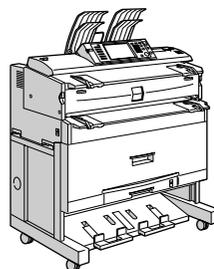




# Operating Instructions Printer Reference



- 
- 1** Preparing the Machine
  - 2** Setting Up the Printer Driver
  - 3** Other Print Operations
  - 4** Printing GL/2 and TIFF Files
  - 5** Saving and Printing Using the Document Server
  - 6** The Functions and Settings of the Machine
  - 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.

## **Introduction**

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

## **Important**

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

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, checks, 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.

## **Caution:**

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

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

## **Notes**

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

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

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

# Manuals for 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.
- Depending on which country you are in, there may also be html manuals. To view these manuals, a Web browser must be installed.
- For details about the functions of RW-3600, refer to the manuals for this option.

## ❖ About This Machine

Be sure to read the Safety Information in this manual before using the machine.

This manual provides an introduction to the functions of the machine. It also explains the control panel, preparation procedures for using the machine, how to enter text, and how to install the CD-ROMs provided.

## ❖ General Settings Guide

Explains User Tools settings, and Address Book procedures such as registering fax numbers, e-mail addresses, and user codes. Also refer to this manual for explanations on how to connect the machine.

## ❖ Trouble Shooting

Provides a guide to solving common problems, and explains how to replace paper, toner, and other consumables.

## ❖ Security Reference

This manual is for administrators of the machine. It explains security functions that the administrators can use to protect data from being tampered, or prevent the machine from unauthorized use.

Also refer to this manual for the procedures for registering administrators, as well as setting user and administrator authentication.

## ❖ Copy/Document Server Reference

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

## ❖ Printer Reference

Explains Printer functions and operations.

## ❖ Scanner Reference

Explains Scanner functions and operations.

## ❖ Network Guide

Explains how to configure and operate the machine in a network environment, and use the software provided.

## ❖ Other manuals

- PostScript 3 Supplement
- UNIX Supplement
- 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.
- “PostScript 3 Supplement” and “UNIX Supplement” include descriptions of functions and settings that might not be available on this machine.

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# Notice

## ❖ Declaration of Conformity

Product Name: Printer/Scanner Controller + Copy Machine

Model Number: Printer Option Type W3600

Responsible party: Ricoh Americas Corporation

Address: 5 Dedrick Place, West Caldwell, NJ 07006

Telephone number: 973-882-2000

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- ① This device may not cause harmful interference, and
  - ② this device must accept any interference received, including interference that may cause undesired operation.
- ① Properly shielded and grounded cables and connectors must be used for connections to a host computer (and/or peripheral) in order to meet FCC emission limits.
  - ② An AC adapter with a ferrite core must be used for RF interference suppression.

## ❖ Note to users in the United States of America

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio /TV technician for help.

## ❖ Caution:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## ❖ Note to users in Canada

This Class B digital apparatus complies with Canadian ICES-003.

## ❖ Remarque concernant les utilisateurs au Canada

## ❖ Avertissement:

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

# How to Read This Manual

---

## Symbols

---

This manual uses the following symbols:

### **WARNING:**

Indicates important safety notes.

Ignoring these notes could result in serious injury or death. Be sure to read these notes. They can be found in the “Safety Information” section of About This Machine.

### **CAUTION:**

Indicates important safety notes.

Ignoring these notes could result in moderate or minor injury, or damage to the machine or to property. Be sure to read these notes. They can be found in the “Safety Information” section of About This Machine.

### **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.

# Display Panel

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

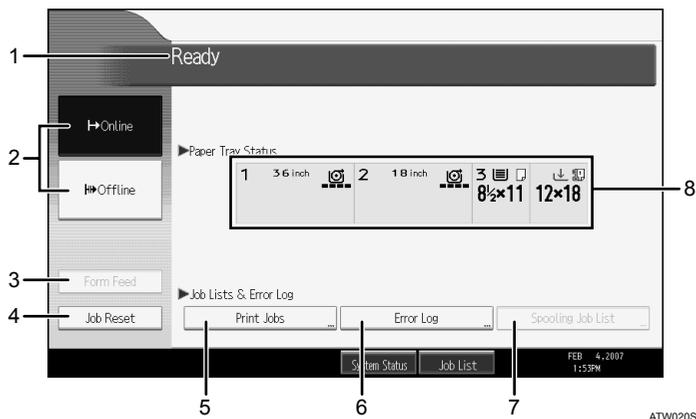
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## Initial Display

---

### Important

- ❑ The machine switches to offline when you make settings when the machine is online. 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 display panel, it becomes highlighted.
- ❑ Keys dimmed (for example, **OK**) cannot be used.



### 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**]

When you press these keys, the machine switches 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.

### Note

- When the power is turned on, the copier display is shown. This is a factory default. This initial setting can be changed. See “System Settings”, General Settings Guide.

## 7. [Spooling Job List]

Press to display spooled jobs.

## 8. Paper Tray Status indicators

The paper tray settings appear.

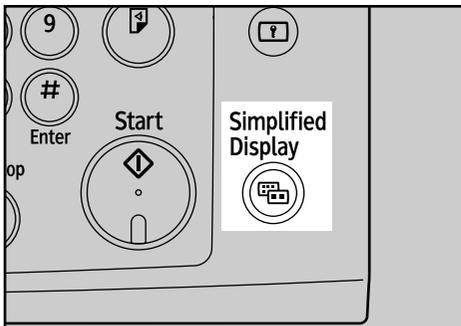
---

# Simplified Display

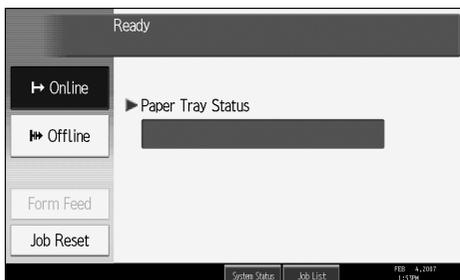
---

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.



### ❖ 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 Copier, 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 with Scanner are not displayed in the job list.

---

## Job List Screen

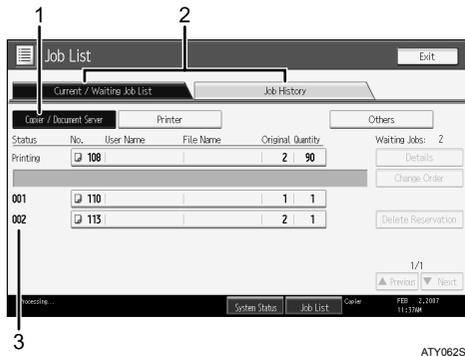
---

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 the setting procedure, see “Print Priority”, General Settings Guide.

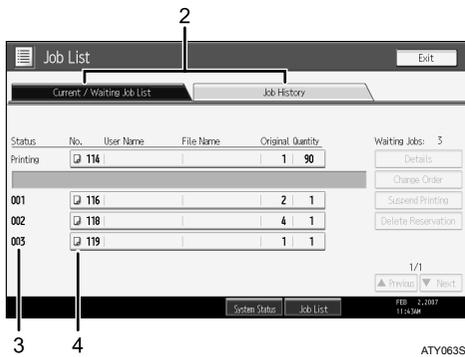
### ❖ When [Job Order] is not selected:

The job list is displayed for each of the functions.



### ❖ When [Job Order] is selected:

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



- 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 with Copier
  - : Job printed with Printer
  - : Job printed with Document Server
  - : Job printed with DeskTopBinder
  - : Job printed with Web Image Monitor

## Reference

“System Setting”, General Setting Guide

---

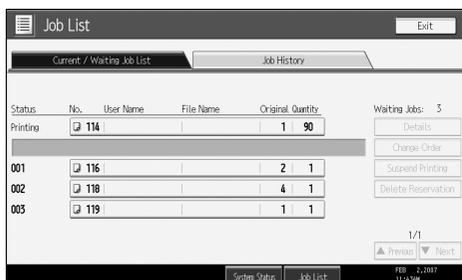
## Checking Jobs in the Job List

---

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

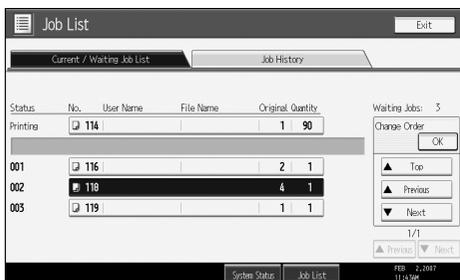
---

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

- 1** Press [Job List].
- 2** Select the job whose order you want to change.
- 3** Press [Change Order].



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



- 5** Press [OK].

---

## Holding Print 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 jobs that follow are suspended. “Susspending” 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.
- 3 Press [Delete Reservation].



- 4 Press [OK].

### Note

- To delete multiple print jobs, select then in step 2.

---

## Checking Job History

---

You can view the history and contents of completed printed 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].

# Printer Features Menu

The following explains settings and meanings of functions on the Printer Features screen. Select **[Printer Features]** after you press the **[User Tools/Counter]** key. For details, see "Printer Features", General Settings Guide.

## ❖ List / Test Print

Menu	Description
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.
Menu List	You can print a Menu List showing the machine's function menus.
PS Configuration / Font Page	You can print the current configuration and installed PostScript font list.
PDF Configuration / Font Page	You can print the current configuration and installed PDF font list.
Hex Dump	You can print in the Hex Dump mode.

## ❖ Maintenance

Menu	Description
Menu Protect	This function lets you protect menu settings from accidental change. It makes it impossible to change menu settings with normal procedures unless you perform the required key operations. In a network environment, only administrators can make changes to menu settings.
List / Test Print Lock	You can lock the <b>[List / Test Print Lock]</b> menu.
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.

## ❖ System

Menu	Description
Print Error Report	You can print an error report when a printer or memory error occurs.
Auto Continue	You can select this to enable Auto Continue. When it is On, printing continues after a system error occurs.
Memory Overflow	Select this to have a memory overflow error report printed.
Rotate by 180 Degrees	Use this to select or deselect rotation of the print image by 180 degrees.
Auto Delete Temporary Print Jobs	You can select to automatically delete print jobs temporarily stored in the machine.
Auto Delete Stored Print Jobs	You can select to automatically delete print jobs stored in the machine.
Initial Print Job List	You can set the default Printer screen when you press <b>[Print Jobs]</b> .
Memory Usage	You can select the amount of memory used in Font Priority or Frame Priority, according to paper size or resolution.
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.
Blank Page Print	You can select whether or not to print blank pages.
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.
Printer Language	You can specify the printer language.
Sub Paper Size	You can enable the Auto Substitute Paper Size (A4, LT) feature.
Bypass Tray Setting Priority	You can specify which of the two options, (Printer) Driver / Command or Machine Settings, has priority for determining the paper size for the bypass tray.
Edge to Edge Print	You can select whether or not to print on the entire sheet.
Default Printer Language	You can set the default printer language if the machine cannot find the printer language automatically.
Tray Switching	You can set to switch the paper tray.

## ❖ Host Interface

Menu	Description
I/O Buffer	You can set the size of the I/O Buffer. Normally it is not necessary to change this setting.
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.

## ❖ PS Menu

Menu	Description
Data Format	You can select a data format.
Resolution	You can set the print resolution in dots per inch.

## ❖ PDF Menu

Menu	Description
Change PDF Password	You can set the password for the PDF file executing PDF Direct Print.
PDF Group Password	You can set the group password already specified with DeskTopBinder Lite.
Resolution	You can set the print resolution in dots per inch.

### **Note**

- Some options cannot be set depending on security settings.
- For more information about copier features and system settings, see *Copy/Document Server Reference* and *General Settings Guide*.

### **Reference**

“Printer Features”, *General Settings Guide*

# Setting Paper on the Bypass Tray

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

For details about supported paper sizes and types, see “Paper Size and Paper Type”, About This Machine.

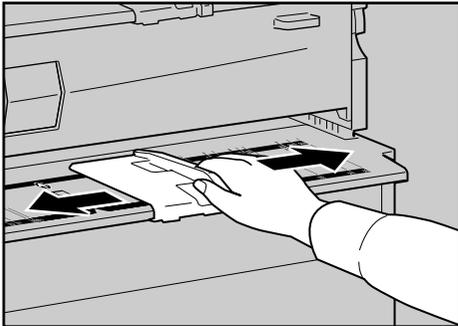
## Important

- Paper that has a vertical length of 210 - 914.4 mm (8.27 - 36 inches) and a horizontal length of 257 - 2000 mm (10.12 - 78.74 inches) can be copied from the bypass tray.
- Insert the paper in the bypass tray lengthwise or sideways to fit it onto the feeding orientation.
- Insert the paper in the bypass tray lengthwise when you use A0  size paper.
- The following functions are disabled when printing from the bypass tray:
  - Auto Tray Select
  - Auto Tray Switching
  - Folding (when the optional Folding Finisher)
- You cannot print or insert paper into the bypass tray during printing.

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

You can omit the following procedures by setting **[Printer Features]**, **[System]**, **[Bypass Tray Setting Priority]** to **[Driver / Command]**. Then you can use the printer driver to specify the paper size.

## **2** Adjust the bypass tray's paper guides to the size of the paper.



ATZ030S

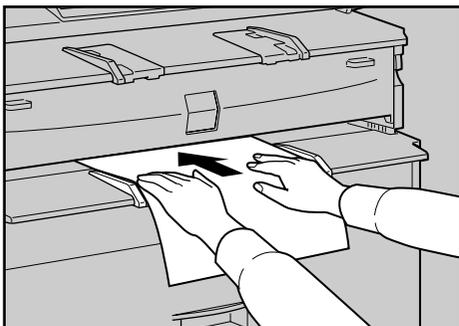
If the paper size of the paper guide and the paper do not match, skewing and misfeeds might occur.

