lite enhancement procedure to print PDF files directly.

1. **On the [Start] menu, point to [All Programs], [DeskTopBinder], and then click [Extended Features Wizard].**

The [Extended Features Wizard] dialog box appears.

2. **Click [Start], and then click [Next>] repeatedly until the [Printing Function2] dialog box appears.**

3. **In the [Printing Function2] dialog box, click [Add...].**

The [PDF Direct Print Properties] dialog box appears.

4. **Select the driver for this machine, and then click [OK].**

The [PDF Direct Print Properties] dialog box closes.

5. **Click [Next>] repeatedly until [Finish] appears.**

6. **Click [Finish].**

Function Palette

The Function palette contains buttons for functions that are already configured through DeskTopBinder Lite enhancement. Using these buttons, you can print Windows files, preview printouts, convert images, and register scanners for documents without having to open DeskTopBinder Lite. You can also use these functions simply by dragging a target file to the button corresponding to the required function and dropping it there.

1. **On the [Start] menu, point to [All Programs], [DeskTopBinder], and then click [Function Palette].**

An icon for the Function palette is added to the task tray displayed at the bottom right of the screen.

2. **Right-click the new icon that has been added to the task tray, and then click [Properties...].**

The [Properties] dialog box appears.

3. **Click the [Contents] tab, select the [PDF Direct Print] check box at the center, and then click [OK].**

   The [Properties] screen closes and the [PDF Direct Print] icon is added to the palette.

PDF Direct Printing

Follow the procedure below to print PDF files directly.

1. **Drag the PDF file you want to print to the PDF Direct Printing icon on the Function Palette and drop it there.**

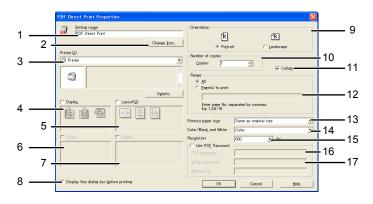   The [Output File List - PDF Direct Print] dialog box appears.

2. **Highlight the PDF file you want to print, and then click [OK].**

   The PDF file is printed.

Printing PDF Password-Protected Documents

Follow the procedure below to print password-protected PDF files.

1. **On the [Start] menu, point to [All Programs], [DeskTopBinder], and then click [Extended Features Wizard].**

   The [Extended Features Wizard] dialog box appears.

2. **Click [Start], and then click [Next>] repeatedly until the [Printing Function2] dialog box appears.**

3. **In the [Printing Function2] dialog box, click [Properties...].**

   The [PDF Direct Print Properties] dialog box appears.

4. **Select the [Use PDF Password] check box at the bottom right of the dialog box, and then click [OK].**

5. **Click [Next>] repeatedly until [Finish] appears.**

6. **Click [Finish].**

   The [Extended Features Wizard] dialog box closes.

7. **Drag the PDF file you want to print over the PDF Direct Printing icon on the Function Palette and drop it there.**

   The [Output File List - PDF Direct Print] dialog box appears.

8. **Click on the PDF file you want to print, making it appear highlighted, and then click [OK].**

   The [PDF Direct Print Properties] dialog box appears.

9. **In the [PDF password:] box at the bottom right of the dialog box, enter the password for the PDF file you want to print, and then click [OK].**

   The password-protected PDF file is printed.

➡Note

- Before printing a password-protected PDF file, perform one of the followings:
  - In the [PDF Direct Print Properties] dialog box, enter the password for the PDF file you want to print
  - Specify a password for the PDF file by selecting [Change PDF Password] in the [PDF Menu] on the machine's control panel.
- If a [PDF Group Password] for the [PDF Menu] has been specified using DeskTopBinder Lite or the machine's control panel, the same group password must be set on the other also.

PDF Direct Print Properties

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1. **Setting name:**

   Displays the plug-in configuration name (up to 63 single byte characters)

2. **Change Icon...**

   Changes the icon displayed on the tool bar.

3. **Printer:**

   Displays a list of RPCS drivers that support PDF direct printing.

4. **Duplex**

   Prints on both sides of sheets.

5. **Layout**

   Prints multiple pages on a single sheet.

6. **Punch**

   Punches holes in printed sheets.

7. **Staple**

   Staples together printed sheets.

8. **Display this dialog box before printing**

   Appears in PDF direct printing mode if this check box is selected.

9. **Orientation:**

   Specify the original's orientation.

10. **Number of copies**

    Specify the number of copies to print.

11. **Collate**

    Sorts printed sheets.

12. **Range:**

    Specify which paper to print.

13. **Printout paper size:**

    Specify the paper size you want copies to be printed onto.

14. **Color/Black and White:**

    Specify color or black-and-white printing.

15. **Resolution:**

    Specify a print resolution.

16. **PDF password:**

    Enter the password for password-protected PDF files. A password-protected PDF file cannot be printed unless its password is entered here.

17. **Group password:**

    If a group password is assigned to DeskTopBinder Lite and this machine, enter the group password in this field. The group password must be entered for printing to start.

Using Commands

You can print PDF files directly, using commands such as "ftp", "sftp", and "lpr".

For details about the printing commands, see "Printing Commands". Network and System Settings Guide.

Unauthorized Copy Control

You can embed patterns and text under printed text to prevent unauthorized copying of the document. Unauthorized Copy Control consists of two functions: [Data security for copying] and [Mask type:].

⭐**Important**

- **This function is designed to discourage copying of confidential documents; it does not prevent unauthorized use of information.**

Opening the Unauthorized Copy Control Window

1. **In the RPCS printer driver, open the [Printing Preference] window.**
2. **Click [Add/Change Custom Settings...].**
3. **Select the [Unauthorized copy...] check box.**
4. **Click [Control Settings...].**
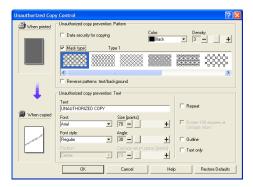
   The [Unauthorized Copy Control] window appears.

⬇**Note**

- For details, see the printer driver Help.
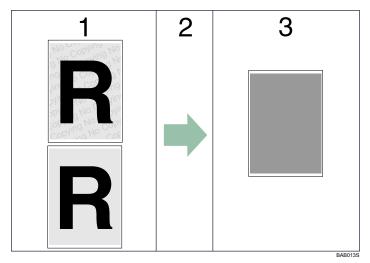
Using [Data security for copying]

You can embed a print pattern by setting it in the printer driver.

Setting [Data security for copying] in the printer driver

- Select the [Data security for copying] check box. You can also enter the text in the [Text:] box.
- You cannot select the [Mask type:] check box at the same time.
- To print a document protected by gray overprint, the machine must be set up correctly. Consult your administrator.

Printing a document using [Data security for copying]

BAB013S

1. The pattern and text you have set is printed.

2. The document is copied or stored in copiers/multifunction machines which the optional Copy Data Security unit is installed.

3. The document is blanked by gray overprint.

Note

- When printing a document that is set with [Data security for copying], the machine does not require the optional Copy Data Security unit to be installed. The Copy Data Security unit is required when copying or storing a document protected by gray overprint.

- Only the RPCS printer driver is supported.

- Printing at 200×200 dpi is not possible.

- You cannot partially embed a pattern and text in a document.

- To make the embedded pattern clear, set the character size at least 50 pt (preferably 70 to 80 pt) and character angle to between 30 and 40 degrees.

- Use 182×257 mm ($7^1/_4$ ×10$^1/_2$ in.) or larger paper.

- Use ordinary or recycled paper of at least 70% whiteness.

- Duplex printing may interfere with this function as a result of text and patterns being visible through the paper.

- For details about setting [Data security for copying], see the printer driver Help.

Using [Mask type:]
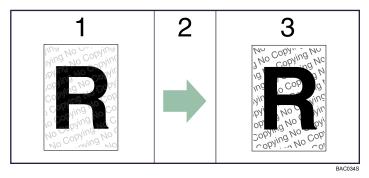
You can embed patterns and texts in a document by setting in the printer driver to prevent unauthorized copying.

Setting [Mask type:] in the printer driver

- Select a pattern from [Mask type:], and then enter texts in the [Text:] box.

- You can select overprint color from [Black], [Cyan], or [Magenta] in the [Color:] list.

- You can set only [Text:], but [Mask type:] and [Text:] must be set together.

Printing a document using [Mask type:]

BAC034S

1. **The pattern and text you have set is printed palely.**

2. **The document is copied, scanned, or stored in copiers / multifunction machines.**

3. **The pattern and text you have set appear clearly.**

🔽Note

- Only the RPCS printer driver is supported.

- Printing at 200×200 dpi is not possible.

- You cannot partially embed patterns and texts strings in a document.

- To make the embedded pattern clear, set the character size at least 50 pt (preferably 70 to 80 pt) and character angle to between 30 and 40 degrees.

- Due to the effects of the settings, the results of copying, scanning, and saving documents in the document server may vary depending on the machine model and setting conditions.

- Printing with background patterns and texts may be slower than normal printing.

- For details about setting [Mask type:], see the printer driver Help.

Important Notice

- The supplier does not provide warranty regarding the appearance of print patterns and other copy protection features. The appearance of the print patterns and the performance of Unauthorized Copy Control may vary depending on the quality of paper used and the machine model and settings.

- The supplier takes no responsibility for any damages sustained in connection with use of or inability to make use of Unauthorized Copy Control print patterns.

3

Using the Print Job Function

This describes how to print files stored in the machine.

The following types of printing can be selected using the printer driver: Sample Print, Locked Print, Hold Print, and Stored Print.

You can print or delete the print jobs stored in the machine which is sent from computers.
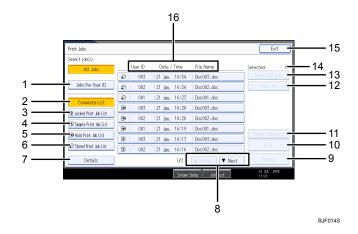
If you select Sample Print, Locked Print, and Hold Print, the print files stored in the machine are deleted after printing is completed. If you select Stored Print, the files remain in the machine even after printing is finished.

If you press [Print Jobs] on the Printer screen, the Complete List or the List Per User ID screen appears depending on which list type you select from [Initial Print Job List].

Complete List

 If you select [Complete List] from [Initial Print Job List], the following screen appears:

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1. [Jobs Per User ID]

   Displays List Per User ID.

2. [Complete List]

   Displays all files stored in the machine.

3. [Locked Print Job List]

Displays only Locked Print files stored in the machine.

4. [Sample Print Job List]

   Displays only Sample Print files stored in the machine.

5. [Hold Print Job List]

   Displays only Hold Print files stored in the machine.

6. [Stored Print Job List]

   Displays only Stored Print files stored in the machine.

7. [Details]

   Displays details about a selected file.

8. [▲Previous]/[▼Next]

   If the list of files does not fit on the screen, scroll up or down to view the list.

9. [Delete]

   Deletes a selected file.

10. [Print]

    Prints a selected file.

11. [Change Password]

    Changes or deletes the password of a file if a password is set. To change the password, press [Change Password], enter the current password, and then enter the new password on the confirmation screen. To delete the password, press [Change Password], leave the entering/confirming a new password box blank, and then press [OK].

    You can also set passwords to the Stored Print files that do not currently have passwords.

12. [Clear All]

    Clears all selections.

13. [Select All Jobs]

    Selects all files stored in the machine.

14. Selected:

    Displays number of the files selected.