## **3** Send the print job to the machine.

**4 Gently push the paper face up into the bypass tray until the beeper sounds.**

Place the paper centrally, so that the space on either side of its edges is even. Then push it carefully in, so that it makes light contact with the feed rollers. Support the paper with your hands until it feeds in.

The paper feeds into the machine automatically and printing starts.



ATZ0315

**5 Check that the paper is properly fed.**

**Note**

- Insert the paper until you hear the beep.
- When loading translucent paper or film, specify the paper size and type.
- If you are printing multiple pages, feed the next sheet.
- Do not print on both sides of the paper.
- Do not use paper already copied or printed on.
- For details about paper type and orientation that can be loaded in the bypass tray, see "Copy Paper", About This Machine.
- To set a rolled paper, pull out the lower output auxiliary guide to the front, and then place the rolled paper on it.
- For printer driver settings, see the printer driver Help.

**Reference**

"Copy Paper", About This Machine

"Setting Rolled Originals", Copy/Document Server Reference

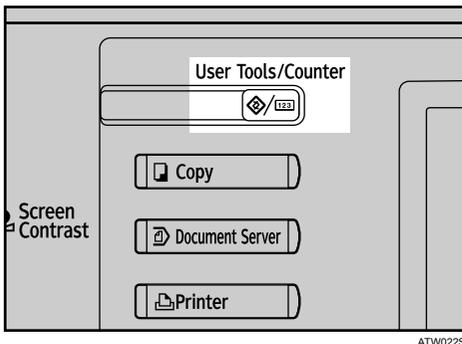
## Setting the Paper Size Using the Control Panel

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

### Important

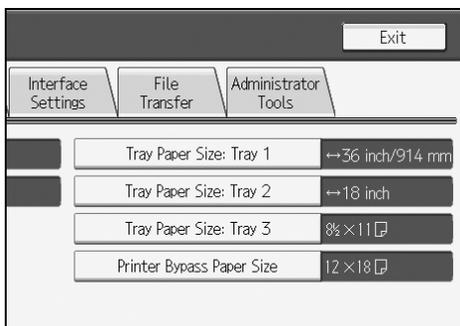
- The following procedures are not required if you select **[Driver / Command]** from **[Bypass Tray Setting Priority]** in **[System]** of **[Printer Features]** (see “Printer Features”, General Settings Guide). In that case, set the paper size using the printer driver.
- Under **[Printer Features]**,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

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



**2** Press **[System Settings]**.

**3** Press the **[Tray Paper Settings]** tab, and then press **[Printer Bypass Paper Size]**.



**4** Select the paper size.

**5** Press **[OK]**.

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

The initial screen appears.

### Note

- When loading translucent paper or film, set paper size and paper type.
- For printer driver settings, see the printer driver Help.

---

## Setting Custom Size Paper Using the Control Panel

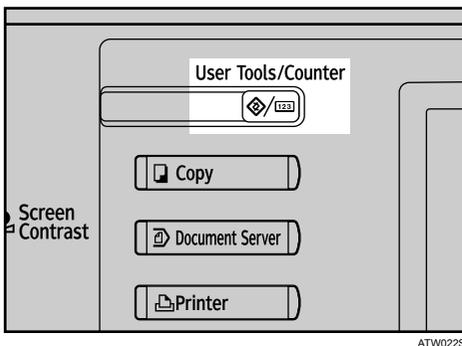
---

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

### Important

- Paper sizes that can be loaded onto the bypass tray are 257 - 2000 mm (10.12 - 78.74 in.) vertical, and 210 - 914.4 mm (8.27 - 36 in.) horizontal.
- The following procedures are not required if you select **[Driver / Command]** from **[Bypass Tray Setting Priority]** in **[System]** of **[Printer Features]** (see “Printer Features”, General Settings Guide). 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 “Printer Features”, General Settings Guide), 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 “Printer Features”, General Settings Guide). Set paper size using the control panel.

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



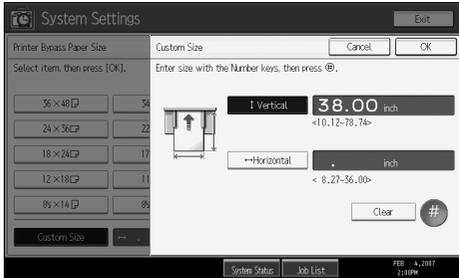
**2** Press **[System Settings]**.

**3** Press the **[Tray Paper Settings]** tab, and then press **[Printer Bypass Paper Size]**.

**4** Press **[Custom Size]**.



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



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

- 7** Press [OK].

The paper sizes entered are displayed.

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

The initial screen appears.

 **Note**

- When loading translucent paper or film, set paper size and paper type.
- For printer driver settings, see the printer driver Help.

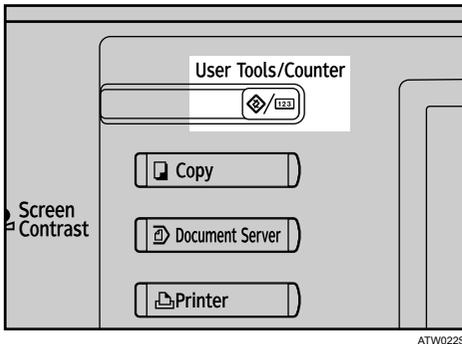
## Setting Translucent Paper or Film Using the Control Panel

Follow the procedure below to set the machine using the control panel when loading translucent paper or film onto the bypass tray.

### Important

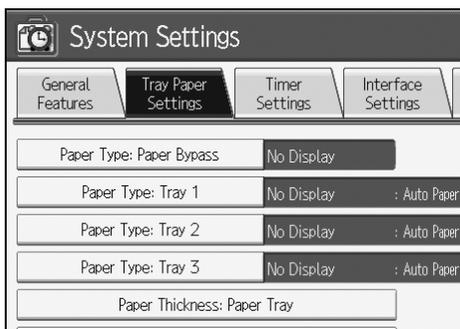
- ❑ The following procedures are not required if you select **[Driver / Command]** from **[Bypass Tray Setting Priority]** in **[System]** of **[Printer Features]** (see “Printer Features”, General Settings Guide). In that case, set the paper size using the printer driver.
- ❑ If you select **[Machine Settings]** from **[Bypass Tray Setting Priority]** in **[System]** of **[Printer Features]** (see “Printer Features”, General Settings Guide), 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 “Printer Features”, General Settings Guide). Set the paper size using the control panel.

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

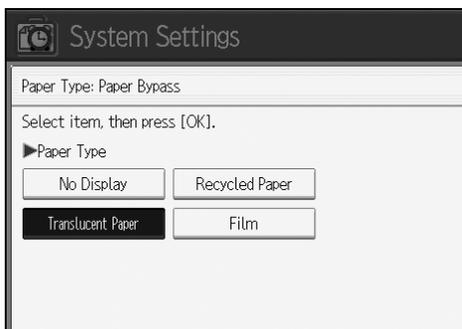


**2** Press **[System Settings]**.

**3** Press the **[Tray Paper Settings]** tab, and then press **[Paper Type: Paper Bypass]**. Press **[▼Next]** to scroll through the list.



- 4 Press **[Translucent Paper]** or **[Film]** on the **[Paper Type]** area when loading translucent paper or film.



- 5 Press **[OK]**.

The paper type selected is displayed.

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

The initial screen appears.

 **Note**

- The settings made will remain valid until they are reset again. After printing on translucent paper or film, make sure to clear settings for the next user.
- For printer driver settings, see the printer driver Help.



# 1. Preparing the Machine

## 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.

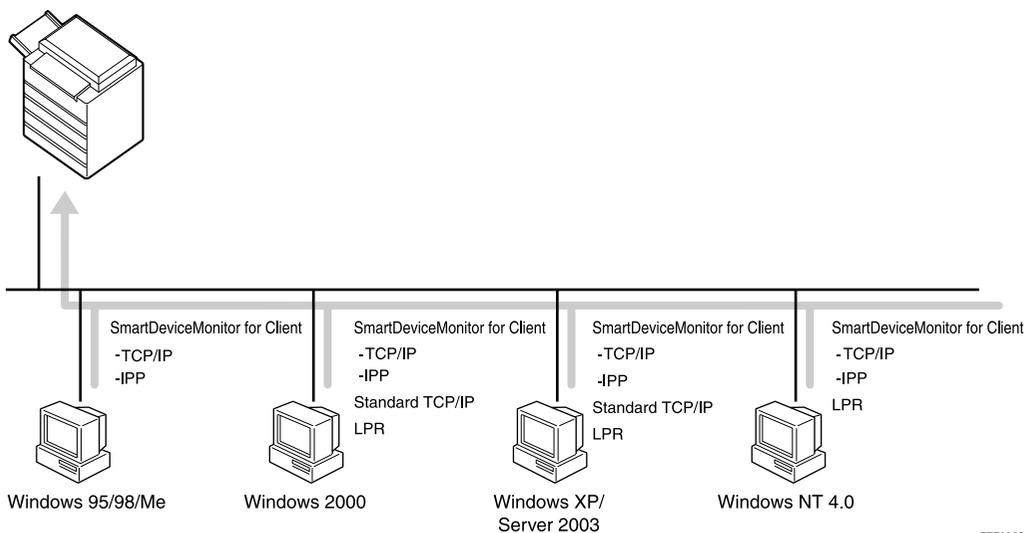
---

#### Using this machine as the Windows printing port

---

Network connections can be established through Ethernet, IEEE 802.11b.

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



ZZZ035S

❖ **Windows 95 / 98**

Connection method	Available ports
Ethernet / IEEE 802.11b	SmartDeviceMonitor for Client port

❖ **Windows Me**

Connection method	Available ports
Ethernet / IEEE 802.11b	SmartDeviceMonitor for Client port

❖ **Windows 2000**

Connection method	Available ports
Ethernet / IEEE 802.11b	SmartDeviceMonitor for Client port Standard TCP/IP port LPR port

❖ **Windows XP**

Connection method	Available ports
Ethernet / IEEE 802.11b	SmartDeviceMonitor for Client port Standard TCP/IP port LPR port

❖ **Windows Server 2003**

Connection method	Available ports
Ethernet / IEEE 802.11b	SmartDeviceMonitor for Client port Standard TCP/IP port LPR port

❖ **Windows NT 4.0**

Connection method	Available ports
Ethernet / IEEE 802.11b	SmartDeviceMonitor for Client port LPR port

 **Note**

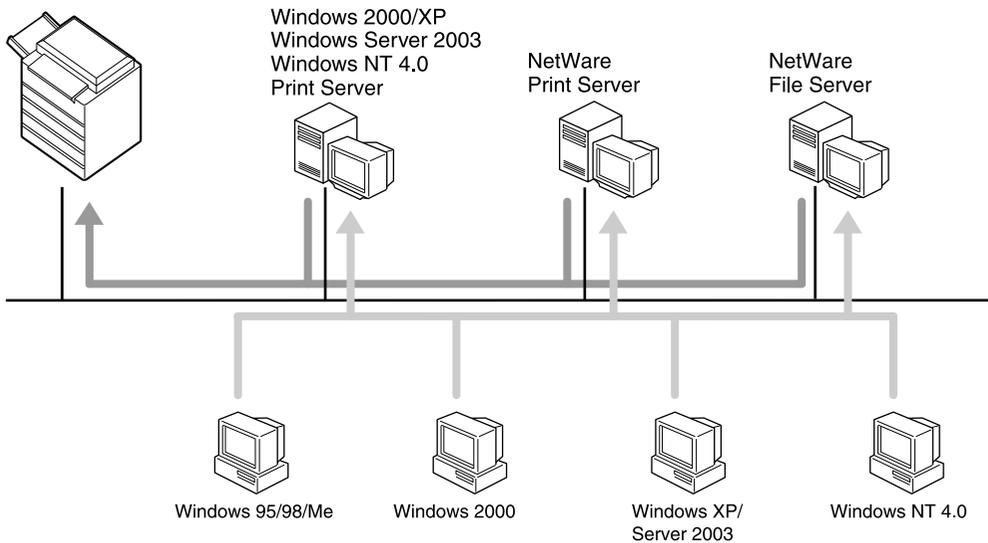
- See the explanation about how to install the printer driver for each type of port.

 **Reference**

- p.27 "Using the SmartDeviceMonitor for Client port"
- p.34 "Using the Standard TCP/IP port"
- p.36 "Using the LPR port"

## Using as a network printer

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



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### Note

- In an IPv6 environment, NetWare servers cannot be used.
- See the explanation about how to install the printer driver for each type of network printer.

### Reference

p.38 "Using as a Windows Network Printer"

p.40 "Using as a NetWare Print Server / Remote Printer"

---

## Local Connection

---

1

Local connections can be established via USB connection.

Windows operating system version that can use the USB connection is as follows:

- Windows 98 SE / Me
- Windows 2000
- Windows XP, Windows Server 2003

 **Note**

- See the explanation about how to install the printer driver for USB connection.

 **Reference**

p.43 "Installing the Printer Driver Using USB"

# 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.

1

---

## Quick Install

---

Windows 95 / 98 / Me / 2000 / XP, Windows Server 2003, and Windows NT 4.0 users can easily install this software using the supplied CD-ROM.

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

### Important

- To install printer driver under Windows 2000 / XP Professional, Windows Server 2003, and Windows NT 4.0, you must have an account that has Manage Printers permission. Log on as an Administrator.
- If you connect using USB, refer to p.43 “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.

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

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

The default interface language is English.

**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.

 **Reference**

p.49 "If Bidirectional Communication Is Disabled"

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## Installing the Printer Driver for the Selected Port

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### Using the SmartDeviceMonitor for Client port

---

#### Important

- To install SmartDeviceMonitor for Client under Windows 2000 / XP Professional, Windows Server 2003, and Windows NT 4.0, 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].  
The default interface language is English.
- 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 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.

---

## Changing the port settings for SmartDeviceMonitor for Client

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

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For Windows 95 / 98:

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- 1** On the [Start] menu, point to [Settings], and then click [Printers].
  - 2** In the [Printers] window, click the icon of the printer you want to use. On the [File] menu, click [Properties].
  - 3** Click the [Details] tab, and then click [Port Settings].  
The [Port Settings] dialog box appears.
- 

For Windows 2000 / Windows NT 4.0:

---

- 1** On the [Start] menu, point to [Settings], and then click [Printers].
  - 2** In the [Printers] window, 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 [Port Configuration] dialog box appears.
- 

For Windows XP, Windows Server 2003:

---

- 1** On the [Start] menu, click [Printers and Faxes].  
The [Printers and Faxes] window appears.
- 2** Click the icon of the machine you want to use. On the [File] menu, click [Properties]. The printer properties appear.
- 3** 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.
  - ② Start SmartDeviceMonitor for Client, and then right-click the SmartDeviceMonitor for Client icon on the tasktray.
  - 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.

 **Reference**

“Using SmartDeviceMonitor for Client”, Network Guide  
SmartDeviceMonitor for Client Help

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## Installing the RPCS printer driver (TCP/IP)

---

### Important

- ❑ To install this printer driver under Windows 2000 / XP Professional, Windows Server 2003, and Windows NT 4.0, you must have an account that has Manage Printers permission. Log on as an Administrators or Power Users group member.

**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].

The default interface language is English.

**4** Click [RPCS Printer Driver].

**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 character or symbol 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]**.

Restart the computer to complete installation.

 **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.
- Under Windows 95 / 98 / Me, you cannot add an IP address partially similar to the one already used. For example, if "192.168.0.2" is in use, "192.168.0.2xx" cannot be used. Similarly, if "192.168.0.20" is in use, "192.168.0.2" cannot be used.
- 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]**.

 **Reference**

"When a Message Appears during Installation of the Printer Driver", Trouble Shooting.

---

## Installing the RPCS printer driver (IPP)

---

### Important

- To install printer driver under Windows 2000 / XP Professional, Windows Server 2003, and Windows NT 4.0, you must have an account that has Manage Printers permission. Log on as an Administrators or Power Users group member.

**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].

The default interface language is English.

**4** Click [RPCS Printer Driver].

**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 machine 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 [SmartDeviceMonitor], and then click [OK].

**11** Click [IPP].

**12** In the [Printer URL] box, enter “http://printer's 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 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 address/ipp” as the printer's address.

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

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

- 14** Click [Detailed Settings] to make necessary settings.

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

- 15** Click [OK].

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

- 17** Set a user code, if necessary.

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

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

- 19** Click [Continue].

Installation starts.

- 20** 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].

#### Reference

"When a Message Appears during Installation of the Printer Driver",  
Trouble Shooting

---

## Using the Standard TCP/IP port

---

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

### Important

- To install this printer driver under Windows 2000 / XP Professional, and Windows Server 2003, you must have an account that has Manage Printers permission. Log on as an Administrators or Power Users group member.
- In an IPv6 environment, you cannot use the Standard TCP/IP Port. Use the SmartDeviceMonitor for Client port.

---

## Installing the 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].

The default interface language is English.

**4** Click [RPCS Printer Driver].

**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 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 **[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]**.

#### **Reference**

“When a Message Appears during Installation of the Printer Driver”,  
Trouble Shooting

---

## Using the LPR port

---

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

1

### Important

- ❑ To install this printer driver under Windows 2000 / XP Professional, Windows Server 2003, and Windows NT 4.0, you must have an account that has Manage Printers permission. Log on as an Administrator or Power Users group member.

---

## Installing the 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].

The default interface language is English.

**4** Click [RPCS Printer Driver].

**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 machine 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.
- 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]**.

 **Reference**

"When a Message Appears during Installation of the Printer Driver",  
Trouble Shooting

# Using as a Windows Network Printer

1

This describes how to install the 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, Windows Server 2003, or Windows NT 4.0 shared printer.

This section assumes that the client has already been configured to communicate with a Windows 2000 / XP, Windows Server 2003, or Windows NT 4.0 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 Professional, Windows Server 2003, and Windows NT 4.0, you must have an account that has Manage Printers permission. Log on as an Administrator or Power Users group member.
- 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 with a Windows XP or Windows Server 2003 print server, notification functions of SmartDeviceMonitor may not be used with the client.
- If you print with a Windows NT 4.0 print server, install the printer driver before you connect the print server to the printer.

---

## Installing the 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].

The default interface language is English.

**4** Click [RPCS Printer Driver].

**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.
- 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 information 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**

- 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 "When a Message Appears during Installation of the Printer Driver", Trouble Shooting.

#### **Reference**

"When a Message Appears during Installation of the Printer Driver", Trouble Shooting

# Using as a NetWare Print Server / Remote Printer

1

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

## Important

- To install this printer driver under Windows 2000 / XP Professional, Windows Server 2003, and Windows NT 4.0, you must have an account that has Manage Printers permission. Log on as an Administrators or Power Users group member.
- In an IPv6 environment, NetWare servers cannot be used.

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:

- Operating system: Windows 98
- 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].

The default interface language is English.

## **3** Click [RPCS Printer Driver].

## **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 **[Continue:]**, **[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, launch the **[Printers]** window, and then open the printer properties.

Under Windows XP or Windows Server 2003, open the printer properties from the **[Printers and Faxes]** window.

**18** On the **[Printer Settings]** tab, clear the **[Form Feed]** and **[Enable Banner]** check boxes.

Under Windows 2000 / XP, Windows Server 2003, or Windows NT 4.0, click the **[NetWare setting]** tab.

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 SmartDeviceMonitor or Telnet.

---

## Form Feed

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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 95 / 98 / Me, clear the **[Form feed]** check box on the **[Printer Settings]** tab in the printer properties dialog box.
- Under Windows 2000 / XP, Windows Server 2003, or Windows NT 4.0, 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 95 / 98 / Me, clear the **[Enable banner]** check box on the **[Printer Settings]** tab in the printer properties dialog box.
- Under Windows 2000 / XP, Windows Server 2003, or Windows NT 4.0, clear the **[Enable banner]** check box on the **[NetWare Settings]** tab in the printer properties dialog box.

---

## Printing after Resetting the Printer

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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.

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

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## Windows Me - USB

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The following explains how to install the printer driver using USB under Windows Me.

### Important

- Installation via USB is not possible under Windows 95 / 98. Upgrade to Windows Me or later.
- Download USB Printing Support for Windows Me from the supplier's Web site.

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.

### **1** Download USB Printing Support from the supplier's Web site.

Use a search to find the model name, and then download USB Printing Support from the supplier's Web site.

Save it where you can locate it easily.

### **2** Check the printer's power switch is off.

### **3** Connect the machine to the computer using the USB cable.

Connect the USB cable firmly.

### **4** Turn on the printer's power switch.

The Plug and Play is enabled, and [Found New Hardware Wizard] appears.

If USB Printing Support is already installed on the computer proceed to Step **5**.

### **5** In the [Found New Hardware Wizard] display, click [Install from a list or specific location (Advanced)], and then click [Next >].

### **6** Select the [Specify a location:] check box, and then click [Browse...].

The [Browse for Folder] dialog box appears.

### **7** Specify the location where USB Printing Support is located, and then click [Next >].

**8** Check the location, and then click **[Next >]**.

USB Printing Support is installed.

**9** 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.

**10** Install the printer driver.**11** In the **[Found New Hardware Wizard]** dialog box, click **[Install from a list or specific location (Advanced)]**, and then click **[Next >]**.**12** Select the **[Specify a location:]** check box, and then click **[Browse...]**.

The **[Browse for Folder]** dialog box appears.

**13** Insert the CD-ROM into the CD-ROM drive. **Note**

- When Auto Run starts, click **[Exit]**.
- To disable Auto Run, press the **[Shift]** key when inserting the CD-ROM into the drive and keep it pressed until the computer finishes reading from the CD-ROM.

**14** Specify the location where the source files of the printer driver are stored, and then click **[Next >]**.

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

- RPCS  
D:\DRIVERS\RPCS\WIN9X\_ME\ (Language)\DISK1
- PostScript 3  
D:\DRIVERS\PS\WIN9X\_ME\ (Language)\DISK1

**15** Check the location, and then click **[Next >]**.

Add Printer Wizard starts.

**16** Click **[Finish]**.

Installation is complete. If installation is successful, the icon of the printer connected to the “USB001” port is added to the **[Printers]** window.

 **Note**

- The number after “USB” varies depending on the number of printers connected.
- It is not necessary to reinstall USB Printing Support when connecting a different machine via USB interface when USB Printing Support is installed.
- After installing USB Printing Support, if the printer driver is not installed, follow the plug-and-play instructions of the printer.

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## Windows 2000 - USB

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The following explains how to install the printer driver using USB under Windows 2000.

### Important

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

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

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 supplied CD-ROM.

### **1** Connect the machine to the computer using the USB cable.

Connect the USB cable firmly.

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

### **3** Select the **[Specify location]** check box, and then click **[Next >]**.

### **4** Insert the CD-ROM into the CD-ROM drive.

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

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.

### **5** Specify the location where the source files of the printer driver are stored.

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

- RPCS  
D:\DRIVERS\RPCS\WIN2K\_XP\ (Language)\DISK1
- PostScript 3  
D:\DRIVERS\PS\WIN2K\_XP\ (Language)\DISK1

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

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

### **8** 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

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

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## Windows XP, Windows Server 2003 - USB

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The following explains how to install the printer driver using USB under Windows Server 2003.

### Important

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

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

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 supplied CD-ROM provided with this machine.

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

### **1** Connect the machine to the computer using the USB cable.

Connect the USB cable firmly.

### **2** In the Found New Hardware Wizard display, click **[Install the software automatically (Recommended)]**, and then click **[Next >]**.

### **3** Insert the CD-ROM into the CD-ROM drive.

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

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.

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

- RPCS  
D:\DRIVERS\RPCS\WIN2K\_XP\ (Language)\DISK1
- PostScript 3  
D:\DRIVERS\PS\WIN2K\_XP\ (Language)\DISK1

### **4** Select the machine model you want to use in the Found New Hardware Wizard display, and then click **[Next >]**.

### **5** Click **[Continue Anyway]**.

### **6** Click **[Finish]**.

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

### Note

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

# Making Option Settings for the Printer

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

For details about making option settings for the printer, see p.49 “If Bidirectional Communication Is Disabled”.

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## Conditions for Bidirectional Communication

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

- Bidirectional communication is supported by Windows 95 / 98 / Me / 2000 / XP, Windows Server 2003, and Windows NT 4.0.
- If you use the RPCS printer driver and bidirectional communication is enabled under Windows 2000, the **[Change Accessories]** tab is unavailable.

### **Note**

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

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**

- DeskTopBinder Lite must be installed, or the Standard TCP/IP port must be used.
- Under Windows 2000/XP, Windows Server 2003, **[Enable bidirectional support]** must be selected, and **[Enable printer pooling]** must not be selected on the **[Ports]** tab with the RPCS printer driver.

If the Standard TCP/IP port is not being used, one of the following conditions must be met in addition to the two above:

- The SmartDeviceMonitor for Client port and the TCP/IP protocol must be used.
- The standard TCP/IP port must be used without changing the default port name (for Windows 2000 / XP and Windows Server 2003).
- Microsoft TCP/IP print IP address must be specified for use (for Windows NT 4.0).

❖ **When connected with USB**

The machine must be connected to the computer's USB port using the USB interface cable.

The computer must support bidirectional communication.

 **Note**

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

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## If Bidirectional Communication Is Disabled

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Set up option settings when bidirectional communications are disabled.

### Important

- Under Windows 2000 / XP and Windows Server 2003, Manage Printers permission is required to change the printer properties in the **[Printers]** folder. Log on as an Administrators or Power Users group member.
- Under Windows NT 4.0, Full Control permission is required to change the printer properties in the **[Printers]** (Windows 2000) or **[Printers and Faxes]** (Windows XP / Windows Server 2003) folder. Log on as an Administrators or Power Users group member.

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

The **[Printers]** window appears.

When using Windows XP or Windows Server 2003, point to **[Settings]** on the **[Start]** menu, and then 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]**.

### **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 and highlight 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 2000

1

## Important

- Under Windows 2000 / XP, Windows Server 2003, or Windows NT 4.0, installing applications by Auto Run requires administrator permission. To install a printer driver by Auto Run, log on using an account that has administrator permission.

**1** Quit all applications currently running.

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

The installer starts.

**3** Click [Font Manager 2000].

**4** Follow the instructions on the screen.

# Using Adobe PageMaker Version 6.0, 6.5, or 7.0

1

Under Windows 95 / 98 / Me / 2000 / XP, Windows Server 2003, or Windows NT 4.0 with Adobe PageMaker, you need to copy PPD files to the PageMaker folder.

PPD files have the .ppd extension in the folder “DRIVERS\PS\WIN9X\_ME\ (Language)\DISK1” on the CD-ROM.

The “WIN9X\_ME” folder inside the “PS” folder is for Windows 95 / 98 / Me. 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.

1

# 2. Setting Up the Printer Driver

## 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 95 / 98 / Me - Accessing the Printer Properties

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This describes how to launch printer driver's properties.

---

### Making printer default settings

---

To make the printer default settings, open the printer properties dialog box from the **[Printers]** window.

#### Important

- You cannot change the printer default settings for each user. 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]**.

When you open the printer properties dialog box initially after installing the RPCS printer driver, a confirmation message appears. After clicking **[OK]**, the printer properties dialog box appears.

#### **4** Make the necessary settings, and then click **[OK]**.

#### Note

- With some applications, the printer driver settings are not used, and the application's own default settings are applied.

#### Reference

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 printer properties dialog box from that application. The following explains how to make settings for the WordPad application provided with Windows 95/98/Me.

2

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

The **[Print]** dialog box appears.

**2** Select the printer you want to use in the **[Name]** list, and then click **[Properties]**.

The printer properties dialog box appears.