15. [Exit]
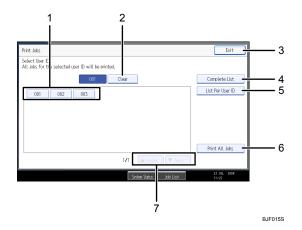
    Returns to the Printer screen.

16. User ID, Date/Time: , and File Name: display

    Displays the time when the instruction to print the stored files was entered, the User IDs, and the file names.

List Per User ID

    If you select [List Per User ID] from [Initial Print Job List], the following screen appears:

BJF015S

1. [User ID]

   Displays the User IDs who sent files to the machine.

2. [Clear]

   Clears a selection.

3. [Exit]

   Returns to the Printer screen.

4. [Complete List]

   Displays all print jobs.

5. [List Per User ID]

   Displays the print job list of each ID.

6. [Print All Jobs]

   Prints all selected type of files sent by the user ID.

7. [▲Previous]/[▼Next]

   If the list of files does not fit on the screen, scroll up or down to view the list.

🔽Note

- Multiple files can be selected on the Print Jobs screen. To clear selection, press the selected print jobs again.

- The display is not updated if a new file is stored while the list of stored files is displayed. To update the display, press [Exit] to return to the Printer screen, and then press [Print Jobs] again.

- If a large number of print jobs is stored in the machine, processing may slow temporarily, depending on which functions are used.

- If you press [List Per User ID] in the Complete List screen, the screen switches to the List Per User ID screen where [Back] appears at the bottom right. Press [Back] to switch to the Complete List screen.

- For details about Sample Print, Locked Print, Hold Print, and Stored Print, see "Printing from the Print Job Screen".

Reference
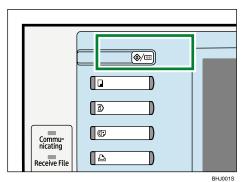
- p.91 "Printing from the Print Job Screen"

Selecting the Initial Print Job List

Follow the procedure below to set the initial Print Jobs screen, and to show it.

Selecting the Initial Print Job List

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

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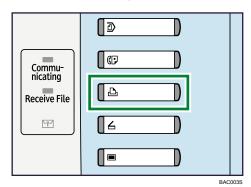2. **Press [Printer Features].**

   The Printer Features menu appears.

3. **On the [System] tab, press [Initial Print Job List].**

4. **Select either [Complete List] or [List Per User ID].**

After configuring the settings, the selected type of print job list is displayed.

Displaying a Print Job List

1. **Press the [Printer] key.**

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2. **Press [Print Jobs].**

Either the Complete List or List Per User ID screen appears.

Printing from the Print Job Screen

This describes about Sample Print, Locked Print, Hold Print, and Stored Print.

Sample Print

Use this function to print only the first set of a multiple-set print job. After you have checked the result, remaining sets can be printed or canceled using the machine's control panel. This can reduce misprints due to mistakes in contents or settings.

⭐ **Important**

- A Sample Print file cannot be stored if:
    - the total number of Sample Print, Locked Print, Hold Print, and Stored Print files in the machine is over 100. (The maximum number varies depending on the volume of data in files.)
    - the file contains over 1,000 pages.
    - the machine's sent or stored files total over 6,000 black-and-white pages. (The total varies depending on the size of the files.)
    - the machine's sent or stored files total over 3,000 color pages. (The total varies depending on the size of the files.)

⬇ **Note**

- If a Sample Print file has not been stored properly, check the error log on the control panel.
- Even after you turn off the machine, stored documents in the machine remain. However, the [Auto Delete Temporary Print Jobs] or [Auto Delete Stored Print Jobs] settings are applied first.
- If the application has a collate option, make sure it is not selected before sending a print job. By default, Sample Print jobs are automatically collated by the printer driver. If a collate option is selected from the application's [Print] dialog box, more prints than intended may be produced.
- If the first set of the Sample Print files is not as you expected and you do not want to print remaining sets, delete the Sample Print file using the control panel. If you print the remaining sets of the Sample Print file, the job in the machine is deleted automatically.
- For details about the error log on the control panel, see "Checking the Error Log".
- For details about the [Auto Delete Temporary Print Jobs] and [Auto Delete Stored Print Jobs], see "System".

📄 **Reference**

- p.113 "Checking the Error Log"
- p.159 "System"

Printing a Sample Print file

The following procedure describes how to print a Sample Print file with the PCL 5c/6 and the RPCS printer driver. For details about how to print a Sample Print file with the PostScript 3 printer driver, see PostScript 3 Supplement included as a PDF file on the CD-ROM.

⭐ **Important**

- Applications with their own drivers, such as PageMaker, do not support this function.

- If you are using Mac OS X, you need Mac OS X v10.2 or higher version to use this function.

1. **Configure Sample Print in the printer driver's properties.**
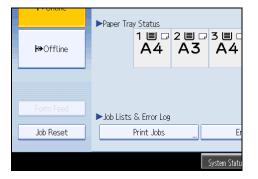
   For details about configuring the printer drivers, see the relevant Help files.

2. **Start printing from the application's [Print] dialog box.**

   Make sure to set more than two copies.

   The Sample Print job is sent to the machine, and the first set is printed.

3. **On the machine's control panel, press the [Printer] key to display the Printer screen.**

4. **Press [Print Jobs].**

   A list of print files stored in the machine appears.

5. **Press [Sample Print Job List].**

   A list of Sample Print files stored in the machine appears.

   Depending on the security settings, certain print jobs may not be displayed.

6. **Select the file you want to print, and press [Print].**

7. **Enter the new number of sets using the number keys.**

You can enter up to 999 sets.

Press the [Clear/Stop] key to correct any entry mistakes.

8. **Press [Yes].**

The remaining sets are printed.

Press [No] to cancel printing.

Note

- If you select multiple files, the confirmation screen displays the total number of files to be printed.
- If you select multiple documents and do not specify the number of sets on the confirmation screen, one set less than the number specified on the computer is printed for every selected document. If the number of sets specified on the computer is "1", one set each is printed for every document.
- When printing accumulated sample print documents, you cannot change the numbers of sets.
- When printing is completed, the stored file will be deleted.
- To stop printing after printing has started, press [Exit] until the Printer screen appears, and then press [Job Reset]. The file will be deleted.

Deleting Sample Print files

If you are not satisfied with the sample printout, you can delete the Sample Print file, revise it and print it again until the settings are suitable.

1. **Press the [Printer] key to display the Printer screen.**

2. **Press [Print Jobs].**

   A list of the print files stored in the machine appears.

3. **Press [Sample Print Job List].**

   A list of Sample Print files stored in the machine appears.

   Depending on the security settings, certain print jobs may not be displayed.

4. **Select the file you want to delete, and then press [Delete].**

   The delete confirmation screen appears.

5. **Press [Yes] to delete the file.**

   The selected file is deleted.

🔽 **Note**

- If you do not want to delete the file, press [No].

- If you select multiple files, the confirmation screen displays the total number of files to be deleted.

Locked Print

Use this function to maintain privacy when printing confidential documents on the machine over a shared network. Usually, it is possible to print data using the control panel once it is stored in this machine. When using Locked Print, it is not possible to print unless a password is entered on the machine's control panel. Your confidential documents will be safe from being viewed by other people.

⭐ **Important**

- A Locked Print file cannot be stored if:
  - the total number of Sample Print, Locked Print, Hold Print, and Stored Print files in the machine is over 100. (The maximum number varies depending on the volume of data in files.)
  - the file contains over 1,000 pages.
  - the machine's sent or stored files total over 6,000 black-and-white pages. (The total varies depending on the size of the files.)
  - the machine's sent or stored files total over 3,000 color pages. (The total varies depending on the size of the files.)

🔽 **Note**

- If a Locked Print file has not been stored properly, check the error log on the control panel.

- Even after you turn off the machine, stored documents remain. However, the [Auto Delete Temporary Print Jobs] or [Auto Delete Stored Print Jobs] settings are applied first.

- If the application has a collate option, make sure it is not selected before sending a print job. Locked Print jobs are automatically collated by the printer driver as default. If a collate option is selected in the application print dialog box, more sets than intended may be printed.

- After the Locked Print file is printed, the job is automatically deleted.

- For details about the error log on the control panel, see "Checking the Error Log".

- For details about the [Auto Delete Temporary Print Jobs] and [Auto Delete Stored Print Jobs], see "System".

🔖 Reference

- p.113 "Checking the Error Log"

- p.159 "System"

Printing a Locked Print file

The following procedure describes how to print a Locked Print file with the PCL 5c/6 and the RPCS printer driver. For details about how to print a Locked Print file with the PostScript 3 printer driver, see PostScript 3 Supplement included as a PDF file on the CD-ROM.

⭐ Important

- Applications with their own drivers, such as PageMaker, do not support this function.
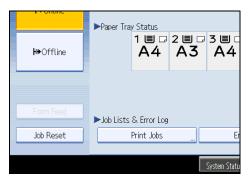
- If you are using Mac OS X, you need Mac OS X v10.2 or higher to use this function.

1. **Configure the Locked Print in the printer driver's properties.**

   For details about configuring the printer drivers, see the corresponding Help files.

2. **Start printing from the application's [Print] dialog box.**

   The Locked Print job is sent to the machine.

3. **On the machine's control panel, press the [Printer] key to display the Printer screen.**

4. **Press [Print Jobs].**

   A list of print files stored in the machine appears.

5. **Press [Locked Print Job List].**

A list of Locked Print files stored in the machine appears.

Depending on the security settings, certain print jobs may not be displayed.

6. **Select the file you want to print, and then press [Print].**

The password screen appears.

7. **Enter the password using the number keys, and then press [OK].**

The print confirmation screen appears.

A confirmation screen will appear if the password is not entered correctly. Press [Exit] to enter the password again.

If multiple print files are selected, the machine prints files that correspond to the entered password. The number of files to be printed is displayed on the confirmation screen.

If you forgot your password, ask your file administrator for help.

8. **Press [Yes].**

The locked file is printed.

Press [No] to cancel printing.

↓Note

- When printing is completed, the stored file will be deleted.

- To stop printing after printing has started, press [Exit] until the Printer screen appears, and then press [Job Reset]. The file will be deleted.

Deleting Locked Print files

1. **Press the [Printer] key to display the Printer screen.**

2. **Press [Print Jobs].**

3. **Press [Locked Print Job List].**

   A list of Locked Print files stored appears.

   Depending on the security settings, certain print jobs may not be displayed.

4. **Select the file you want to delete, and then press [Delete].**

   The password screen is displayed.

5. **Enter the password using the number keys, and then press [OK].**

   The delete confirmation screen appears.

   A confirmation screen will appear if the password is not entered correctly. Press [Exit] to enter the password again.

   If you forget your password, ask your file administrator for help.

6. **Press [Yes].**

   The selected file is deleted.

   If you do not want to delete the file, press [No].

↓Note

- If multiple print files are selected, the machine deletes files that correspond to the entered password. The number of files to be deleted is displayed on the confirmation screen.

Hold Print

Use this function to temporarily hold a file in the machine, and print it from the computer or the machine's control panel later.

★Important

- A Hold Print file cannot be stored if:

  - the total number of Sample Print, Locked Print, Hold Print, and Stored Print files in the machine is over 100. (The maximum number varies depending on the volume of data in files.)

- the file contains over 1,000 pages.
- the machine's sent or stored files total over 6,000 black-and-white pages. (The total varies depending on the size of the files.)
- the machine's sent or stored files total over 3,000 color pages. (The total varies depending on the size of the files.)