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

**4** Click **[OK]** to start printing.

 **Note**

- The procedure to open the printer properties dialog box may vary depending on the application. For details, see the manuals provided with the application you use.
- With some applications, the printer driver settings are not used, and the application's own default settings are applied.
- Any settings you make in the following procedure are valid for 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 this application.

 **Reference**

The printer driver Help

---

## Windows 2000 - Accessing the Printer Properties

---

This describes how to launch printer driver's properties.

---

### Making printer default settings - the printer properties

---

#### Important

- To change the printer default settings including option configuration settings, log on using an account that has Manage Printers permission. Members of the Administrators and Power Users groups have Manage Printers permission by default.
- You cannot change the printer default settings for each user. 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 initially after installing the RPCS printer driver, a confirmation message appears. After clicking [OK], the printer properties dialog box appears.

#### **4** Make the necessary settings, and then click [OK].

#### Note

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

#### Reference

The printer driver Help

---

## Making printer default settings - printing preferences

---

### Important

- You cannot change the printer default settings for each user. 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 necessary settings, and then click [OK].

#### Note

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

#### Reference

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 explains how to make settings for the WordPad application provided with Windows 2000.

#### **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 necessary settings, and then click [Apply] to start printing.

#### Note

- The procedure to open the [Printing Preferences] dialog box may vary depending on the application. For details, see the manuals provided with the application you use.
- Any settings you make in the following procedure are valid for 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 this application.

#### Reference

The printer driver Help

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## Windows XP, Windows Server 2003 - Accessing the Printer Properties

---

This describes how to launch printer driver's properties.

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### Making printer default settings - the printer properties

---

#### Important

- To change the printer default settings including option configuration settings, log on using an account that has Manage Printers permission. Members of the Administrators and Power Users groups have Manage Printers permission by default.
- You cannot change the printer default settings for each 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 [Properties].

The printer properties dialog box appears.

When you open the printer properties dialog box initially after installing the RPCS printer driver, a confirmation message appears. After clicking [OK], the printer properties dialog box appears.

#### **4** Make the necessary settings, and then click [OK].

#### Note

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

#### Reference

The printer driver Help

---

## Making printer default settings - printing preferences

---

### Important

- You cannot change the printer default settings for each 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 necessary settings, and then click [OK].

#### Note

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

#### Reference

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 explains how to make settings for the WordPad application provided with Windows XP.

#### **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 necessary settings, and then click [Apply] to start printing.

#### Note

- The procedure to open the [Printing Preferences] dialog box may vary depending on the application. For details, see the manuals provided with the application you use.
- Any settings you make in the following procedure are valid for 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 this application.

#### Reference

The printer driver Help

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## Windows NT 4.0 - Accessing the Printer Properties

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This describes how to launch printer driver's properties.

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### Making printer default settings - the printer properties

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#### Important

- To change the printer default settings including option configuration settings, log on using an account that has Full Control permission. Members of the Administrators, Server Operators, Print Operators, and Power Users groups have Full Control permission by default.
- You cannot change the printer default settings for each user. 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 initially after installing the RPCS printer driver, a confirmation message appears. After clicking [OK], the printer properties dialog box appears.

#### **4** Make the necessary settings, and then click [OK].

#### Note

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

#### Reference

The printer driver Help

---

### Making printer default settings - default

---

#### Important

- To change the printer default settings including option configuration settings, log on using an account that has Full Control permission. Members of the Administrators, Server Operators, Print Operators, and Power Users groups have Full Control permission by default.
- You cannot change the printer default settings for each user. 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 **[Document Defaults...]**.

The **[Default]** dialog box appears.

- 4** Make the necessary settings, and then click **[OK]**.

 **Note**

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

 **Reference**

The printer driver Help

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## 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 printer properties dialog box from that application. The following explains how to make settings for the WordPad application provided with Windows NT 4.0.

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

The **[Print]** dialog box appears.

- 2** Select the printer you want to use in the **[Name]** list, and then click **[Properties]**.

The printer properties dialog box appears.

- 3** Make the necessary settings, and then click **[OK]**.

- 4** Click **[OK]** to start printing.

 **Note**

- The procedure to open the printer properties dialog box may vary depending on the application. For details, see the manuals provided with the application you use.
- With some applications, the printer driver settings are not used, and the application's own default settings are applied.
- Any settings you make in the following procedure are valid for 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 this application.

 **Reference**

The printer driver Help

# 3. Other Print Operations

## Printing a PDF File Directly

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

### Important

- The function can be used with genuine Adobe PDF files only.
- This function supports version 1.3, 1.4, and 1.5 PDF files.
- Transparency (function of PDF version 1.4) may not be printed.
- PDF files created using Crypt Filter and/or the 16 bit color image function of PDF version 1.5 cannot be printed.
- PDF version 1.6 (Acrobat 7.0) files created without any functions that are exclusive to PDF version 1.6 can be printed.
- Some types of High Compression PDF files may not be printed.

### Note

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

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## Printing Method

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

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## Using DeskTopBinder Lite

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### Installing DeskTopBinder Lite

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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 Setup] dialog box appears.

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

- 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.

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### DeskTopBinder Lite Enhancements

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

- 1** On the [Start] menu, point to [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].

The [Extended Features Wizard] dialog box closes.

---

## Function Palette

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The Function Palette contains buttons for functions that have already been configured using DeskTopBinder Lite enhancement. You can use these buttons, to point Windows files, preview printouts, convert images, and register scanners for documents, without having to open DeskTopBinder Lite. To use these functions, simply drag a target file to the button for the required function and drop it there.

- 1** On the [Start] menu, point to [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] dialog box closes and the [PDF Direct Print] icon is added to the Function Palette.

---

## PDF Direct Printing

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Use the following method 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

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

- 1** On the **[Start]** menu, point to **[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]**.

The **[PDF Direct Print Properties]** dialog box closes.

- 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.

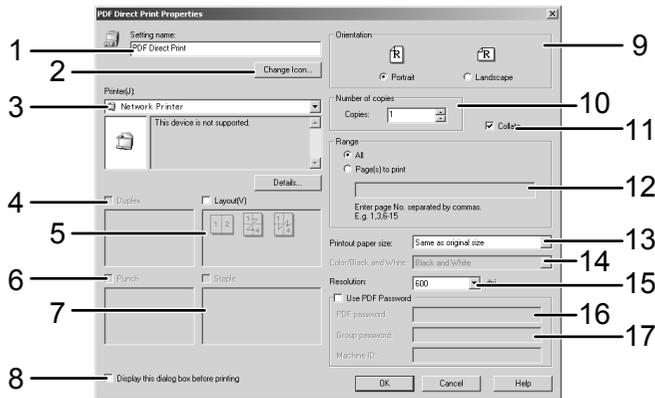
- 9** In the **[PDF password:]** box at the bottom right of the dialog box, enter the password for the PDF file you want to print, and then click **[OK]**.

The password-protected PDF file is printed.

### Note

- Before printing a password-protected PDF file, you must do one of the following:
  - 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 Desk-TopBinder Lite or the machine's control panel, the same group password must be set on the other also.

## PDF Direct Print Properties



### 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 (not selectable on this printer)

Prints on both sides of sheets.

### 5. Layout

Prints multiple pages on a single sheet.

### 6. Punch (not selectable on this printer)

Punches holes in printed output.

### 7. Staple (not selectable on this printer)

Staples printed output together.

### 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

Use to sort prints.

### 12. Range:

Specifies which paper to print.

### 13. Printout paper size:

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

### 14. Color/Black and White: (not selectable on this printer)

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

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

 **Reference**

“UNIX Commands”, UNIX Supplement

# Using the Print Job Function

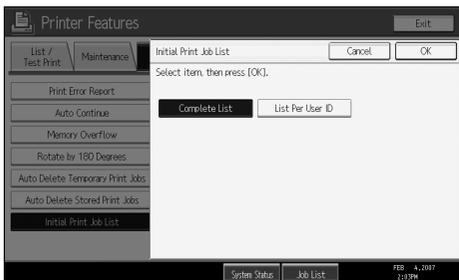
This describes how to print files stored in the machine.

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 saved in the machine which is sent from computers.

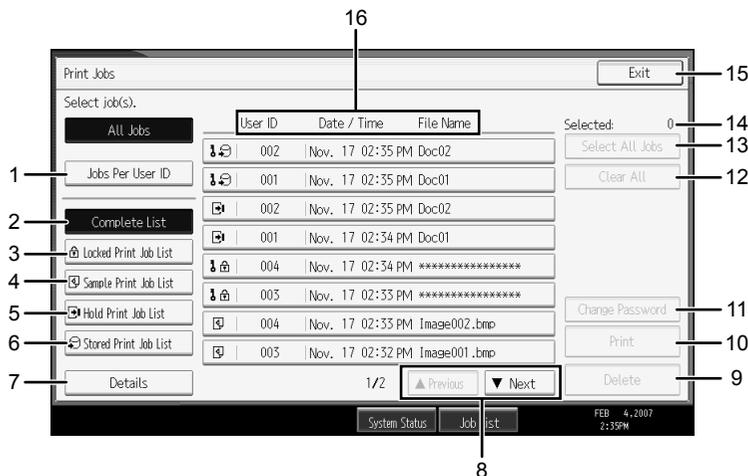
If you select Sample Print, Locked Print, and Hold Print, the print files saved in the machine are deleted after printing is completed. If you select Stored Print, the files remain in the machine even after printing is finished.

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:

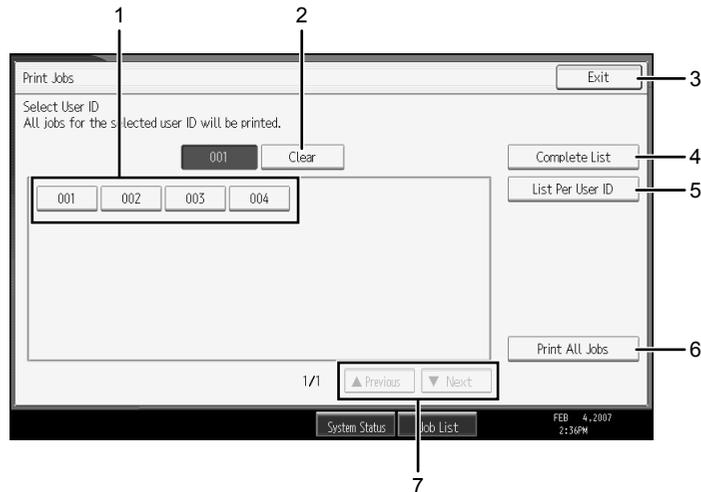


- ① **[Jobs Per User ID]**  
Displays List Per User ID.
- ② **[Complete List]**  
Displays all files stored in the machine.

- 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 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:", "File Name:"  
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:



- ① **User ID**  
Displays the User IDs who sent files to the machine.
- ② **[Clear]**  
Deselects 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 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.

 **Reference**

p.73 "Sample Print"

p.77 "Locked Print"

p.81 "Hold Print"

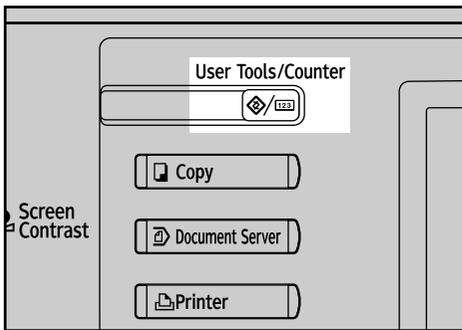
p.85 "Stored Print"

## 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.

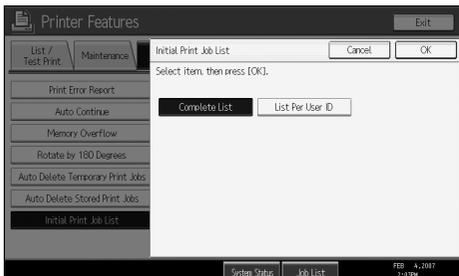


- 2 Press **[Printer Features]**.

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]**.

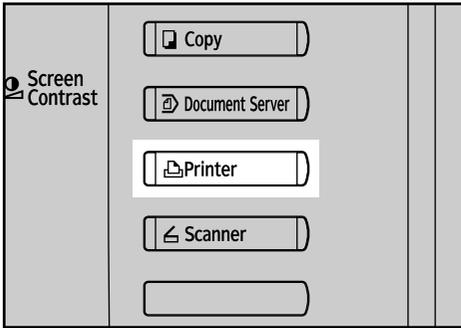


After configuring the settings, the selected type of print job list is displayed.

## Displaying a Print Job List

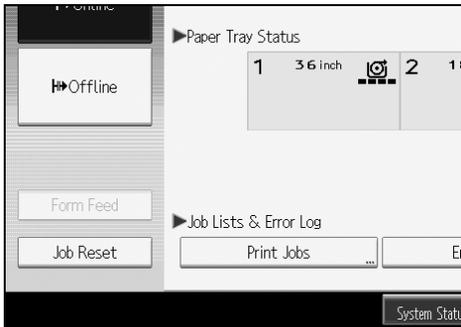
---

**1** Press the **[Printer]** key to display the printer screen.



3

**2** Press **[Print Jobs]**.



Either the Complete List or List Per User ID screen appears.

# Printing from the Print Job Screen

Explains 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 content 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.
  - sent or stored files in the machine contain over 3,000 pages in total.

### Note

- If a Sample Print file has not been stored properly, check the error log on the display 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 display 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 display panel, see "Checking the Error Log".
- For details about the **[Auto Delete Temporary Print Jobs]** and **[Auto Delete Stored Print Jobs]**, see "Printer Features", General Settings Guide.

### Reference

p.95 "Checking the Error Log"  
 "Printer Features", General Settings Guide

## Printing a Sample Print file

The following procedure describes how to print a Sample Print file with the RPCS printer driver. For information 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 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.