↓Note

- If a Hold Print file has not been stored properly, check the error log on the control panel.
- Even after you turn off the machine, stored documents in the machine remain. However, the [Auto Delete Temporary Print Jobs] or [Auto Delete Stored Print Jobs] settings are applied first.
- If the application has a collate option, make sure it is not selected before sending a print job. By default, Hold Print jobs are automatically collated by the printer driver. If a collate option is selected from the application's Print dialog box, more prints than intended may be produced.
- For details about the error log on the control panel, see "Checking the Error Log"
- For details about the [Auto Delete Temporary Print Jobs] and [Auto Delete Stored Print Jobs], see "System".

目Reference

- p.113 "Checking the Error Log"
- p.159 "System"

Printing a Hold Print file

The following procedure describes how to print a Hold Print file with the PCL 5c/6 and the RPCS printer driver. For details about how to print a Hold Print file with the PostScript 3 printer driver, see Postscript 3 Supplement included as a PDF file in the supplied CD-ROM.
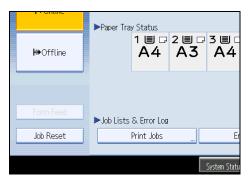
★Important

- Applications with their own drivers, such as PageMaker, do not support this function.
- If you are using Mac OS X, you need Mac OS X v10.2 or higher to use this function.

1. **Configure Hold Print in the printer driver's properties.**

   For details about configuring the printer drivers, see the relevant Help files.

2. **Click [Details...], and then enter a User ID in the [User ID:] box.**

3. **Start printing from the application's [Print] dialog box.**

   The Hold Print job is sent to the machine and stored.

4. **On the machine's control panel, press the [Printer] key to display the printer screen.**
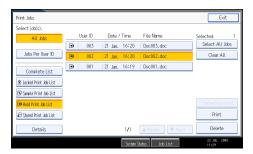
5. **Press [Print Jobs].**

6. **Press [Hold Print Job List].**

A list of Hold print files stored in the machine appears.

Depending on the security settings, certain print jobs may not be displayed.

7. **Select the file you want to print, and press [Print].**

The confirmation screen appears.

8. **Press [Yes].**

The Hold Print file is printed.

Press [No] to cancel printing.

Note

- When printing is completed, the stored file is deleted.
- To stop printing after printing has started, press [Exit] until the Printer screen appears, and then press [Job Reset]. The file will be deleted.

- If you select multiple files, the confirmation screen displays the total number of files to be printed.

- For details about setting printer drivers, see the printer driver Help.

- You can also print or delete a Hold Print file from Web Image Monitor. For details, see Web Image Monitor Help.

Deleting Hold Print files

1. **Press the [Printer] key to display the Printer screen.**
2. **Press [Print Jobs].**

    A list of print files stored in the machine appears.

3. **Press [Hold Print Job List].**

    A list of Hold Print files stored in the machine appears.

    Depending on the security settings, certain print jobs may not be displayed.

4. **Select the file you want to delete, and then press [Delete].**

    The delete confirmation screen appears.

5. **Press [Yes] to delete the file.**

    The selected file is deleted.

    If you do not want to delete the file, press [No].

⬇ **Note**

- If you select multiple files, the confirmation screen displays the total number of files to be deleted.

Stored Print

Use this function to store a file in the machine, and then print it from the computer or the machine's control panel later.

Jobs are not deleted after they are printed, so the same job need not be re-sent in order to print multiple copies.

⭐ **Important**

- A Stored Print file cannot be stored if:
    - the total number of Sample Print, Locked Print, Hold Print, and Stored Print files in the machine is over 100. (The maximum number varies depending on the volume of data in files.)
    - the file contains over 1,000 pages.
    - the machine's sent or stored files total over 6,000 black-and-white pages. (The total varies depending on the size of the files.)

- the machine's sent or stored files total over 3,000 color pages. (The total varies depending on the size of the files.)

Note

- If a Stored Print file has not been stored properly, check the error log on the control panel. Even after you turn off the machine, stored documents remain. However, the [Auto Delete Temporary Print Jobs] or [Auto Delete Stored Print Jobs] settings are applied first (see "Printer Features").

- If the application has a collate option, make sure it is not selected before sending a print job. By default, Stored Print jobs are automatically collated by the printer driver. If a collate option is selected from the application's Print dialog box, more prints than intended may be produced. You can optionally set a document title and a password of a Stored Print file. For details about a password setting, see the printer driver Help.

- For details about the error log on the control panel, see "Checking the Error Log".

- For details about the [Auto Delete Temporary Print Jobs] and [Auto Delete Stored Print Jobs], see "System".

Reference

- p.113 "Checking the Error Log"
- p.159 "System"

Printing a Stored Print file

The following procedure describes how to print a Stored Print file with the PCL 5c/6 and the RPCS printer driver. For details about how to print a Stored Print file with the PostScript 3 printer driver, see Postscript 3 Supplement included as a PDF file on the supplied CD-ROM.

Important

- Applications with their own drivers, such as PageMaker, do not support this function.
- If you are using Mac OS X, you need Mac OS X v10.2 or higher to use this function.

1. **Configure Stored Print in the printer driver's properties.**

   You can select two methods of Stored Print:

   - [Stored Print]

     Stores the file in the printer and prints it later using the control panel.

   - [Store and Normal Print]

     Prints the file at once and also stores the file in the machine.

   For details about configuring the printer drivers, see the relevant Help files.
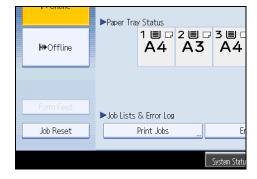
2. **Click [Details...], and then enter a User ID in the [User ID:] box.**

   You can also set a password. The same password must be entered when printing or deleting.

3. **Start printing from the application's [Print] dialog box.**

   The Stored Print job is sent to the machine and stored.

4. **On the machine's control panel, press the [Printer] key to display the Printer screen.**

5. **Press [Print Jobs].**

6. **Press [Stored Print Job List].**

   A list of Stored Print files stored in the machine appears.

7. **Select the file you want to print, and press [Print].**

   The confirmation screen appears.

   If you set a password in the printer driver, a password confirmation screen appears. Enter the password.

   If multiple print files are selected, and some of these require a password, the machine prints files that correspond to the entered password and files that do not require a password. The number of files to be printed is displayed on the confirmation screen.

If you forgot your password, ask your file administrator for help.

8. **Enter the number of sets using the number keys.**

You can enter up to 999 sets.

Press the [Clear/Stop] key to correct any entry mistakes.

9. **Press [Yes].**

The Stored Print file is printed.

Press [No] to cancel printing.

🔽 **Note**

- If you select multiple files, the confirmation screen displays the total number of files to be printed. If you select multiple documents, set numbers are determined based on the smallest set number specified for a selected document.

- When printing accumulated stored print documents, you cannot change the numbers of sets.

- To stop printing after printing has started, press [Exit] until the Printer screen appears, and then press [Job Reset]. A Stored Print file is not deleted even if [Job Reset] is pressed.

- The Stored Print file that sent to the machine is not deleted unless you delete a file or select [Auto Delete Stored Print Jobs] (see "System").

- For details about setting printer drivers, see the printer driver Help.

- You can also print or delete a Stored Print file from Web Image Monitor. For details, see Web Image Monitor Help.

📘 **Reference**

- p.159 "System"

Deleting Stored Print files

1. **Press the [Printer] key to display the Printer screen.**

2. **Press [Print Jobs].**

A list of print files stored in the machine appears.

3. **Press [Stored Print Job List].**

   A list of Stored Print files stored in the machine appears.

   Depending on the security settings, certain print jobs may not be displayed.

4. **Select the file you want to delete, and press [Delete].**

   The delete confirmation screen appears.

   If you set the password in the printer driver, enter the password to delete.

   If multiple print files are selected, and some of these require a password, the machine deletes files correspond to the entered password and files that do not require a password. The number of files to be deleted is displayed on the confirmation screen.

   If you forgot your password, ask your file administrator for help.

5. **Press [Yes] to delete the file.**

   The selected file is deleted.

   If you do not want to delete the file, press [No].

Note

- If you select multiple files, the confirmation screen displays the total number of files to be deleted.

Printing from the Jobs Per User ID Screen
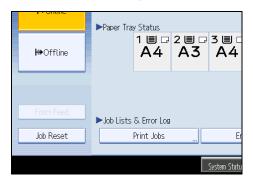
This describes how to print the files saved in the machine from the User ID screen.

Printing the Selected Print Job

1. **Press the [Printer] key.**
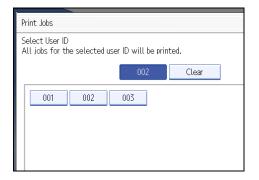
   The Printer screen appears.

2. **On the Printer screen, press [Print Jobs].**

   A list of user IDs whose files are stored in the machine appears.

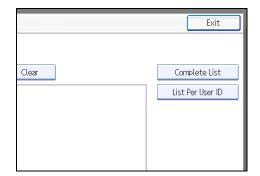3. **Press the user ID whose file you want to print.**

   You cannot select multiple user IDs at the same time.

   Press [▲Previous] or [▼Next] to scroll through the list.

   Press [Clear] to cancel a selection.

4. **Press [List Per User ID].**

The print job list of the selected user ID appears.

5. **Select the desired print jobs.**

To cancel a selection, press the highlighted print job again. To clear all selections, press [Clear All].

6. **Press [Print].**

The confirmation screen appears.

7. **Press [Yes].**

The selected files are printed.

🔽Note

• If you select multiple files, the confirmation screen displays the total number of files to be printed.

Printing All Print Jobs

1. **Press the [Printer] key.**

The Printer screen appears.

On the Printer screen, press [Print Jobs].

A list of user IDs whose files are stored in the machine appears.
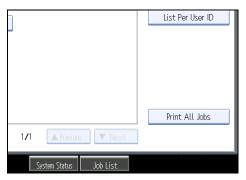
2. **Press the user ID whose file you want to print.**

You cannot select multiple user IDs at the same time.

Press [▲Previous] or [▼Next] to scroll through the list.

Press [Clear] to cancel a selection.

3. **Press [Print All Jobs].**

If the selected user ID has multiple types of print jobs, the selection screen of the print job type appears.

3

4. **Select the desired print job type, and then press [OK].**

The confirmation screen appears.

The confirmation screen does not appear if the selected ID has only one type of print job.

5. **Press [Yes].**

The selected files are printed.

Note

- After printing is completed, Sample Print, Locked Print, and Hold Print files are deleted.

- You cannot select a print job that is not stored under the selected user ID.

- If you select multiple Sample Print files and do not specify the number of sets on the confirmation screen, one set less than the number specified on the computer is printed for every selected document. If the number of sets specified on the computer is "1", one set each is printed for every document.

- If you select Stored Print, the number you set on the confirmation screen is applied to all files of the selected print job type. If you do not set a quantity, the minimum number is applied to all files.

- If you select Locked Print, enter the correct password. If there are multiple passwords, the machine prints only files that correspond to the entered password.

- If you select Stored Print files, and some of these require a password, the machine prints files that correspond to the entered password and files that do not require a password.

- The confirmation screen displays the total number of files that have the selected user ID to be printed.

Form Feed

This section gives instructions for operating the machine when there is no tray for the selected paper size or type, or when paper loaded in the machine has run out.

⭐**Important**

- The tray cannot be changed if the following functions are set:
    - Staple
    - Punch
    - Duplex Print to a tray that does not support duplex printing
    - Cover Sheet
    - Slip Sheet
    - Chaptering
    - Chapter Slip Sheets

⬇**Note**

- If form feed is selected for a tray with the following settings, you can change the tray by canceling the settings:
    - Staple
    - Punch
    - Duplex
- If Auto Continue is selected, form feed paper is printed after a set interval. See "System".

📄**Reference**

- p.159 "System"

Printing from a Selected Tray

If the machine does not have a tray for the selected paper size or paper type, or if the selected paper loaded in the machine has run out, a caution message appears. If this message appears, do the following procedure.

1. **Press the [Printer] key.**
2. **Select the tray for form feed from those that appear on the control panel.**

   If you want to print after adding paper to the tray, select the tray after loading the correct paper.

3. **Press [Continue].**

   The machine prints using the selected tray.

Note

- If a tray with a smaller paper size is selected, the print job may be cut short, or other problems may occur.

Canceling a Print Job

Follow the procedure below to cancel a print job if the message prompting form feed appears.

1. **Press the [Printer] key.**

   The Printer screen appears.

2. **Press [Job Reset] or the [Clear/Stop] key.**

   Delete the stored print jobs, and then cancel form feed.

3. **Press [Reset the Job] to cancel the current print job.**

   A confirmation message appears.

4. **Press [Yes] to cancel the print job.**

   Press [No] to return to the previous display.

Note

- To resume printing print jobs, press [Resume Printing].

- If the machine is shared by multiple computers, be careful not to accidentally cancel someone else's print jobs.

- You cannot stop printing data that has already been processed. For this reason, printing may continue for a few pages after you press [Job Reset] or the [Clear/Stop] key.

- A print job containing a large volume of data may take considerable time to stop.

- For details, see "Canceling a Print Job".
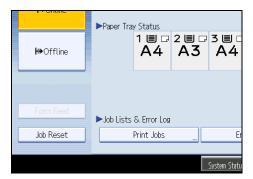
Reference

-

Canceling a Print Job

This section gives instruction to stop printing from the computer or the control panel.
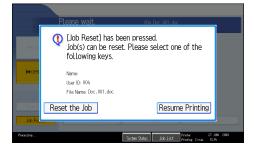
Canceling a Print Job Using the Control Panel

1. **Press the [Printer] key.**

   The Printer screen appears.

2. **Press [Job Reset].**

3. **Press [Reset the Job].**

   - [Reset the Job]: cancels the print job currently being processed.
   - [Resume Printing]: resumes printing print jobs.

   A confirmation message appears.

4. **Press [Yes] to cancel the print job.**

5. **Press [No] to return to the previous display.**

Windows - Canceling a Print Job from the computer

You can cancel a print job from the computer if transferring print jobs is not completed.

1. **Double-click the printer icon on the Windows task tray.**

   A window appears, showing all print jobs currently queued for printing. Check the current status of the job you want to cancel.

2. **Select the name of the job you want to cancel.**

3. **On the [Document] menu, click [Cancel].**

4. **Press the [Printer] key on the machine's control panel.**

↓Note

- If the machine is shared by multiple computers, be careful not to accidentally cancel someone else's print jobs.

- Under Windows XP/Vista, or Windows Server 2003/2003 R2/2008, click [Cancel] on the [Document] menu.

- Under Windows 2000, you can also open the print job queue window by double-clicking the machine icon in the [Printers] machine window.

- You cannot stop printing data that has already been processed. For this reason, printing may continue for a few pages after you press [Job Reset].

- A print job containing a large volume of data may take considerable time to stop.
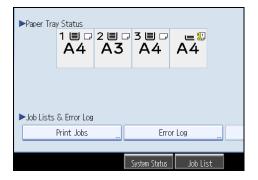
Checking the Error Log

If files could not be stored due to printing errors, identify the cause of the errors by checking the error log on the control panel.

⭐ **Important**

- **The most recent 30 errors are stored in the error log. If a new error is added when there are 30 errors already stored, the oldest error is deleted. However, if the oldest error belongs to one of the following print jobs, it is not deleted. The error is stored separately until the number of those errors reaches 30. You can check any of these print jobs for error log information.**
  - **Sample Print**
  - **Locked Print**
  - **Hold Print**
  - **Stored Print**
- **If the main power switch is turned off, the error log is deleted.**

1. **Press the [Printer] key.**

   The Printer screen appears.

2. **Press [Error Log].**

   An error log list appears.

   Depending on the security settings, certain errors may not be displayed.

3. **Press the desired job list.**

   You can select job list from [Complete List], [Locked Print Job List], [Sample Print Job List], [Hold Print Job List], or [Stored Print Job List].

4. **Select the print file you want to check, and then press [Details].**

   A detailed error log appears.

   Press [▲Previous] or [▼Next] to scroll the error files.

🖖Note

- Press [Exit] after checking the log.

- Press [Back to List] to return to the error log list.

- To print files that appear in the error log, resend them after stored files have been printed or deleted.

- [Error Log] is not available in simplified display mode. To view the error log, you must first switch to normal display mode by pressing [Simplified Display] to turn into the normal display mode.

Spool Printing

Spool Printing allows print jobs transferred from a computer to be temporarily stored, and then prints them after they are transferred. This shortens printing time as it maximizes printer efficiency.

⭐ **Important**

- During Spool Printing, the hard disk is accessed and the Data In indicator blinks. Turning off the computer or machine during Spool Printing can damage the hard disk. Also, if the computer or machine is turned off during Spool Printing, spooled jobs will be deleted. Therefore, do not turn the power of the computer or machine off during Spool Printing.

- If data is sent to the machine using other protocols besides "diprint", "lpr", "ipp", "ftp", "sftp", "smb", and "wsd (printer)", Spool Printing cannot be performed.

Setting Spool Printing

Spool Printing can be set using telnet or Web Image Monitor.

- Using Web Image Monitor

    For details, see Network and System Settings Guide or Help for more information.

- Using telnet

    Type in "spoolsw spool on" to set Spool Printing.

    For details, see Network and System Settings Guide for more information about telnet.

Viewing a list of spool jobs on the control panel

If Spool Printing is set, a list of spooled jobs can be viewed on the control panel screen.

Press the [Printer] key, and then press [Spooling Job List]. A list of spooled jobs appears.

- Deleting jobs

    Select files to be deleted, and then press [Delete].

Viewing/Deleting spool jobs in Web Image Monitor

Start Web Image Monitor and enter the machine's IP address in the address bar. This displays the top page.

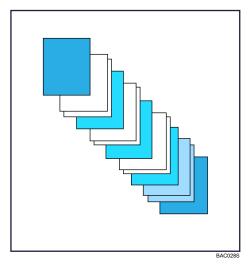For details, see Network and System Settings Guide.

⬇ **Note**

- Up to a maximum of 150 jobs at once can be spool printed.
- If Spool Printing is not set, you cannot select [Spooling Job List].
- Printing the first page with Spool Printing will be slow.
- The computer requires less print processing time when large amounts of data are spooled.
- Stored spool jobs can be viewed or deleted using Web Image Monitor.

User Defined Pages

Using this function, you can specify the page numbers for each input tray.

⭐ **Important**

- **This function is available with the PCL 5c printer driver only.**
- **If [Document Server] is selected under [Job Type:], User Defined Page cannot be used.**
- **If [User Defined Pages] is selected under [Paper Selection:] on the [Paper] tab, [Layout:] cannot be selected.**

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⬇ **Note**

- For details, see the printer driver Help.

Printing with the Finisher

You can collate, staple, or punch holes in printed paper by installing the optional finisher. Make sure you read the following precautions when using the optional finisher.

⭐ **Important**

- Make option settings for the machine using the printer driver when bidirectional communication is disabled.
- Be sure to set the paper size and paper orientation in the printer driver when using duplex printing, booklet printing, combined printing (layout), staple, and punch functions.

⬇ **Note**

- Depending on the application, print settings may not be enabled and printed output may not be as expected.
- When setting Staple or Collate in the printer driver, make sure that the Collate check box is cleared in the application's [Print] dialog box. If Collate is enabled in the application, printing will not be as intended.
- When printing restarts after removing jammed paper, the printing position may be different, depending on the location of the jam.
    - If the paper jam occurred in the optional finisher, printing will restart from the top page of the data currently being printed, or from the page where the paper jam occurred.
    - If the paper jam occurred in the machine, printing will restart from the page where the paper jam occurred.
    - Even if the paper jam occurred in the machine, the error will not be cleared unless the cover of the finisher is opened and closed.
- For details about duplex printing, booklet printing, or combined printing (layout), see the printer driver Help.
- For details about optional finishers, see About This Machine.
- To remove paper misfeeds, see Troubleshooting.

Staple

With the optional Internal Finisher installed, sets can be stapled individually when printing multiple sets.

Staple position

The specified staple position varies depending on paper size, type, quantity and feed orientation. The following table shows staple positions:

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Note

- Stapling might not be in the specified position if combine (layout) and duplex printing are both selected. After setting the staple position, use the printer driver's preview icon to check the position before printing.

- For paper sizes and maximum numbers of sheets available for stapling, see "Specifications", About This Machine.

- For printing methods, see the printer driver Help.

Stapling precautions

Important

- Stapling can be done only with the optional finisher installed.

Staple printing will be canceled under the following conditions:

- If the number of pages to staple exceeds maximum.

- If a paper size that cannot be stapled is selected.

- If a paper type that cannot be stapled is selected.

- If positions other than those fixed for stapling are specified.

- If there are inconsistencies between the orientation in duplex mode and the staple position.

- If there are inconsistencies between the orientation in letterhead mode and the staple position.

- If the paper contains sheets of differing lengths but same widths (like A4 ▽ and A3 ▽,11"× 17"▽ and $8^1/_2$"×11"▽), and the paper sizes are mixed on a single job.

- When feeding paper from the bypass tray.

- When staples have run out and Auto Continue is set (Printing will continue without stapling after the message has been displayed).
- When only 1 page is printed.
- When staples have run out.

Note

- When the stapling is canceled, "Staple has been cancelled." appears.
- If Staple or Shift Collate is selected with the optional Internal Finisher installed, the paper will be output to the finisher shift tray irrespective of the setting.
- When printing on letterhead, stapling may not be at the specified position.
- If you cannot make staple settings even with Internal Finisher installed, options may not be set correctly in the printer driver. Correct option settings in the printer driver. For details, see the printer driver Help.
- When the finisher is being used for another function's job (for example, a copy job), printing will start after that job ends.
- Be sure to set paper size and orientation in the printer driver when stapling.
- When duplex printing is selected, adjust staple positions to the binding orientation.
- Depending on the application you are using, print settings may not be stored and the printed result may not be as expected.
- When setting Staple in the printer driver settings, make sure that a collate option is not selected in the print settings of the application. If a collate option is selected in the application, printing will not be as intended.
- When using the optional Internal Finisher following paper sizes can be stapled using the Mixed Size mode.
  - A3⬄ and A4⬆
  - B4⬄ and B5⬆
  - 11"×17"⬄ and $8^1/_2$"×11"⬆

Punch

With the optional Internal Finisher and Punch Unit are installed, holes can be punched into printed outputs.

Punch position

The specified punch position varies depending on paper feed and print data orientation. The following table shows punch positions:

220-240V

Paper Orientation on the Machine	Print Data Direction	Punch Position	
		2 holes	4 holes
	Portrait	R R	R R
	Landscape	R	R
	Portrait	R	R
	Landscape	R R	R R

BMG017S

120V

Paper Orientation on the Machine	Print Data Direction	Punch Position	
		2 holes	3 holes
	Portrait	R R	R R
	Landscape	R	R
	Portrait	R	R
	Landscape	R R	R R

BKS006S

🔽**Note**

- Punch positions will vary slightly from page to page as holes are punched into each sheet individually.