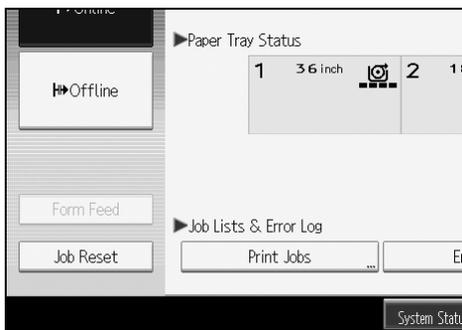
### 2 Start printing from the application's [Print] dialog box.

Make sure to set more than two copies.

The Sample Print job is sent to the machine, and the first set is printed.

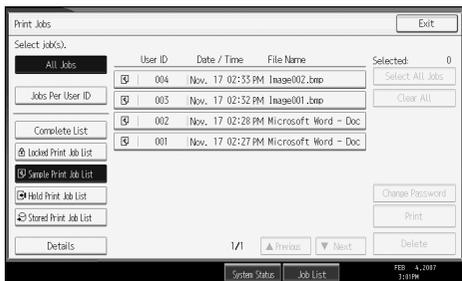
### 3 On the machine's control panel, press the [Printer] key to display the Printer screen.

### 4 Press [Print Jobs].



A list of print files stored in the machine appears.

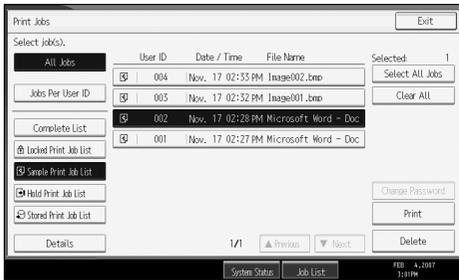
### 5 Press [Sample Print Job List].



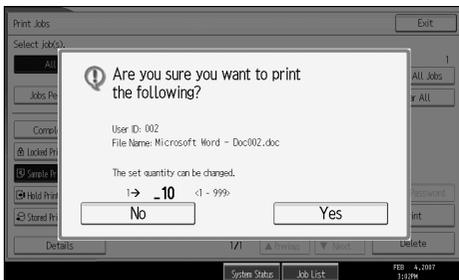
A list of Sample Print files stored in the machine appears.

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

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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.

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## 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 display 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 display 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.
  - sent or stored files in the machine contain over 3,000 pages in total.

### Note

- If a Locked Print file has not been stored properly, check the error log on the display 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 display panel, see p.95 “Checking the Error Log”.
- For details about the **[Auto Delete Temporary Print Jobs]** and **[Auto Delete Stored Print Jobs]**, see “Printer Features”, General Settings Guide.

### Reference

p.95 “Checking the Error Log”  
“Printer Features”, General Settings Guide

## Printing a Locked Print file

The following procedure describes how to print a Locked Print file with the RPCS printer driver. For information 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.

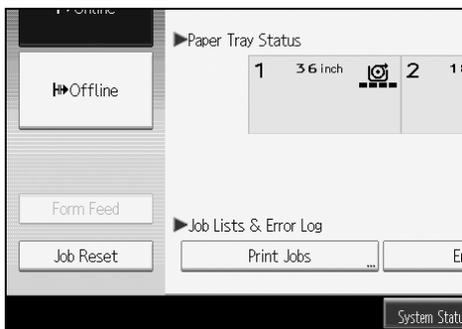
For details about configuring the printer drivers, see the corresponding Help files.

#### 2 Start printing from the application's [Print] dialog box.

The Locked Print job is sent to the machine.

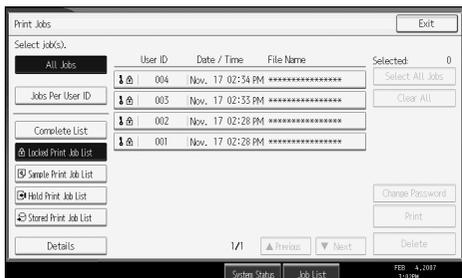
#### 3 On the machine's control panel, press the [Printer] key to display the Printer screen.

#### 4 Press [Print Jobs].



A list of print files stored in the machine appears.

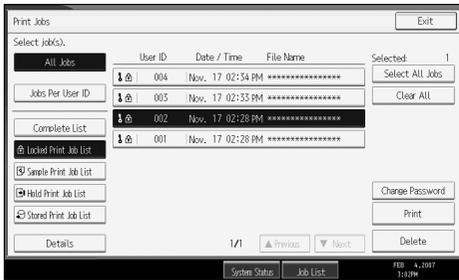
#### 5 Press [Locked Print Job List].



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 network 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 network 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.
  - sent or stored files in the machine contain over 3,000 pages in total.

### Note

- ❑ If a Hold Print file has not been stored properly, check the error log on the display 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 display panel, see p.95 “Checking the Error Log”.
- ❑ For details about the **[Auto Delete Temporary Print Jobs]** and **[Auto Delete Stored Print Jobs]**, see “Printer Features”, General Settings Guide.

### Reference

p.95 “Checking the Error Log”  
“Printer Features”, General Settings Guide

## Printing a Hold Print file

The following procedure describes how to print a Hold Print file with the RPCS printer driver. For information 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.

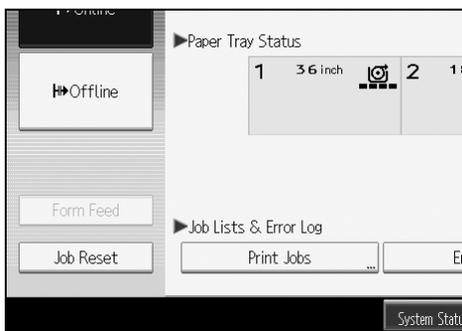
### **2** Click [Details...], and then enter a User ID in the [User ID:] box.

### **3** Start printing from the application's [Print] dialog box.

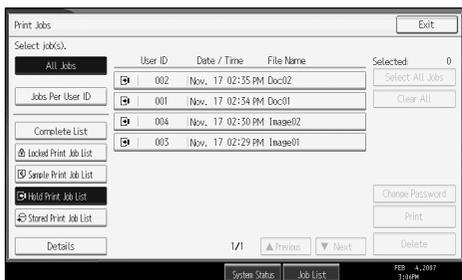
The Hold Print job is sent to the machine and stored.

### **4** On the machine's control panel, press the [Printer] key to display the printer screen.

### **5** Press [Print Jobs].



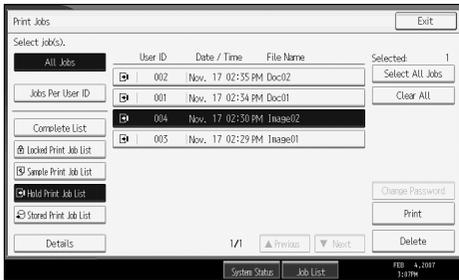
### **6** Press [Hold Print Job List].



A list of a 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 a 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.
  - sent or stored files in the machine contain over 3,000 pages in total.

### Note

- If a Stored Print file has not been stored properly, check the error log on the display 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”, General Settings Guide).
- 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 display panel, see p.95 “Checking the Error Log”.
- For details about the **[Auto Delete Temporary Print Jobs]** and **[Auto Delete Stored Print Jobs]**, see “Printer Features”, General Settings Guide.

### Reference

p.95 “Checking the Error Log”  
“Printer Features”, General Settings Guide

## Printing a Stored Print file

The following procedure describes how to print a Stored Print file with the RPCS printer driver. For information 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 print it later using the display 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.

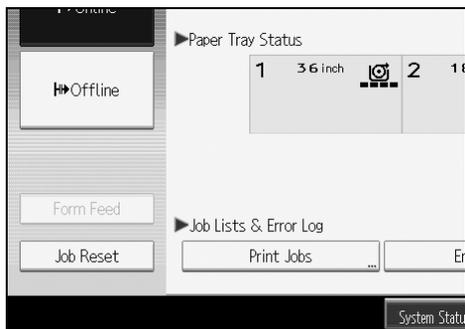
You can also set a password. The same password must be entered when printing or deleting.

### 3 Start printing from the application's [Print] dialog box.

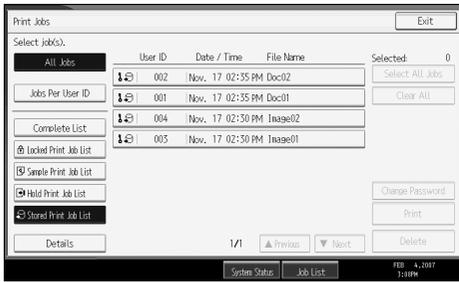
The Stored Print job is sent to the machine and stored.

### 4 On the machine's control panel, press the [Printer] key to display the Printer screen.

### 5 Press [Print Jobs].

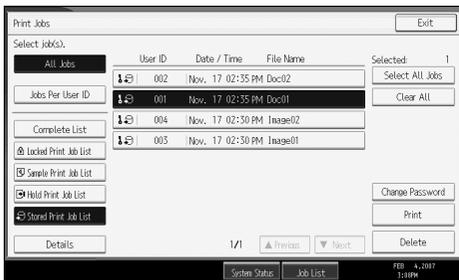


## 6 Press [Stored Print Job List].



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 forget your password, ask your network 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 “Printer Features”, General Settings Guide).
- 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.

3

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**Deleting Stored Print Files**

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**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 forget your password, ask your network 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

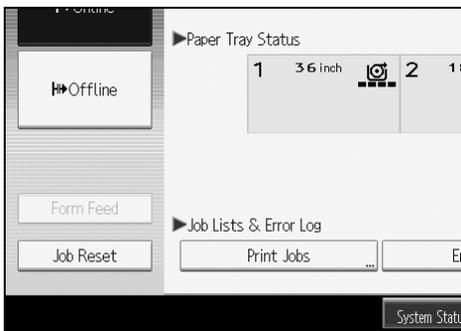
This describes how to print the files saved in the machine from the User ID screen.

## Printing the Selected Print Job

**1** Press the **[Printer]** key.

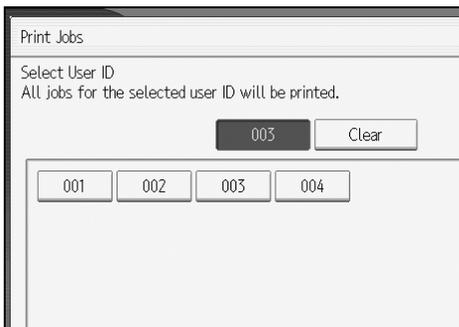
The Printer screen appears.

**2** On the Printer screen, press **[Print Jobs]**.



A list of user IDs whose files are stored in the machine appears.

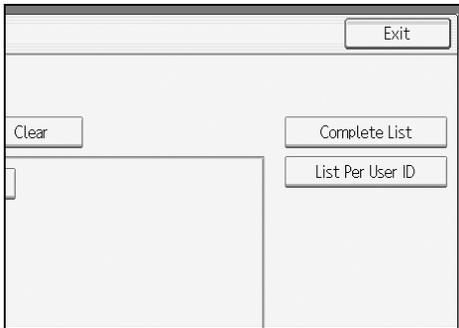
**3** Press the user ID whose file you want to print.



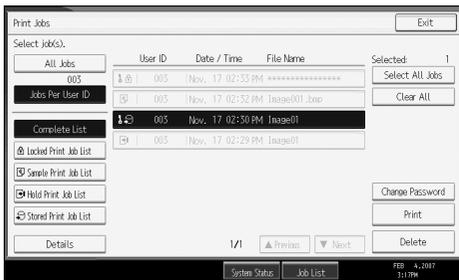
You cannot select multiple user IDs at the same time.

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**

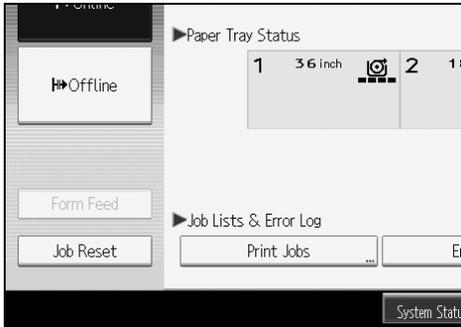
- If you select multiple files, the confirmation screen displays the total number of files to be printed.

## Printing All Print Jobs

### 1 Press the [Printer] key.

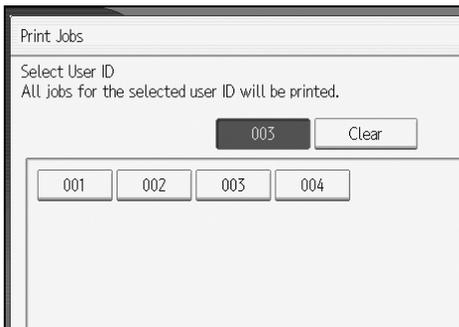
The Printer screen appears.

### 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.

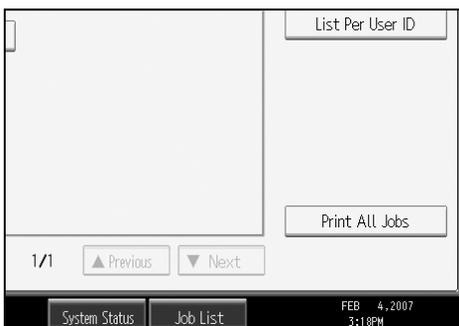


You cannot select multiple user IDs at the same time.

Press [▲Previous] or [▼Next] to scroll through the list.

Press [Clear] to cancel a selection.

### 4 Press [Print All Jobs].



If the selected user ID has multiple types of print jobs, the selection screen of the print job type appears.

### 5 Select the desired print job type, and then press [OK].



3 The confirmation screen appears.

The confirmation screen does not appear if the selected ID has only one type of print job.

### 6 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 a password is set for them, a password confirmation screen for the password appears. If multiple password types are specified for the Stored Print files, 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.