- The number of holes that can be punched varies according to country.

- For details about paper sizes that can be punched, see "Paper Requirements when Using the Finisher", Copy and Document Server Reference.

- For details about printing methods, see the printer driver Help.

- 4 holes punch is possible on A3 size paper loaded in Long-edge-feed direction only.

Punching precautions

Follow these precautions when using the punch function.

⭐ Important

- **To use this function, the optional Internal Finisher must be installed on the machine.**

Punch printing will be canceled under the following conditions:

- When a paper type that cannot be punched is selected.
- When a paper size that cannot be punched is selected.
- If positions other than those fixed for punching are specified.
- If there are inconsistencies between the orientation in duplex mode and the punch position.
- If there are inconsistencies between the orientation in letterhead mode and the punch position.
- When feeding paper from the bypass tray.
- When the punch receptacle has become full and Auto Continue is set (Printing will continue without punching after the message appears).
- If there are inconsistencies between the staple position and the punch position, when using with staple function.

⬇ Note

- When punching is canceled, "Punch has been cancelled." appears.
- Punching might not be in the specified position when printing on letterhead paper.
- If you cannot make punch settings even with the optional finisher installed, options may not be set correctly in the printer driver. Correct option settings in the printer driver. For details, see the printer driver Help.
- When duplex print is selected, adjust the punch position to the binding direction.
- Be sure to set the punch position as same as the staple position when using it with the staple function.
- Be sure to set paper size and orientation in the printer driver when punching.
- Depending on the application, print settings may not be enabled and printed output may not be as expected.
- When setting Punch in the printer driver settings, make sure that a collate option is not selected in the print settings of the application.
- If a collate option is selected in the application, printing will not be as intended.

Collate

When printing multiple documents such as handouts for meetings, you can separate sets into order. This function is known as "Collate". Collate stores data transmitted from a computer to the machine memory or hard disk drive. The followings are the three types of Collate:
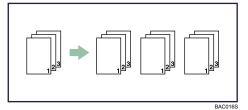
⭐ Important

- **If Auto Continue occurs on the first set, Collate will be canceled.**

- If forced printing occurs on the first set, Collate will be canceled.
- The Rotating Collate function requires two paper trays containing same size paper but in different orientations.
- If the output tray has shift function, Shift Collate will be applied even if Rotating Collate is selected.
- When setting Collate in the printer driver settings, make sure that a collate option is not selected in the application's print settings. If a collate option is selected, printing will not be as intended.

Collate Types
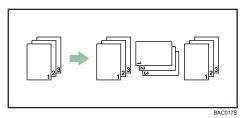
- Collate

  Printed output is assembled as sets in sequential order.

BAC016S
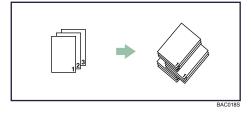
- Rotating Collate

  Every other print set is rotated by 90 degrees.

BAC017S

- Shift Collate

  The optional finisher is required for this function.

BAC018S

  The finisher shift tray moves backward or forward when a job or set is output, causing the next to shift, so you can separate them.

When Rotate Collate is cancelled

If the following functions are selected, Collate or Shift Collate will be applied even if Rotating Collate is selected:

- When combined with staple function.

- When combined with punch function.

- If jobs containing pages of various sizes are set.

- When output tray is specified.

- When combined with covers function.

- When combined with slip sheet function.

- When combined with chaptering function.

- If custom size paper is set.

Separation Sheet

Insert a separation sheet between each set.

- Separation sheets are fed from the tray specified in the machine's default settings. For details about the separation sheet tray, see "System Settings", Network and System Settings Guide.

Note

- When Rotating Collate has been selected, printing speed will be slower than with other collate functions.

- Set Collate and Rotating collate when using the RPCS printer driver.

- Separation sheets cannot be inserted if "Slip Sheet" is specified.

- Follow the procedure below when using a printer driver other than the RPCS:

  - Set Collate and Rotating Collate in the printer driver.

  - If you cannot make Shift Collate even with the optional finisher installed, options may not be set up correctly in the printer driver. Correct the printer driver's option settings.

  - For details, see the printer driver Help.

Covers

Using this function, you can insert cover and back sheets fed from a different tray to that of the body paper, and print on them.

⭐**Important**
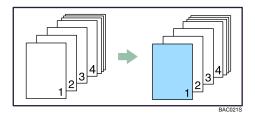
- To use this function, Collate must be set. Rotating Collate cannot be set.

- The cover sheets should be the same size and orientation as the body paper.

Cover sheet

Prints the first page of the document on the sheet for the cover page.
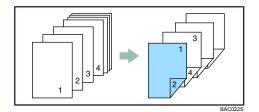
- Print on one side

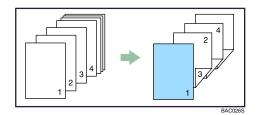 Prints on one side of the cover sheet only, even when duplex printing is selected.

  BAC021S

- Print on both sides

  Prints on both sides of the cover sheet when duplex printing is selected.

  - Cover sheet printed on both sides

    BAC022S
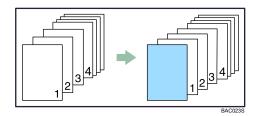
  - Cover sheet printed on one side

    BAC026S
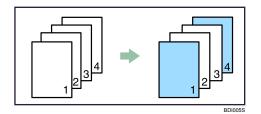
- Blank

  - When printing one side

BAC023S

- When printing both sides

BDI005S
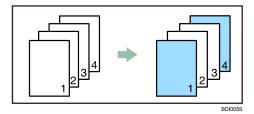
Front and Back Cover

Prints the first and last pages of the document as the cover pages.

- Print on one side
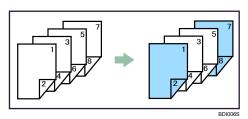
  Prints on one side of the cover sheet only, even when duplex printing is selected.
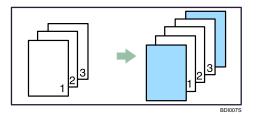

BDI005S

- Print on both sides

  Prints on both sides of the cover sheets when duplex printing is selected.

  - Back cover page face inside, and the number of pages is add
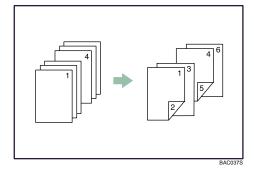

BDI006S

- Blank

  - When printing on one side.

BDI007S

⬇ Note

- If "Auto Tray Select" is set as the paper feed tray for the body paper, the paper will be delivered from a tray containing paper in the ▽ orientation. Therefore, if the cover paper is set to the ▽ orientation, the orientation of the output cover and body will be different.

- For printing methods, see the printer driver Help.

Chaptering

The specified page is printed on the same side as the first page, like a book. Also, you can insert chapter slip sheets before specified pages, and select whether or not to print on the slip sheets.

No Slip Sheets

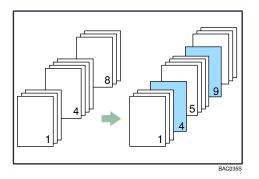The specified page is always printed on the same side as the first page.

BAC037S

Note

- This function is only valid with duplex printing.
- You can designate up to 20 locations using the printer driver.
- This function can be used together with combine (layout) printing.
- For details about printing methods, see the printer driver Help.
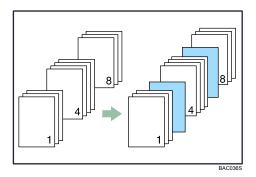
Inserting Chapter Slip Sheets

Insert chapter slip sheets before the specified page.

- Print

  Prints on the chapter slip sheets. When duplex printing is selected, both sides of the slip sheets are printed on.

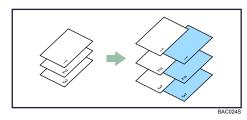BAC035S

3

- Blank

BAC036S

⏬**Note**

- You can designate up to 20 locations using the printer driver.
- The slip sheet should be the same size and orientation as the body paper.
- If "Auto Tray Select" has been set as the paper feed tray for the body paper, the paper will be delivered from a tray containing paper in the ⬓ orientation. Therefore, when the slip sheet has been set to the ⬒ orientation, the orientation of the output slip sheet and body will be different.
- The same paper feed tray cannot be set for the body of the document and the slip sheet.
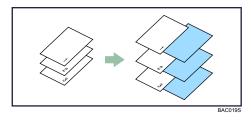- For details about printing methods, see the printer driver Help.
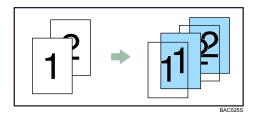
Slip Sheet

Inserting a slip sheet between each page
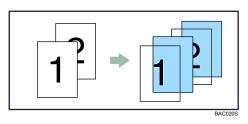
- Print

BAC024S

- Blank

BAC019S

Inserting a slip sheet between OHP transparencies

- Print

BAC025S

- Blank

BAC020S

⬇ **Note**

- Collate cannot be set when using slip sheets.
- When the duplex printing or cover printing is set, you cannot insert slip sheets.
- The slip sheet should be the same size and orientation as the body paper.

- If "Auto Tray Select" has been set as the paper feed tray for the body paper, the paper will be delivered from a tray containing paper in ⬚ orientation. Therefore, when the slip sheet has been set to ⬚ orientation, the orientation of the output slip sheet and body paper will be different.

- The same paper feed tray cannot be set for the body of the document and slip sheets.

3

Printing on Orientation-Fixed or Two-Sided Paper

This section explains how to print on paper whose orientation and printing side are unchangeable (letterhead paper, for example).

Use the settings and paper orientations shown below to ensure the machine prints onto orientation-fixed paper (such as letterhead or continuous stationery) correctly. Specify [Auto Detect] or [On (Always)] for [Letterhead Setting] in the printer settings, and then place the original and paper as shown below. For details about the letterhead print settings, see "System".

Paper Orientation	Paper Trays 1-4		Multi Bypass tray	
	Letterhead Setting [On(Always)]	Letterhead Setting [Off]	Letterhead Setting [On(Always)]	Letterhead Setting [Off]
1-sided print	ABC	ABC	ABC	ABC
2-sided print	ABC	ABC	–	–
1-sided print	ABC	ABC	ABC	ABC
2-sided print	ABC	ABC	–	–

⬇ **Note**

- You cannot perform 2-sided (duplex) printing on paper fed from the multi bypass tray.
- To print on letterhead paper when [Letterhead Setting] is set to [Auto], you must specify [Letterhead] as the paper type in the RPCS printer driver's settings.

- If you change from 1-sided to 2-sided (duplex) printing during a copy job, all pages printed after the change will be 2-sided. If you want to print the remaining sets as 1-sided, specify a paper tray that is not available for duplex printing.

- For details about how to make 2-sided prints, see the printer driver Help.

Reference

- p.159 "System"

Using the Virtual Printer

This section explains the virtual printer function.

The virtual printer is a pseudo printer that can only be recognized on a network. The virtual printer has various print options, such as feeding tray selection and duplex printing, which you can set in advance. You can set those options beforehand. If you use the virtual printer under UNIX, Solaris, and other operating systems, various print functions are possible without your having to manually enter the usual print commands.

Adding a Virtual Printer

Use this procedure to add a virtual printer.

⭐ **Important**

- Adding a virtual printer requires Administrators privilege. Log on using an account that has Administrators privilege.
- The following Virtual Printer protocols are available: "TCP/IP (Unspecified, Normal)", "TCP/IP (DIPRINT)", "TCP/IP (RHPP)", "AppleTalk", and "NetWare".

1. **Log on to Web Image Monitor as an administrator.**

   For details about login user names and passwords, see "Using Web Image Monitor", Network and System Settings Guide.

2. **In the menu area, click [Configuration], and then click [Virtual Printer Settings] in the "Printer" category.**

   A list of the available virtual printers appears.

3. **Click [Add].**

   The screen for adding virtual printers appears.

4. **In [Virtual Printer Name], enter a name for the new printer, and then select the protocol in the [Protocol] list.**

5. **Click [OK].**

   The virtual printer is added.

🔽 **Note**

- If you select [AppleTalk] or [NetWare] in the [Protocol] list, you cannot specify a virtual printer name.
- You can specify a virtual printer name using up to 47 characters.
- You can add up to 50 virtual printers. After 51 virtual printers have been added, [Add] will no longer be displayed.

Changing a Virtual Printer Configuration

Use this procedure to change a virtual printer configuration.

⭐ **Important**

- You must have Administrators privilege to change the configuration of a virtual printer. Log on using an account that has Administrators privilege.

1. **Log on to Web Image Monitor as an administrator.**

   For details about login user names and passwords, see "Using Web Image Monitor", Network and System Settings Guide.

2. **In the menu area, click [Configuration], and then click [Virtual Printer Settings] in the "Printer" category.**

   A list of the available virtual printers appears.

3. **Select the virtual printer whose configuration you want to change, and then click [Change].**

4. **Change the configuration as required.**

5. **Click [OK].**

⬇ **Note**

- For details about virtual printer configuration, see Web Image Monitor Help.

Confirming a Virtual Printer Configuration

Use this procedure to confirm a virtual printer configuration.

1. **Start Web Image Monitor.**

   For details about login user names and passwords, see "Using Web Image Monitor", Network and System Settings Guide.

2. **In the menu area, click [Configuration], and then click [Virtual Printer Settings] in the "Printer" category.**

   A list of available virtual printers appears.

3. **Select the virtual printer whose configuration details you want to confirm, and then click [Details].**

   A configuration list for the selected virtual printer appears.

⬇ **Note**

- [Details] is not displayed if you log on to Web Image Monitor as an administrator. To confirm a virtual printer configuration, click [Change].

- If the virtual printers function is disabled, the list of available virtual printers is not displayed. For details about enabling the virtual printers function, see Web Image Monitor Help.

Deleting a Virtual Printer

Use this procedure to delete a virtual printer.

⭐ **Important**

- **You must have Administrators privilege to delete a virtual printer. Log on using an account that has Administrators privilege.**

1. **Log on to Web Image Monitor as an administrator.**

   For details about login user names and passwords, see "Using Web Image Monitor", Network and System Settings Guide.

2. **In the menu area, click [Configuration], and then click [Virtual Printer Settings] in the "Printer" category.**

   The list of available virtual printers appears.

3. **Select the virtual printer that you want to delete, and then click [Delete].**

   The delete confirmation screen appears.

4. **Click [OK].**

🔽 **Note**

- You cannot delete this printer's default virtual printer.
- [Delete] appears only if you have already added a virtual printer.

Printing Using a Virtual Printer

To print directly from a specified virtual printer, assign the virtual printer in the print command. Before printing for the first time, specify the virtual printer you want to use.

1. **Log on to Web Image Monitor in administrator mode.**

   For details about login user name and password, see "Using Web Image Monitor", Network and System Settings Guide.

2. **In the menu area, click [Configuration], and then click [Printer Basic Settings] in the "Printer" category.**

3. **Select [Active] in [Virtual Printer], and then click [OK].**

4. **Send a command from your computer.**

lpr

```
C:\>lpr -S "printer's IP address" [-P "Virtual Printer Name"] [-ol] \path name
\file name
```

3

rcp

> c:> rcp [-b] \path name\file name [\path name\file name...] printer's host name: ["Virtual Printer Name"]

ftp

> ftp> put \path name\ file name [Virtual Printer Name]

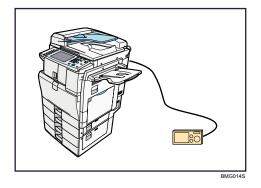# 4. Direct Printing from a Digital Camera (PictBridge)

This chapter explains how to print directly from a digital camera.

What is PictBridge?

You can connect a PictBridge-compatible digital camera to this machine using a USB cable. This allows you to print photographs taken using the digital camera directly by operating the digital camera.

⭐ **Important**

- **To use this function, the optional Camera Direct Print Card must be installed on the machine.**

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🔸 **Note**

- Check your digital camera is PictBridge-compatible.
- Up to 999 images can be sent from the digital camera to the machine during one print transaction. If an attempt is made to send more images, an error message is sent to the camera and printing fails.
- Since printing conditions are specified on the digital camera, specifiable parameters depend on the particular digital camera. For details, see your digital camera's manual.
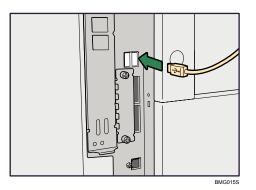- This function is compatible with USB 2.0.

PictBridge Printing

Follow the procedure below to start PictBridge printing on this machine.

⭐ **Important**

- Do not disconnect the USB cable while data is being sent. If you do, printing will fail.
- Use the USB cable bundled to your digital camera.

1. **Check the machine and the digital camera are both switched on.**

2. **Connect a USB cable between the USB host interface or the optional media slot on the machine and the digital camera.**

   The Data In indicator on the machine blinks for several seconds and "PctBrdg" is displayed on the machine's control panel. This indicates the machine recognizes the digital camera as a PictBridge device.

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3. **On your digital camera, select the images you want to print, and specify the printing conditions.**

   The machine receives settings from the digital camera and starts printing.

⬇ **Note**

- Since printing conditions are specified on the digital camera, specifiable meters depend on the particular digital camera. For details, see your digital camera's manual.
- Some digital cameras require settings for manual PictBridge operation. For details, see your digital camera's manual.

What Can be Done on This Machine

This machine can perform the following functions using its PictBridge feature.

The settings available for these functions are as follows:

- Single image printing
- Selected image printing
- All image printing
- Index printing
- Trimming
- Date and file name printing
- Paper size
- Image print size
- Multi-Image-Layout
- Duplex printing
- Printing quality
- Color matching
- Paper type specification
- Form printing
- Toner saving
- Camera memo printing

♦ Note

- This machine does not support the following settings:
    - DPOF printing
    - Margin-less printing
- The setting parameters and their names may vary depending on the digital camera. For details, see your digital camera's manual.

Index Printing

A3 (297 $\times$ 420 mm)

Horizontal images $\times$ vertical images (in)	Paper orientation
12 $\times$ 16	▯

Horizontal images × vertical images (in)	Paper orientation
16 × 12	

A4 (210 × 297 mm)

Horizontal images × vertical images (in)	Paper orientation
8 × 12	
12 × 8	

A5 (148 × 210 mm)

Horizontal images × vertical images (in)	Paper orientation
5 × 8	
8 × 5	

Letter (8$^1/_2$ " × 11 ")

Horizontal images × vertical images (in)	Paper orientation
8 × 10	
10 × 8	

B4 (257 × 367 mm)
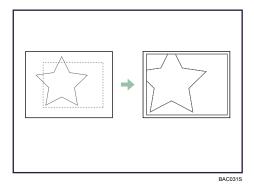
Horizontal images × vertical images (in)	Paper orientation
10 × 14	
14 × 10	

🔸Note

- Index printouts vary depending on the orientation of the paper placed on the specified size tray.
- Depending on the digital camera, a form feed may be inserted after one set of images belonging to one type ends.
- The number of images in each size of paper is fixed.

Trimming
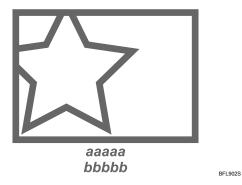
Use this function to print only inside of the trimming area specified on the digital camera.

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*1 `--` Trimming area

Date and File Name Printing

Use this function to print the date and/or file name under the image.

aaaaa
bbbbb

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In the above figure, "aaaaa" indicates the file name and "bbbbb" indicates the date.

Paper Size

Use this function to print on paper with the size specified on the digital camera.

Paper size name	Actual size
2L (5 " × 7 ")	178 mm × 127 mm
Postcard	148 mm × 100 mm
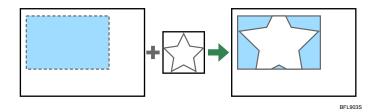
Paper size name	Actual size
100 mm $\times$ 150 mm	150 mm $\times$ 100 mm
4 " $\times$ 6 "	152.4 mm $\times$ 101.6 mm
8 " $\times$ 10 "	254 mm $\times$ 203.2 mm
Letter (8$^1/_2$ " $\times$ 11 ")	279.4 mm $\times$ 216 mm
11 " $\times$ 17 "	431.8 mm $\times$ 279.4 mm
A3	420 mm $\times$ 297 mm
A4	297 mm $\times$ 210 mm
A5	210 mm $\times$ 148 mm
A6	148 mm $\times$ 105 mm
B4	364 mm $\times$ 257 mm
B5	257 mm $\times$ 182 mm
B6	182 mm $\times$ 128 mm

Note

- Specify Undefined Size for the 2L (5 " $\times$ 7 "), 100 mm $\times$ 150 mm, 4 " $\times$ 6 ", 8 " $\times$ 10 ", A6, B5, and B6 sizes.

Image Print Size

Use this function to print images with the size specified on the digital camera.

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--indicates the image size specified on the camera.

You can specify the following image print sizes:

Fixed size

- 3.25 " $\times$ 2.5 "
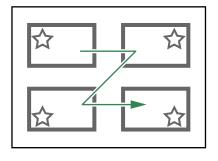
- 5 " $\times$ 3.5 "

- 6 " $\times$ 4 "

- 7 " $\times$ 5 "

- 10 " $\times$ 8 "

- 254 mm $\times$ 178 mm

- 110 mm $\times$ 74 mm

- 89 mm $\times$ 55 mm

- 148 mm $\times$ 100 mm

- 8 cm $\times$ 6 cm

- 10 cm $\times$ 7 cm

- 13 cm $\times$ 9 cm

- 15 cm $\times$ 10 cm

- 18 cm $\times$ 13 cm

- 21 cm $\times$ 15 cm

- 24 cm $\times$ 18 cm

🔽 **Note**

- An error occurs if the specified size is larger than the actual paper size.

Multi-Image-Layout

Use this function to print multiple images on the specified paper.

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The number of images that can be printed on one page are as follows:

Paper size	Number of images that can be specified
2L (5 " $\times$ 7 ")	2, 4, 8, 9
Postcard	2, 4

Paper size	Number of images that can be specified
100 mm × 150 mm	2, 4
4 " × 6 "	2, 4, 8, 9
8 " × 10 "	2, 4, 8, 9, 16, 25, 32
Letter ($8^1/_2$ " × 11 ")	2, 4, 8, 9, 16, 25, 32
11 " × 17 "	2, 4, 8, 9, 16, 25, 32, 49, 64
A3	2, 4, 8, 9, 16, 25, 32, 49, 64
A4	2, 4, 8, 9, 16, 25, 32
A5	2, 4, 8, 9, 16
A6	2, 4, 8
B4	2, 4, 8, 9, 16, 25, 32, 36, 49
B5	2, 4, 8, 9, 16, 25
B6	2, 4, 8, 9

The number and arrangement of images that can be specified are as follows:

Number of images	Vertical images × horizontal images	Paper orientation
2	2 × 1	▯
4	2 × 2	▭
8	4 × 2	▯
9	3 × 3	▭
16	4 × 4	▭
25	5 × 5	▭
32	8 × 4	▯
36	6 × 6	▭
49	7 × 7	▭

Number of images	Vertical images × horizontal images	Paper orientation
64	8 × 8	🗋

📥Note

- A form feed may be inserted between images depending on the digital camera in use.