# Canceling a Print Job

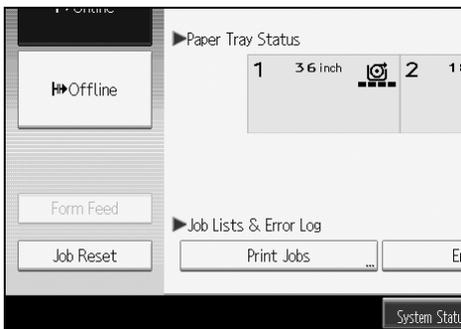
This section gives instruction to stop printing from the computer or the display panel.

## 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]** or **[Reset All Jobs]**.



- **[Reset the Job]**: cancels the print job currently being processed.
- **[Reset All Jobs]**: cancels all jobs in the print queue.
- **[Resume Printing]**: resumes printing print jobs.

A confirmation message appears.

**4** Press **[Yes]** to cancel the print job.

Press **[No]** to return to the previous display.

---

## Windows - Canceling a Print Job from the Computer

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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 job.
- If the machine is connected to the computer using a parallel cable, sent print jobs may be canceled if [Reset All Jobs] is pressed while "Waiting..." is on the display panel. After the interval set in [I/O Timeout] in Printer Features has passed, the next print job can be sent. A print job sent from a different client computer will not be canceled in this case.
- Under Windows XP, Windows Server 2003, or Windows NT 4.0, click [Cancel] on the [Document] menu.
- Under Windows 95 / 98 / Me / 2000 or Windows NT 4.0, you can also open the print job queue window by double-clicking the machine icon in the [Printers] machine window (the [Printers and Faxes] window under Windows XP and Windows Server 2003).
- 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.

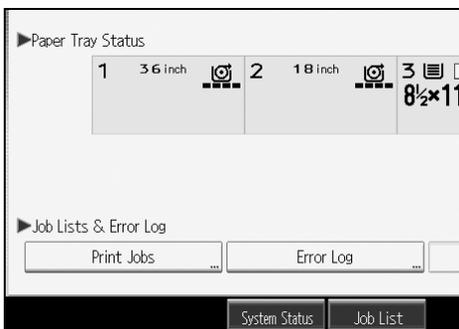
- Sample Print
- Locked Print
- Hold Print
- Stored Print

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`, and `smb`, Spool Printing cannot be performed.

## ❖ Setting Spool Printing

Spool Printing can be set using telnet or Web Image Monitor.

- Using Web Image Monitor  
See Network Guide or Help for more information.
- Using telnet  
Type in “spoolsw spool on” to set Spool Printing.  
See Network Guide for more information about telnet.

## ❖ Viewing a list of spool jobs on the display panel

If Spool Printing is set, a list of spooled jobs can be viewed on the display 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 more information, see Network 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.

# Printing with the Folding Finisher

You can fold printed paper by installing the optional folding finisher. Be sure to observe the following precautions when using the optional folding 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 combined printing (layout).
- If you are feeding paper from the bypass tray, you cannot use the folding finisher function.

## ❖ Connecting to the optional folding finisher unit

You cannot use the optional folding finisher unit under the following conditions or settings:

- The optional folding finisher unit is not attached to this machine.
- The bypass tray is selected for the feeding tray.
- The paper size and orientation is not properly set.
- **[Film]** and **[Translucent Paper]** is selected for the paper type.
- The Folding Finisher Tray is not selected as the paper output tray.
- The **[Normal Print]** is not selected as the printing method.

## Note

- Depending on the application, print settings may not be enabled and printed output may not be as expected.
- When setting 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.

## Reference

p.49 "If Bidirectional Communication Is Disabled"  
"Removing Jammed Paper", Trouble Shooting  
The printer driver Help

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## Fold Types

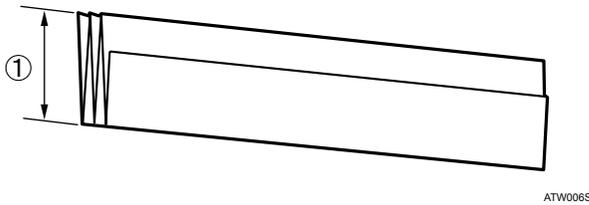
---

This section explains fold types to take when using the folding finisher.

You can select **[Fan Fold]** and **[Do not fold]** on. Types of fold are as follows:

### ❖ Fan Fold

Alternating folds are applied horizontally relative to the paper direction. The following fold widths can be selected: 140, 170, 210, and 297 mm ( $8\frac{1}{2}$ , 9, 11, and 12 inches).



①: fold width

### ❖ No Fold (Straight output)

No folding is applied to sheets that are output from the Folding Finisher Tray.

## Folding Finisher Cautions

This section explains about the fold precautions.

### ❖ Folding type and orientation

Fold Type	Paper Size
Fan Fold	A0  , B1  , A1  , B2  , A2  , B3  , A3  , B4  Custom Size: approximately 210 - 914.4 mm (8.27 - 36 inches) in width, and 279.4 - 15,000 mm (11 - 590.55 inches) in length.
Not Fold	A0  , B1  , A1  , B2  , A2  , B3  , A3  , B4  , A4  Custom Size: approximately 210 - 914.4 mm (8.27 - 36 inches) in width, and 279.4 - 15,000 mm (11 - 590.55 inches) in length.

### ❖ When the folding is cancelled

- When the output is from the bypass tray
- When the folding type and orientation is not properly set.
- When a paper type that cannot be folded is selected.
- When the Folding Finisher Tray is not selected for the paper output tray.
- When **[Normal Print]** is not selected for the printing method.
- When less than 320 mm is specified for the length of the fan fold paper.

### Note

- If the optional folding finisher is connected but the fold settings are incorrect, you might not be able to make settings for the optional device using the printer driver.
- Printing starts only after jobs from other functions (such as the copier) that are using the folding finisher have finished.
- Depending on the application you are using, printer settings might not be applied and printing might not be as required.

# 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 printer memory or hard disk drive. The following are the two 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.
- 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.

## Note

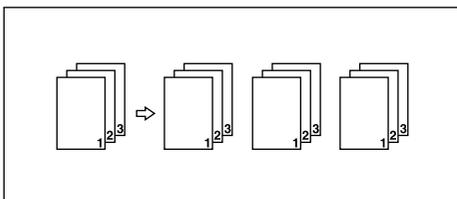
- Set Collate and Rotating collate when using the RPCS printer driver.
- Follow the procedure below when using a printer driver other than the RPCS:
  - Set Collate and Rotating Collate in the printer driver.
  - If you cannot make Shift Collate even with the optional finisher installed, options may not be set up correctly in the printer driver. Correct the printer driver's option settings.
  - For details, see the printer driver Help.

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## Collate

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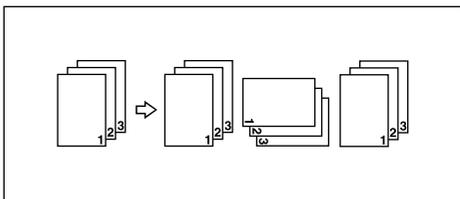
Printed output is assembled as sets in sequential order.



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## Rotating Collate

Every other print set is rotated by 90 degrees.



3

### Important

- 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 Rotate Collate is cancelled

If the following functions are selected, Collate or Shift Collate will be applied even if Rotating Collate is selected:

- If jobs containing pages of various sizes are set.
- When output tray is specified.
- If custom size paper is set.

### 📝 Note

- When Rotating Collate has been selected, printing speed will be slower than with other collate functions.

# 4. Printing GL/2 and TIFF Files

## Printable Files

This machine can print GL/2 and TIFF/CALS files.

### ❖ GL/2

Complies with the Pen Plotter command set HP-GL (Hewlett Packard's Graphics Language), the Raster Plotter command set HP-GL/2 (Hewlett Packard's Graphics Language Standard), and HP-RTL (HP's Raster Transfer Language) developed by HP (Hewlett Packard).

HP-GL emulates the HP-GL commands of HP7550A.

HP-GL/2 and HP-RTL emulate the HP-GL/2 commands of HP DesignJet 600.

You can print from CAD applications that use HP-GL and HP-GL/2 commands.

### Note

For details about specification of printable files, see "Printable GL/2 Files".

### Reference

p.122 "Printable GL/2 Files"

### ❖ TIFF/CALS

Print TIFF (Tagged Image File Format) format bitmap files from UNIX workstations and DOS/V computers.

TIFF/CALS files are rasterized by the machine. "Rasterization" refers to the process of printing dot by dot from the bitmap image. This process does not require a printer driver so printing can be set from either the machine or the Web browser.

### Note

You can print GL/2 and TIFF/CALS files using PostScript 3.

For details about specification of printable files, see "Printable TIFF Files", or "Printable CALS Files".

### Reference

p.132 "Printable TIFF Files"

p.136 "Printable CALS Files"

# To Print

The print settings made by other supplier's GL/2 and HDI drivers cannot be inherited.

When printing from GL/2 & TIFF Filter, "Auto Paper Select" becomes disabled, and a paper size different to that specified in the data might be requested.

If you print a black and white (monochrome) image at a resolution that the machine does not support, the print image might contain streaks or moiré patterns.

Follow the procedures below to print GL/2 and TIFF/CALS files from the machine.

- Using Web Printing Tool  
GL/2 and TIFF/CALS files
- Using HDI Driver  
GL/2 files
- Using the printing commands  
GL/2 and TIFF/CALS files

## Note

For details about print commands, see Network Guide.

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## Using Web Printing Tool

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### About Web Printing Tool

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Web Printing Tool allows you to print files, make print settings, and acquire system logs, via a Web browser.

Recommended Web browsers are as follows:

- Windows:  
Microsoft Internet Explorer 6.0.28 or a later version  
FireFox 1.5.0 or a later version
- Macintosh:  
Safari 2.0 or a later version  
FireFox 1.5.0 or a later version

### ❖ Java applet

Web Printing Tool requires Java Runtime Environment. Download it from the following web site:

**<http://www.java.com/>**

- About the certificate
  - If you start Web Printing Tool, a dialog box about issuing the certificate appears. Click **[Run]**.
  - Select the **[Always trust content from this publisher.]** check box. No warning will be shown after starting Web Printing Tool.
  - If you click **[Cancel]**, Web Printing Tool will not start. Close the Web browser, and then restart Web Printing Tool.
- The certificate becomes effective after the **[Security]** setting under **[Advanced]** on the Java control panel is set as follows:
  - Allow user to grant permissions to signed content
  - Allow user to grant permissions to content from an untrusted authority
- The default Java Runtime setting is effective.
- Compatible languages:  
Web Printing Tool does not change the language settings of this machine. If necessary, change the language using the Web browser.

#### **Note**

- Make the JavaScript, and Java applet following settings (required):
  - Enable JavaScript.
  - Install Java Runtime Environment (JRE 1.5 or later version.) and enable applet.
  - Pop up blocking may not be set, depending on the Web browser you are using. If this is the case, the Help file will not be properly displayed.
- If you are using a proxy server, change the Web browser settings. Contact your administrator for information about the settings.
- We recommend using Web Printing Tool in the same network.
- You cannot access to the machine from outside the firewall.
- When using the machine under DHCP, the IP address may be automatically changed by the DHCP server settings. Enable DDNS setting on the machine, and then connect using the machine's host name.
- Alternatively, set a static IP address to the DHCP server.
- When you are using Firefox, fonts and colors may be different, or tables may be out of shape.
- When using a host name under Windows Server 2003 with IPv6 protocol, perform host name resolution using an external DNS server. The host file cannot be used.

## Displaying top page

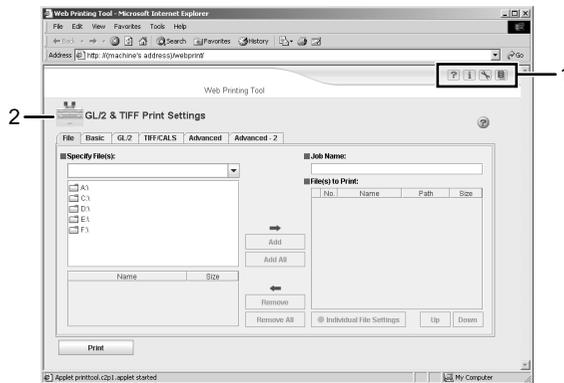
This section explains the how to display Web Printing Tool.

**1** Start your Web browser.

**2** Enter “http://(machine's address)/webprint/” in the address bar of a Web browser.

Top Page of Web Printing Tool appears.

If the machine's host name has been registered on the DNS or WINS server, you can enter it.



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### 1. Header area

The area at the top of the Web Printing Tool page is called the header area. The following items appear in the header area.



**[Help]** button

Click to display Help.



**[Version Information]** button

Click to display Web Printing Tool version information.



**[GL/2 & TIFF Initial Configuration]** button  
Click to display the **[GL/2 & TIFF Initial Configuration]** page.



**[System Log]** button

Click to display the **[System Log]** page.

### 2. GL/2 & TIFF Print Settings

The area at the top of the Web Printing Tool page is the GL/2 & TIFF Print Settings area.

 **Note**

- To open the **[GL/2 & TIFF Initial Configuration]** or **[System Log]** page, you must enter the administrator password.
- For details, see Web Printing Tool's Help.

 **Reference**

p.107 “How to use help”

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## Basic operations of Web Printing Tool

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**1** In the menu area to the left, click the menu item corresponding to the function you want to know about.

The page for the selected menu item appears in the work area to the right.

**2** Use the displayed page to make settings for printing.

4

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## About password authentication

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- The password authentication is required to display the **[GL/2 & TIFF Initial Configuration]** page or **[System Log]** page.
- Click the link in the header area. Enter the password in the authentication dialog box that appears.
- If you enter an invalid password, authentication fails and an error message appears. Click **[OK]** in the message box, and then enter the password again. If you enter an invalid password three times, the top page of Web Printing Tool appears. Click the link in the header area to attempt authentication again.
- Password authentication is effective until the **[GL/2 & TIFF Initial Configuration]** page or **[System Log]** page is closed.
- You can use either Web Printing Tool or the control panel to set GL/2 & TIFF Initial Configuration. The settings are the same for both Web Printing Tool and the control panel.