- Printing in the specified way may not be possible depending on the specification for the number of images to be printed.

Duplex Printing

Use this function to enable duplex (double-sided) printing.

Duplex printing is disabled by default. When duplex printing is enabled, the printed pages open to the left. You cannot change the opening direction to the right.

📥Note

- Duplex printing might not be possible, depending on the paper type or the tray that the paper is being fed from.

Printing Quality

Use this function to print images at the selected printing quality.

If you select [Default] or [Normal], the machine prints at 600 dpi × 600 dpi (1 bit); if you select [Fine], the machine prints at 1200 dpi × 1200 dpi (1 bit).

Color Matching

Use this function to optimize colors when printing images.

If you select [Default] or [OFF], the machine prioritizes gradation for color matching, if you select [ON], the machine prioritizes saturation.

Paper Type Specification

This function sends the machine's paper type information to the digital camera. The names of paper types displayed on the digital camera's screen are different to the names displayed on the machine. Use the table below to match the paper types.
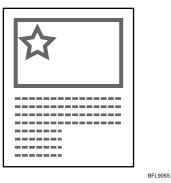
To display a paper type name on the digital camera's screen, use the machine's control panel to set the paper type of the machine correctly.

Paper type detected by the digital camera	Paper type of the machine
Default	All Paper types
Plain Paper	Plain or recycled paper
Photo Paper	HG plain paper or inkjet postcard
Fast Photo Paper	Glazed paper

Form Printing

Use this function to print images in a predetermined layout format.

BFL905S

Toner Saving

By specifying the print density on the digital camera, you can save on toner when printing.

Specification on the digital camera	Print density
Default/OFF	100%
Slightly light	75%
Light	50%

Camera Memo Printing

Use this function to print text data together with an image if it is attached to the image.

Exiting PictBridge

Follow the procedure below to quit the PictBridge mode.

★Important

* Do not disconnect the USB cable while data is being sent to the machine. If you do, printing will fail.

1. Check the control panel of this machine is displaying the "Ready" state.
2. Disconnect the USB cable from the machine.

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When PictBridge Printing Does Not Work

This section explains likely causes and possible solutions for problems that can occur when PictBridge printing.

Problem	Cause	Solution
PictBridge is not available.	There is a problem with the USB connection or the PictBridge settings.	Use the following procedure to check the connection and settings: 1. Disconnect and then reconnect the USB cable. 2. Check the PictBridge settings are enabled. 3. Disconnect the USB cable, and then turn off the printer. Turn the printer back on. When the printer has fully booted up, reconnect the USB cable.
When two or more digital cameras are connected, the second and subsequent cameras are not recognized.	You have connected multiple digital cameras.	Connect one digital camera only. Do not connect multiple cameras.
Printing is disabled.	The number of originals exceeds the maximum number of pages that can be printed at a time.	The maximum specifiable print quantity at a time is 999. Respecify the quantity to 999 or less, and then retry printing.
Printing is disabled.	There is no paper of the specified size remaining.	There is no paper of the specified size remaining. If you have to use paper that is not of the specified size, perform Form Feed. To cancel printing, perform Job Cancel.
Printing is disabled.	The paper size setting for this tray cannot be printed on the printer.	Select the paper size setting that can be printed on the printer.

Other Reference Information

For further details about paper size, paper type and tray settings, see About This Machine.

🔻**Note**

- For details about paper size, paper type, or tray settings, see About This Machine.

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4

5. Saving and Printing Using the Document Server

This chapter explains how to use the Document Server function.

Accessing the Document Server

The Document Server enables you to store documents on the machine's hard disk, and allows you to edit and print them as necessary.

⭐ **Important**

- **Applications with their own drivers, such as PageMaker, do not support this function.**

🔽 **Note**

- When you use the Document Server, the following functions can be selected using the machine's control panel:

  - Copies

  - Collate

  - Duplex

  - Staple

  - Paper selection: Paper source tray, paper type, paper output tray.

  - Functions related to paper selection: Cover Sheet, Slip Sheet.

- The above items are dimmed, so you cannot set them from the printer properties dialog box when the Document Server is selected.

- You must enter a user ID, using up to eight alphanumeric characters.

- You should enter a Password and File Name to distinguish the job from others.

- Up to 2,000 files can be stored in the Document Server. New files cannot be stored when 2,000 files have already stored. Even if less than 2,000 files are stored, new files cannot be stored when

  - a file to be stored contains more than 1,000 pages,

  - The machine's sent or stored files total over 6,000 black-and-white pages. (The total varies depending on the size of the files.)

  - The machine's sent or stored files total over 3,000 color pages. (The total varies depending on the size of the files.)

  - The hard disk is full.

- The Document Server also stores files scanned using the Automatic Document Feeder (ADF) or exposure glass. You should delete unnecessary stored files once in a while so as not to exceed the

capacity of the hard disk. For details about deleting stored files, see Copy and Document Server Reference.

- When using the hard disk for functions other than those of Document Server, you may not be able to store new files in the Document Server, even if there are less than 2,000 files stored.

- For details about Document Server functions, see "Document Server", Copy and Document Server Reference.

- For details about how to access Document Server from a client, see the printer driver Help.

6. Printer Features

This chapter describes user tools in the Printer Features menu. For details on how to access Printer Features, see "Accessing User Tools".

Accessing User Tools

This section describes how to access User Tools menu.

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.

- Any changes you make with User Tools remain in effect even if the main power switch or operation switch is turned off, or the [Energy Saver] or [Clear Modes] key is pressed.

Changing Default Settings

This section describes how to change the settings of User Tools.

⭐Important
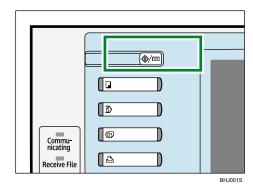
- If Administrator Authentication Management is specified, contact your administrator.

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

BHJ001S
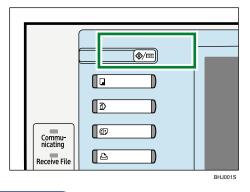
2. **Press [Printer Features].**
3. **Change settings by following instructions on the display, and then press [OK].**

Quitting User Tools

This section describes how to quit the settings of User Tools.

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

BHJ001S

Note

- You can also quit User Tools by pressing [Exit].

Menu Protect

Using Menu Protect, you can prevent unauthenticated users from changing the user tools. Menu Protect can be specified for each of the following user tools menus.

- Copier/Document Server Features

- Facsimile Features

- Printer Features

- Scanner Features

For details, consult your administrator.

List/Test Print

This section describes the user tools in the List / Test Print menu under Printer Features.

Multiple Lists

You can print the configuration page and error log.

Configuration Page

You can print the machine's current configuration values.

Error Log

You can print error logs listing all errors that occurred during printing. The most recent 30 errors are stored in the error log. If a new error is added when there are 30 errors already stored, the oldest error is deleted. However, if the oldest error belongs to one of the following types of print jobs, it is not deleted. Instead, it will be stored separately in error logs for each job type, up to a maximum of 30 for each log. You can check any of these print jobs for error log information.

- Sample Print
- Locked Print
- Hold Print
- Stored Print

The records of Auto Job Cancel and jobs canceled manually from the control panel can be printed.

Menu List

You can print a Menu List showing the machine's function menus.

PCL Configuration/Font Page

You can print the current configuration and installed PCL font list.

PS Configuration/Font Page

You can print the current configuration and installed PostScript font list.

This menu can be selected only when the optional PostScript 3 unit is installed.

PDF Configuration/Font Page

You can print the current configuration and installed PDF font list.

This menu can be selected only when the optional PostScript 3 unit is installed.

Hex Dump

You can print in the Hex Dump mode.

Printing the Configuration Page

This section describes how to print the Configuration Page.

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

2. **Press [Printer Features].**

3. **Press [Configuration Page] on the [List/Test Print].**

The configuration page is printed.

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

Interpreting the configuration page

This section describes the Configuration Page.

System Reference

- Unit Number

  Displays the serial number assigned to the board by its manufacturer.

- Total Memory

  Displays the total amount of memory (SDRAM) installed on the printer.

- Firmware Version

  - Printer

    Displays the version number of the printer firmware.

  - System

    Displays the version number of the system firmware.

  - Engine

    Displays the version number of the printer engine.

  - LCDC

    Displays the version number of the panel display.

  - NIB

    Displays the version number of the Network interface.

- Device Connection

This item(s) appears when the device option(s) is installed.

- HDD: Font/Macro Download

  Displays the capacity of the hard disk drive.

- Printer Language

  Displays the version number of the printer driver language.

- Attached Equipment

  Displays the installed optional equipments.

- Consumption Status

  Displays the status of consumable.

Paper Input

Displays settings made under Tray Paper Settings menu.

Maintenance

Displays settings made under the Maintenance menu.

System

Displays settings made under the System menu.

PCL Menu

Displays settings made under PCL Menu.

PS Menu

Displays settings made under PS Menu.

PDF Menu

Displays settings made under PDF Menu.

Host Interface

Displays settings made under the Host Interface menu.

When DHCP is active on the network, the actual IPv4 address, subnet mask and gateway address appear in parentheses on the configuration page.

Interface Information

Displays the interface information.

🗐 Reference

Maintenance

This section describes the user tools in the Maintenance menu under Printer Features.

Menu Protect

You can select where or not to protect menu. When you enable this setting, specify protection level.

The default setting is Level 2.

List/Test Print Lock

You can lock the [List/Test Print] menu.

The default setting is [Off].

Delete All Temporary Print Jobs

You can delete all print jobs temporarily stored in the machine.

Delete All Stored Print Jobs

You can delete all print jobs stored in the machine.

4 Color Graphic Mode (4 Colour Graphic Mode)

- Text Priority

  Use the optimum CMYK toner combination for text printing.

- Photo Priority

  Use the optimum CMYK toner combination for photo printing.

The default setting is [Photo Priority].

🖹 Reference

- p.153 "Accessing User Tools"

System

This section describes the user tools in the System menu under Printer Features.

Print Error Report

Select this to have an error report printed when a printer or memory error occurs.

The default setting is [Off].

Auto Continue

You can select this to enable Auto Continue. When it is On, printing continues after a system error occurs.

The default setting is [Off].

Memory Overflow

Select this to have a memory overflow error report printed.

The default setting is [Do not print].

Job Separation

You can enable Job Separation.

This menu can be selected only when a finisher (optional) is installed.

The default setting is [Off].

Rotate by 180 Degrees

Specify whether to rotate the print image 180 degrees relative to the paper orientation.

The default setting is [Off].

Auto Delete Temporary Print Jobs

You can select to automatically delete print jobs temporarily stored in the machine.

The default setting is [Off].

If you select [On], you can set up to 200 hours for auto file deleting.

Auto Delete Stored Print Jobs

You can select to automatically delete print jobs stored in the machine.

The default setting is [On], "3" day(s).

If you select [On], you can set up to 180 days for auto file deleting.

Initial Print Job List

You can set the desired type of print job list that appears on the screen when you press [Print Jobs].

The default setting is [Complete List].