 **Note**

- For details about the login password, see Security Reference.

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## How to use help

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While using Web Printing Tool, you can view explanations about operations of the currently displayed page and the meaning of individual settings and items.

- To view Help top page: click the  button in the header area.
- To view Web Printing Tool Help page: click the  button in GL/2 & TIFF Print Settings area.
- To close Help: click the **[Close]** button inside the Help window.

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## Using From HDI Driver

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### Reference

p.117 "Using the HDI Driver for AutoCAD"

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## Using From the Printing Commands

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The following explains printing operations using the "lpr", "rcp", and "ftp" commands.

### Note

- Match the data format of the file to be printed with the emulation mode of the printer.
  - If the message "print requests full" appears, no print jobs can be accepted. Try again when sessions end. For each command, the amount of possible sessions is indicated as follows:
    - lpr: 5 (When the spool printing function is available: 10)
    - rcp, rsh: 5
    - ftp: 3
  - Enter the file name in a format including the path from the directory executing commands.
- 

### lpr

---

#### ❖ When specifying a printer by IP address

```
c:> lpr -Sprinter's IP address [-ol] \pass name\file name
```

#### ❖ When using a host name instead of an IP address

```
c:> lpr -Sprinter's host name [-ol] \pass name\file name
```

When printing a binary file, add the "-ol" option (lowercase O, and lowercase L).

When using a printer with the host name "host" to print a PostScript file named "file 1" located in the "C:PRINT" directory, the command line is as follows:

```
c:> lpr -Shost -Pfiletype=RPS -ol C:\PRINT\file1
```

---

## rcp

---

First, register the printer's host name in the hosts file.

```
c:> rcp [-b] \pass name\file name [pass name\file name...]
printer's host name:
```

When using a printer with the host name "host" to print a file named "file 1" or "file 2" located in the "C:PRINT" directory, the command line is as follows:

```
c:> rcp -b C:\PRINT\file1 C:\PRINT\file2 host:
```

### Note

- In file names, "\*" and "?" can be used as wild cards.
- When printing a binary file, add the "-b" option.
- For details about a host name instead of an IPv4 address, see Network Guide.

---

## ftp

---

Use the "put" or "mput" command according to the number of files to be printed.

### ❖ When one file is printed

```
ftp> put \pass name\file name
```

### ❖ When multiple files are printed

```
ftp> mput \pass name\file name [\pass name\file name...]
```

Follow the procedure below to print using the "ftp" command.

- 1** Formulate the printer's IP address or the host name of the hosts file printer as an argument and use the "ftp" command.

```
% ftp printer's IP address
```

- 2** Enter the user name and password, and then press the [Enter] key.

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

```
User:
```

```
Password:
```

When user authentication is set, enter a login user name and password.

- 3** When printing a binary file, set the file mode to binary.

```
ftp> bin
```

When printing a binary file in ASCII mode, print may not come out correctly.

**4** Specify files to be printed.

The following shows the examples of printing a file named “file 1” in the “C:PRINT” directory and printing file 1 and file 2.

```
ftp> put C:\PRINT\file1
```

```
ftp> mput C:\PRINT\file1 C:\PRINT\file2
```

**5** Quit ftp.

```
ftp> bye
```

 **Note**

- “=”, “;”, “\_”, and “;” cannot be used for filenames. File names will be read as option strings.
- For “mput” command, option can not be defined.
- For “mput” command, “\*” and “?” can be used as wild cards in file names.
- When printing a binary file in ASCII mode, print may not come out correctly.

# Print Settings for GL/2 & TIFF Filter

This section explains the GL/2 & TIFF Filter settings that you can set using the control panel. GL/2 & TIFF Filter settings are applied to GL/2 and TIFF files printed from Web Printing Tool and the printing commands.

## ❖ Priority of Settings

- Settings changed using the control panel take priority.
- You cannot change GL/2 & TIFF Filter initial configuration made using Web Printing Tool, if the setting was changed using the control panel and is currently in effect.
- GL/2 & TIFF Filter is ineffective during the printing of GL/2 files using the HDI driver. Settings made using an application have priority over GL/2 & TIFF Filter settings.

### Note

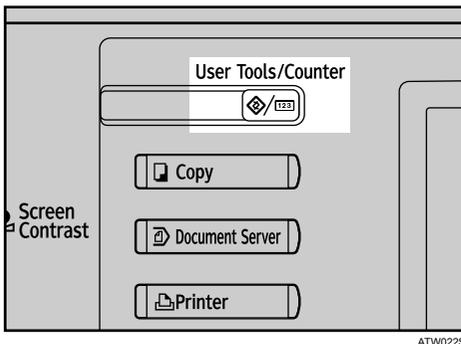
- The settings are the same for both Web Printing Tool and the control panel.
- For details about making settings using Web Printing Tool, see Web Printing Tool Help.

---

## Adjusting the Print Settings for GL/2 & TIFF Filter

---

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



- 2** Press [Extended Feature Settings].

- 3** Press [GL/2 & TIFF].

**4** Press the setting you want to make.

- General Settings  
Can be applied regardless of data format.
- GL/2 Print Settings  
Can be applied to GL/GL2 data only.
- TIFF/CALS Print Settings  
Can be applied to TIFF/CALS data only.

**5** Configure the settings.

**6** When you have finished making settings, press [Exit].

Print Settings for GL/2 & TIFF is displayed.

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

The initial screen appears.

---

## General Settings

---

Specify basic print settings.

### ❖ Paper Tray Setting

Select which input tray to use for printing. If you select “Auto Paper Select” the machine automatically selects an input tray based on the paper size and type specified by the job.

### ❖ Margin Tolerance

Specify an area of allowance for the gap between the print area and the paper size when using “Auto Paper Select”.

### ❖ Output Exit

Specify the output tray for printed paper.

### ❖ Auto Tray Switching

Enables the machine to switch automatically from an emptied paper tray to another tray that contains the same size, orientation, and type of paper, without interrupting the job.

### ❖ Paper Type

Select a paper type.

### ❖ Cut Method

Select the paper cut method. When roll paper is selected for input tray, the cut method is enabled.

- Preset Cut  
Cuts the roll paper to a standard size that fits the width of the print area. If there is no appropriate standard size (for data such as long plots, etc.), Synchro Cut is applied.
- Synchro Cut  
Cuts the roll paper to the length of the print area.

### ❖ Reduce / Enlarge

Specify a scaling mode to reduce or enlarge the print size of documents.

### ❖ Magnification Ratio

Specify the ratio when Magnification Ratio is selected for “Reduce / Enlarge”.

### ❖ Directional Magnification mm

Specify the vertical and horizontal value when Magnification Ratio is selected for “Reduce / Enlarge”.

❖ **Margin Adjustment**

Specify the inside margin around the originals (0 to 100 mm in 1 mm increments).

❖ **Extraction**

Specify whether to uncompress and extract compressed job data before printing it. Selecting this option reduces print errors due to corrupted archives, but slows the print process slightly.

❖ **Mirror Image**

Prints images with left and right reversed.

❖ **Positive / Negative**

Prints images with black and white inverted.

4

❖ **Dithering**

Select a dither pattern appropriate for the print image.

 **Note**

If you select **[Auto]**, **[DTP]**, or **[Photograph]** for this setting, the image is printed using **[Photograph]**.

❖ **Original Ratio Fine Adjustment: Horizontal**

Adjusts the horizontal size difference between original data and printed image for scaled drawings that must be accurately printed. The ratio range is 99.0-101.0%, which you can adjust in increments of 0.01%.

❖ **Original Ratio Fine Adjustment: Vertical**

Adjusts the vertical size difference between original data and printed image for scaled drawings that must be accurately printed. The ratio range is 99.0-101.0%, which you can adjust in increments of 0.01%.

❖ **Paper Folding**

If the folding finisher is installed, select a paper folding method.

---

## GL/2 Print Settings

---

Specify print settings of HP-GL and HP-GL/2 data.

❖ **Hard Clip**

Enables and disables output hard clip limits given by PS commands. If “Off” is selected, the actual drawing area will be the printed area.

❖ **Centering**

Print images at the center of the hard clip area.

❖ **SP Command**

Specify whether to eject paper at receipt of “SP;” and “SP0;” command.

❖ **Transparency Mode**

Specify the transparent processing mode by MC command and TR command.

- Always Active  
Always activates MC/TR commands in HP-GL2 data come into effect.
- Use File Defaults  
Follows MC/TR commands in HP-GL2 data.
- Always Inactive  
Ignores MC/TR commands in HP-GL2 data forcibly.

❖ **Source Transparency Mode**

Specify the transparent processing method by “Source Transparency Mode (ESC\*v#N)”.

- Always Active  
Always activates ESC\*v#N commands in RTL data come into effect.
- Use File Defaults  
Follows ESC\*v#N commands in RTL data.
- Always Inactive  
Ignores ESC\*v#N commands in RTL data forcibly.

❖ **Adjust X Offset**

Specify X-axis offset for origin of the drawing area in 1 mm increments within the range between -199 and 199 mm.

❖ **Adjust Y Offset**

Specify Y-axis offset for origin of the drawing area in 1 mm increments within the range between -199 and 199 mm.

❖ **Brightness**

Adjust brightness for RGB-color and grayscale image data. Higher brightness value lightens the entire image while lower brightness value darkens the image.

❖ **Pen Width**

Select whether to use file defaults settings, or to specify width for each pen.

❖ **Pen Density**

Select whether to use file defaults settings, or to specify density for each pen.

❖ **Pen 0 Custom Settings - Pen 15 Custom Settings**

Specify width and/or density for each pen when the "Use File Defaults" option is selected. Pen Width can be selected from the list of 0.00 - 12.00 mm in 0.01 mm increments, however actual width of printed image could be slightly different from the specified width because lines are printed in dots. Pen Density can be specified in 10% increments within the range between 0 and 100%.

4

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## TIFF/CALS Print Settings

---

Specify print settings of TIFF and CALS data.

❖ **Centering**

Print drawing area at the center of the paper.

❖ **Adjust X Offset**

Specify X-axis offset for origin of the drawing area in 1 mm increments within the range between -199 and 199 mm.

❖ **Adjust Y Offset**

Specify Y-axis offset for origin of the drawing area in 1 mm increments within the range between -199 and 199 mm.

❖ **Brightness**

Adjust brightness for RGB-color and grayscale image data. Higher brightness value lightens the entire image while lower brightness value darkens the image.

# Using the HDI Driver for AutoCAD

You cannot use the HDI driver to select the orientation (portrait or landscape) of paper on the bypass tray.

If you use the HDI driver to print onto standard size paper, alert messages will not appear, even if the paper orientation set in the print data does not match the orientation of the paper in the tray.

---

## Setup CD-ROM

---

The HDI driver for the AutoCAD 2000 series is provided to work specifically with the AutoCAD 2000 series of CAD applications.

Using the HDI driver reduces data size during print out, enabling faster print out.

Also, the HDI driver is specially designed for use in environments where AutoCAD 2000 applications are running.

### Important

- If you are already using a printer of the same maker, you cannot use different HDI drivers simultaneously.
- If you still want to install the HDI driver, delete the older HDI driver. To use the HDI driver, you must install it beforehand. The HDI driver is stored on the CD-ROM provided with the machine.

### Note

- The Installation CD-ROM contains a Readme file that you must read. It contains important information about the HDI driver and notes on using the application.
- The Readme file is in the “Installation Disk” folder on the Installation CD-ROM.
- This section assumes the user has full knowledge of Windows functions and procedures. For details about Windows, see the Windows manual.
- This section assumes the machine is connected to the single computer. The screens you see on your machine might not be the same as those shown in this manual, depending on the environment you are using.
- The “Driver” folder contains folders other than the “HDI” folders. This emulation can only use HDI and printer drivers that are stored in the “HDI” folders.

---

### CD-ROM Folders

---

The CD-ROM contains following folders and files:

DRIVERS	HDI	AC2000
		AC2000i
		AC2002
		AC2004
		AC2007

Contains HDI drivers for AutoCAD applications and the Readme files.

## Installing the HDI Driver

The following explains how to install the HDI driver under Windows 2000. All the procedures are the same for Windows 95/98/Me, Windows XP, Windows Server 2003, and Windows NT 4.0.

### Important

- AutoCAD applications must be installed before you install the HDI driver.
- This section explains installation using AutoCAD 2007.
- Quit all applications currently running before beginning the HDI driver installation.

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

The installer starts.

### **2** On the [Start] menu, point to [Settings], and then click [Control Panel].

### **3** Double-click [Autodesk Plotter Manager].

[Autodesk Plotter Manager] appears only if there is the AutoCAD 2000 series application already installed.

### **4** Double-click [Add-A-Plotter Wizard].

### **5** Click [Next >].

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

### **7** Click [Have Disk].

### **8** Select [CD-ROM] in [My Computer].

Check that the CD-ROM provided with the machine is shown.

### **9** Double-click [DRIVERS], and then double-click [HDI].

### **10** Click the file that matches the AutoCAD application you want to use.

AC2000: AutoCAD 2000/AutoCAD LT2000

AC2000i: AutoCAD 2000i/AutoCAD LT2000i

AC2002: AutoCAD 2002/AutoCAD LT2002

AC2004: AutoCAD 2004/AutoCAD LT2004/AutoCAD 2005/  
AutoCAD LT2005/AutoCAD 2006/AutoCAD LT2006

AC2007: AutoCAD 2007/AutoCAD LT2007

Check the driver you selected matches the AutoCAD version you want to use. If they do not match, an error screen appears. See the HDI driver's Readme if this occurs.