- Complete List

    Displays the list of print jobs stored in the machine.

- List Per User ID

  Displays the list of the User ID who stored a file in the machine.

Duplex

You can select to have print on both sides of each page.

The default setting is [Off].

Copies

You can specify the number of print sets. This setting is disabled if the number of pages to print has been specified with the printer driver or another command.

The number of copies can be specified from 1 to 999 by increments of one.

The default setting is "1" copies.

Blank Page Print

You can select whether or not to print blank pages.

The default setting is [On].

Pages that match one of the following conditions are identified as blank.

- There are no images.
- There are images but they are outside the printable area.
- There are only blank characters.

Reserved Job Waiting Time

You can specify how long the machine waits to receive a print job before allowing other functions such as the copier and scanner functions to interrupt it.

The default setting is [Short Wait].

Printer Language

Specify the printer language.

The default setting is [Auto].

Sub Paper Size

You can enable the Auto Substitute Paper Size (A4, LT) feature.

The default setting is [Auto].

Page Size

You can select the default paper size.

- The paper size you can select is as follows:

A3, A4, A5, A6, B4 JIS, B5 JIS, B6 JIS, C5 Env, C6 Env, DL Env, 12×18, 11×17, $8^1/_2$×14, $8^1/_2$ ×13, $8^1/_2$×11, $8^1/_4$×13, 8×13, $7^1/_4$×$10^1/_2$, $5^1/_2$×$8^1/_2$, $4^1/_8$×9 $^1/_2$, $3^7/_8$×$7^1/_2$, 8K, 16K, Custom Size

220-240V

The default setting is A4.

`120V`

The default setting is $8^1/_2 \times 11$.

Letterhead Setting

You can rotate original images when printing.

When printing, original images are always rotated by 180 degrees. Therefore, output might not be as expected when printing onto letterhead or preprinted paper requiring orientation. Using this function, you can specify image rotation.

The default setting is [Off].

- Off

    When set to [Off], original images are rotated by 180 degrees.

- Auto Detect

    When set to [Auto Detect], the machine detects a letterhead or preprinted paper automatically, and does not rotate the image.

- On (Always)

    When set to [On (Always)], the machine does not rotate.

This function reduces printing speed.

Bypass Tray Setting Priority

Specify whether (Printer) Driver/Command or Machine Settings, has priority for determining the paper size for the bypass tray.

The default setting is [Driver/Command].

Edge to Edge Print

You can select whether or not to print on the entire sheet.

The default setting is [Off].

Default Printer Language

You can set the default printer language if the machine cannot find the printer language automatically.

The default setting is [PCL].

Tray Switching

You can specify whether or not the machine automatically switches paper trays if paper of the specified size and type is not loaded in the driver-designated tray.

The default setting is [Off].

Extend Auto Tray Switching

This setting enables the machine to switch paper trays automatically, regardless of whether the tray is manually or automatically selected.

When set to [On], [Auto Tray Switching] is enabled and the [Auto Tray Switching] setting configured in the printer driver is overridden.

The default setting is [Off].

Reference

- p.153 "Accessing User Tools"

Host Interface

This section describes the user tools in the Host Interface menu under Printer Features.

I/O Buffer

You can set the size of the I/O Buffer. Normally it is not necessary to change this setting.

The default setting is [128 KB].

I/O Timeout

You can set how many seconds the machine should wait before ending a print job. If data from another port usually arrives in the middle of a print job, you should increase this timeout period.

The default setting is [15 seconds].

⊟ Reference

• p.153 "Accessing User Tools"

PCL Menu

This section describes the user tools in the PCL Menu under Printer Features.

Orientation

You can set the page orientation.

The default setting is [Portrait].

Form Lines

You can set the number of lines per page.

The number of lines can be specified from 5 to 128 by increments of one.

220-240V

The default setting is "64" lines.

120V

The default setting is "60" lines.

Font Source

You can set the storage location of the default font.

The default setting is [Resident].

RAM, HDD and SD can be selected only when fonts have been downloaded to the machine.

Font Number

You can set the ID of the default font you want to use.

- When [Resident] is selected under "Font Source":

  The font number can be specified from 0 to 63 by increments of one.

  The default setting is "0".

- When [RAM], [HDD], or [SD] is selected under "Font Source":

  The font number can be specified from 1 up to number of fonts stored on the machine.

  The default setting is "1".

Point Size

You can set the point size you want to use for the selected font.

The number of point sizes can be specified from 4.00 to 999.75 by increments of 0.25.

This setting is effective only with variable-space fonts.

The default setting is "12.00" points.

Font Pitch

You can set the number of characters per inch for the selected font.

The number of characters per inch can be specified from 0.44 to 99.99 by increments of 0.01.

This setting is effective only with fixed-space fonts.

The default setting is "10.00" pitches.

Symbol Set

Specify the character set of the selected font. The available options are as follows:

- Roman-8, ISO L1, ISO L2, ISO L5, PC-8, PC-8 D/N, PC-850, PC-852, PC8-TK, Win L1, Win L2, Win L5, Desktop, PS Text, VN Intl, VN US, MS Publ, Math-8, PS Math, VN Math, Pifont, Legal, ISO 4, ISO 6, ISO 11, ISO 15, ISO 17, ISO 21, ISO 60, ISO 69, Win 3.0

The default setting is [PC-8].

Courier Font

You can select a courier font type.

The default setting is [Regular].

Extend A4 Width

You can extend the printing area width (when printing on A4 sheet with PCL).

The default setting is [Off].

When the setting is [On], the width will be $8\,^1/_2$ inches.

Append CR to LF

When set to [On], a carriage return will follow each line feed: CR=CR, LF=CR-LF, FF=CR-FF.

The default setting is [Off].

Resolution

You can set the print resolution in dots per inch.

The default setting is [600 dpi (Fast)].

Reference

- p.153 "Accessing User Tools"

PS Menu

This section describes the user tools in the PS Menu under Printer Features.

This menu appears only when the optional PostScript 3 unit is installed.

Job Timeout

You can specify how long the printer waits (in seconds) before cancelling the current job when the job is interrupted while being processed.

The default setting is [Use Driver/Command].

If you select [Use Machine Settings], enter a value between 0 and 999.

The default setting is "0".

"0" does not mean timeout.

Wait Timeout

You can specify how long the printer waits (in seconds) before it cancels receiving the job when the printer cannot detect the end of the job.

The default setting is [Use Driver/Command].

If you select Use Machine Settings, enter a value between 0 and 999.

The default setting is "300".

"0" does not mean timeout.

Data Format

You can select a data format.

The default setting is [TBCP].

This setting is not effective when operating the machine with a parallel or EtherTalk connection.

When operating the machine with a parallel connection, and also if the binary data is sent from the printer driver, the print job is canceled.

When operating the machine with an Ethernet connection, the print job is canceled under the following conditions:

- The printer driver data format is TBCP, and the data format selected on the display panel is Binary Data.

- The printer driver data format is binary, and the data format selected on the display panel is TBCP.

Resolution

You can set the print resolution in dots per inch.

The default setting is [600 dpi (Fast)].

Color Setting (Colour Setting)

You can make an RGB setting.

The default setting is [Super Fine].

Color Profile (Colour Profile)

You can set the colour profile.

The default setting is [Auto].

Process Color Model (Process Colour Model)

Specify the colour model.

The default setting is [color (colour)].

▤ Reference

- p.153 "Accessing User Tools"

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PDF Menu

This section describes the user tools in the PDF Menu under Printer Features.

Change PDF Password

Set the password for the PDF file executing PDF Direct Print.

- Current Password
- New Password
- Confirm New Password

A password can be set using Web Image Monitor, but in this case the password information is sent through the network. If security is a priority, set the password using this menu from the Control Panel.

PDF Group Password

Set the group password already specified with DeskTopBinder.

- Current Password
- New Password
- Confirm New Password

A password can be set using Web Image Monitor, but in this case the password information is sent through the network. If security is a priority, set the password using this menu from the Control Panel.

Resolution

You can set the print resolution in dots per inch.

The default setting is [600 dpi (Fast)].

Color Setting (Colour Setting)

You can make an RGB setting.

The default setting is [Super Fine].

Color Profile (Colour Profile)

You can set the colour profile.

The default setting is [Auto].

Process Color Model (Process Colour Model)

Specify the colour model.

The default setting is [Color (Colour)].

🔖 Reference

- p.153 "Accessing User Tools"

7. Appendix

Specifications

This section contains the machine's electrical and hardware specifications, including information about its options.

Component	Specifications
Resolution	600 dpi × 600 dpi / 1200 dpi × 1200 dpi
Printing speed	Type 1: • Color: 20 ppm • B&W: 20 ppm Type 2: • Color: 25 ppm • B&W: 25 ppm (A4▯, 8$^1/_2$ " × 11 "▯, plain paper, 600 dpi × 600 dpi) Printing speeds depend on the machine. Check which type of machine you have. See About This Machine.
Interface	Standard: • Ethernet interface (100 BASE-TX/10 BASE-T) • USB 2.0 Type A/B Option: • Giga Ethernet interface (1000BASE-T/100BASE-TX/10BASE-T) • IEEE 1284 parallel interface • IEEE 802.11a/b/g wireless LAN interface • Bluetooth interface
Network protocol	TCP/IP(IPv4, IPv6), IPX/SPX, AppleTalk
Printer language	Standard: PCL 5c/6, RPCS Option: PostScript 3, PDF, PictBridge
Fonts	PCL 5c/6: 45 Intellifonts, 13 International fonts. PostScript 3:

Component	Specifications
	136 fonts
Memory	768 MB
Hard disk	60 GB

USB Interface (Standard)	• Transmission spec.
	
	  USB 2.0 Standard
	
	• Connectable Device:
	
	  Devices corresponding to USB 2.0 Standard

Supported Operating System	Standard: • Windows 2000/XP/Vista, Windows Server 2003/2003 R2/2008 Optional: • Mac OS 8.6 or later, Mac OS X 10.1 or later

↓ Note

- When resolution is 1200 dpi × 1200 dpi, printing speed is changed.

- When using Mac OS, use only the standard USB Interface. The optional USB interface board is not supported.

- When using Mac OS, the USB interface is supported only under Mac OS 9 or later.

- When using the USB Interface (Standard) with Mac OS 10.3.3, USB2.0 is supported.

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*The product names of Windows 2000 are as follows:

Microsoft® Windows® 2000 Professional

Microsoft® Windows® 2000 Server

Microsoft® Windows® 2000 Advanced Server

*The product names of Windows XP are as follows:

Microsoft® Windows® XP Professional

Microsoft® Windows® XP Home Edition

Microsoft® Windows® XP Media Center Edition

Microsoft® Windows® XP Tablet PC Edition

*The product names of Windows Vista are as follows:

Microsoft® Windows Vista® Ultimate

Microsoft® Windows Vista® Business

Microsoft® Windows Vista® Home Premium

Microsoft® Windows Vista® Home Basic

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Microsoft® Windows Vista® Enterprise

*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

Microsoft® Windows Server® 2003 Datacenter Edition

*The product names of Windows Server 2003 R2 are as follows:

Microsoft® Windows Server® 2003 R2 Standard Edition

Microsoft® Windows Server® 2003 R2 Enterprise Edition

Microsoft® Windows Server® 2003 R2 Datacenter Edition

*The product names of Windows Server 2008 are as follows:

Microsoft® Windows Server® 2008 Standard

Microsoft® Windows Server® 2008 Enterprise

Microsoft® Windows Server® 2008 Datacenter

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