- 11** Select the driver you want to install, and then click **[Open]**.
- 12** In “Manufacturers”, select the manufacturer. Then, in “Models”, select the printer driver. Then click **[Next >]**.
- 13** Click **[Next >]**.
- 14** Select **[Port]**, then select the port you want to use, and then click **[Next >]**.
- 15** Confirm the plotter name you want to use is selected, and then click **[Next >]**.

Installation is complete. If the installation is successful, the HDI driver is added to the **[AutoDesk Plotter Settings (Plotter window)]** window, and it can be selected from **[Printing Devices]** during printing. For details about screens and printing procedures, see the online Help. To display the online Help, click **[Help]** on the printer driver screen.

- 16** Click **[Finish]**.

---

## Displaying and Printing Help

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### Displaying Help

---

This section explains installation using AutoCAD 2007.

- 1** On the **[File]** menu, click **[Plot...]**.  
The **[Plot...]** dialog box appears.
- 2** Check the HDI driver you want to use appears in the **[Name:]** list in the “Printer/plotter” area, and then click **[Properties...]**.
- 3** Click **[Custom Properties]** on the **[Device and Document Settings]** tab.  
The **[Custom Properties]** button appears under the screen.
- 4** Click **[Custom Properties...]**.
- 5** The Help screen appears if you click **[Help]**.

---

### Printing Help

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#### ❖ **Printing by Book**

If you select the book icon, you can print several topics at once.  
Select the book icon in the **[Help Topics]** dialog box, and then click **[Print...]**.

#### ❖ **Printing by Topic**

There are two methods of printing by topic:

- Select the topic icon in the **[Help Topics]** dialog box, and then click **[Print...]**.
- Display the topic you want to print, and then click **[Print...]**.

# Printable GL/2 Files

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## HP-GL Specifications

---

The GL/2 and TIFF filter modules that are included in GL/2 and TIFF filter products emulate the HP-GL commands of HP7550A. However, the command syntax differs (as shown below) according to the settings of the GL/2 and TIFF modules.

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### HP-GL command syntax

---

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The syntax of HP-GL commands is as follows: a section containing two alphabetical characters, a parameter section (certain commands only), and a terminator section.

If you specify multiple parameters at the end, a separator must be inserted between each parameter.

The HP-GL/2 filter can use the separators and terminators shown below.

Syntax Elements	Format and Range
Separator	comma or space
Terminator	; or LF or another command
Integer parameter	-999999999 to +999999999
Real number parameter	-999999999.999999999 to +999999999.999999999

---

### Plotter setup commands

---

The HP-GL/2 filter does not support the following plotter setup command and will ignore it if it is included:

Command	Description
GM	Changes buffer sizes, but not the size of the input or output buffer.

---

### Commands for plotting Circles, Ovals, and Multiple Shapes

---

The HP-GL/2 filter does not support the following Circles/Ovals/Multiple Shapes plotting commands and will ignore them if they are included:

Command	Description
UF	Specifies the fill pattern at parallel interval.
PT	Specifies the overprint interval.

---

## Commands for plotting basic characters

---

The HP-GL/2 filter does not support the following basic character plotting commands and will ignore them if they are included:

Command	Description
DU	Uses the user unit to specify the character plotting direction.
SU	Uses the user unit to specify the character size.
BL	Stores character strings for labeling in the label buffer.
OL	Obtains information from output capable character strings in the buffer.
IC	Obtains the location of certain ASCII character inside the NCP cell.
OB	Outputs the co-ordinates of the upper right and lower left corners around the character on receipt of this command.
LE	Uses the 7240/7245 plotter to underline or change the character width under character set 20 to 28.
PB	Plots the content of the label buffer.

---

## Commands for extended character sets

---

The HP-GL/2 filter supports the following character sets: Standard ASCII (0); kanji (101); and 8, 18, and 43 (katakana). The HP-GL/2 filter does not support the commands for multiple character sets and making optional characters:

Command	Description
CM	Specifies modes for selecting the character set and using it.
DS	Specifies the character set selected by parameter at the character slot.
IV	Calls up the character slot (G0 - G3) on the right half (GR) or left half (GL) of the code table.
CC	Specifies smoothness of characters when the character set when a character set between 10 to 19 and 40 to 49 is selected.
UC	Plots symbols not defined in the character set.

---

## Commands for changing the plotting domain

---

The HP-GL/2 filter does not support the following commands for changing the plotting domain according to the HP plotter and will ignore them if they are included:

Command	Description
OW	Enables the left down and right down coordinates of the window to be output.

## Plotter control commands

The HP-GL/2 filter does not support the following commands for plotter control according to the HP plotter and will ignore them if they are included:

Command	Description
AP	Specifies the automatic pen function.
FS	Specifies the pen pressure.
AS	Specifies the pen acceleration.
VS	Specifies the maximum speed when the pen is lowered.
VA	Automatically adjusts the speed of the pen when it is lowered to the speed at which the computer sends the coordinates.
VN	Used when disabling the VA command.
GP	Used when collecting pens of the same type and color into one group.
SG	Selects the group specified by the GP command.
CV	Controls the curve line generator.
AF	Feeds paper only when something is being plotted on the current paper.
AH	Feeds half of the paper only when something is being plotted on the current paper.
EC	Controls the paper cut function.
NR	Puts the plotter into the "NOT READY" state.
BF	Stores the HP-GL command following this command to the re-plot buffer until the RP command is received.
RP	Re-plots data using the data in the re-plot buffer.
WD	Displays messages on the plotter's front panel LCD, and applies the plotter's keyboard mode.
KY	Assigns the programmed status to the plotter's front panel function key.
OK	Enables the number of the first pressed front panel function key to be output.
GC	Specifies the group count number used in response to the OG command.
OG	Enables the current group account information to be output.
BP	Sounds the plotter's beeper.

---

## Digitization commands

---

The HP-GL/2 filter does not support the following digitization related commands and will ignore them if they are included:

Command	Description
DP	Sets the plotter to digitize mode.
OD	Enables the last co-ordinates of digitized positions and the pen state preceding this command to be output.
DC	Cancels digitize mode.

---

## Commands for obtaining plotter information

---

The HP-GL/2 filter does not support the following commands for obtaining information from the plotter and will ignore them if they are included:

Commands	Description
IM	Sets conditions for notifying the host computer of HP-GL errors.
OA	Enables the pen's coordinates to be output.
OC	Enables the co-ordinates and condition of the pen during the last effective command to be output.
RC	Enables the cursor's coordinates and status to be output.
OE	Enables the value of the initial error made before this command was executed to be output.
OF	Enables the value of the plotter unit by 1 mm at each coordinate to be output.
OI	Enables the character strings that distinguish each plotter to be output.
OO	Enables the eight option parameters to be output.
OS	Enables the plotter's status to be output in decimal form.
OT	Enables the carousel's shape and operating conditions of the stool to be output.

## Line attribute commands

The HP-GL/2 filter does not support the following attributes for the line attribute setting commands and will ignore them if they are included:

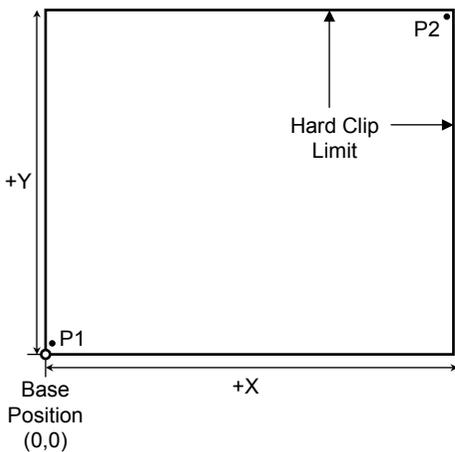
Attribute	Specification
End of the line Triangle (Value: 3)	Makes the ends of lines rounded.
Line joint (Type: 2) Triangle Joint (Value: 3)	Makes joints circular.

## HP-GL/2 filter coordinates

4

Like other HP plotters, the HP-GL/2 plots using single 0.025 mm units. When plotting on paper however, the printer's or plotter's resolution determines the plot units.

The following explanation covers the HP-GL/2 filter's start coordinates, plotting origin, and scaling point.



ATW0115

The HP-GL/2 filter uses the initial coordinates, plotting origin, and scaling point to begin processing input data. Input data that has minus coordinates and originates from other than the bottom left area (P1) or the hard clip limit (the PS command-specified area) is shifted by the minimum value of each last drawn coordinate to the plotting origin (where X and Y intersect, in the minus direction).

Likewise, the coordinates of images that are drawn in the plus direction are shifted similarly. Images that exceed the hard clip limit are not output.

If the HP-GL/2 filter's clipping option is enabled (overriding the hard clip limit of the PS command), the data is output with the hard clip limit reset to the image's minimum and maximum value for each co-ordinate, and independent of the original position and the hard clip limit.

---

## HP-GL/2 Specifications

---

The GL/2 and TIFF filter modules that are included in GL/2 and TIFF filter products emulate the HP-GL commands of the HP DesignJet 600 but differ according to the settings of the GL/2 and TIFF modules. The following commands are also different:

---

### Character group commands

---

This section explains limitations to commands that belong to the character group shown in the HP-GL/2 reference manual.

---

### Label default status

---

The table below shows the HP-GL/2 filter's label default status.

Label Attribute	Status
Character set	ASCII code (Roman8)
Label terminator	ASCII code end of text command character ETX (Decimal code 3)
Label's starting point	Current pen position
Character size	Character width 2.83 mm, Character height 3.75 mm (Below A0 size) Character width 4.23 mm, Character height 5.21 mm (Above A0 size)
Label orientation	Horizontal
Margins between characters and lines	Normal (no extra margins added)
Character tilt	No tilt
Character overprint mode	Solid (total overprint)
Font	Courier

---

### Character codes that can be used with LB commands

---

The HP-GL/2 filter supports three character codes for specifying LB command parameters: ASCII (Roman 8), JIS, and Shift JIS. If other codes are included in HP-GL data, unwanted characters might be output.

---

### Font specification and selection

---

As with other HP-GL/2 products, procedures for font selection at HP-GL/2 filter are based on SD and AD command parameters.

## Parameters that can be used with SD and AD commands

The standard and substitute character sets (SD and AD commands respectively) define each character set's attributes, such as font, font spacing, pitch height, and character width. The table below shows which of the attributes shown in the HP-GL/2 manual can be used with HP-GL/2.

Types and attributes		Default value	Description
1	Character set	277	Roman8
2	Font spacing	0	Fixed spacing
3	Pitch	Depends on paper size	Characters per inch
4	Height	Depends on paper size	Font point
5	Character tilt	0	Upright
6	Line width	0	Normal
7	Font	3	Courier

### ❖ Character Set

Character set attributes define the character sets used as the standard and substitute character set. The table below shows the character sets that the HP-GL/2 filter can use. If an unusable character set is specified, the default set is applied.

Character set	Description	Note
0 and 277	Roman8	
11	JIS ASCII	
22	Arabic	
43	Katakana	If you select this font, the display might not be as intended, depending on the area you want to use.
101	Shift JIS	
278	Arabic-8	
300	Ventura ITC Zapf Dingbats	
332	PS ITC Zapf Dingbats	
364	ITC Zapf Dingbats 100	
396	ITC Zapf Dingbats 200	
428	ITC Zapf Dingbats 300	
531	HP-GL Download	
numbers higher than 1000	Kanji code	If you select this font, the display might not be as intended, depending on the area you want to use.

❖ **Font**

The font attribute selects the font that determines the rendering style. The table below shows the character sets that the HP-GL/2 filter can use. If an unusable font is specified, the default font is applied.

Font	Selection condition	Note
Courie	The character set is 0, 277 or the font is 3	
Symbol	The character set is 22, 278	
Zaps Dingbats	The character set is 300, 332, 364, 396, 428	
User font	The character set is 531	Fonts downloaded using the DL command.
Mincho / Gothic	The character set is 101, 43, 1000 or a higher number; or the font is 81, 152, 153, 154, 155, 156	Conditions of usage by Mincho / Gothic depends upon the command parameter.
Stick font	The font is 48, 49, 50	
Helvetica	The font is 4	
Times Roman	The font is 5 and the line width is other than 3, 7	
Times Bold	The font is 5 and the line width is 3 or 7	
Times Italic	The font is 5, the tilt is 1, and the line width is other than 3, 7	
Times Bold Italic	The font is 5, the tilt is 1, and the line width is 3, 7	
Palatino-Roman	The font is 15 and the line width is other than 3, 7	
Palatino-Bold	The font is 5 and the line width is 3, 7	
Palatino-Italic	The font is 15 and the tilt is 1	
Palatino-Bold-Italic	The font is 15 and the tilt is 1 and the line width is 3, 7	
NewCenturySchlBk	The font is 23 and the line width is other than 3, 7	
NewCenturySchlBk-Bold	The font is 23 and the line width is 3, 7	
NewCenturySchlBk-Italic	The font is 15, the tilt is 1, and the line width is other than 3, 7	

Font	Selection condition	Note
NewCenturySchlBk-Bold-Italic	The font is 23 , the tilt is 1, and the line width is 3, 7	
AvantGarde-Book	The font is 31	
AvantGarde-Book-Oblique	The font is 31 and the tilt is 1	
Zapfchancery-midium-italic	The font is 43	
Bookman-Light	The font is 47 and the line width is other than 3, 7	
Bookman-DemiLight	The font is 47 and the line width is 3, 7	
Bookman-LightItalic	The font is 47, the tilt is 1, and the line width is other than 3, 7	
Bookman-DemiItalic	The font is 47, the tilt is 1, and the line width is 3, 7	

---

## HP-RTL Specifications

---

This section explains limitations to commands that are explained in the HP-GL/2 and HP-RTL reference manuals.

---

### Logical Operation (ESC\*I#o)

---

The table below shows the specifications of the parameters used by the HP-GL/2 filter's Logical Operation command.

Parameter	Specification
252 (Default)	OVERWRITE procedure
136	AND procedure
168	TRANSPARENT procedure
204	TRANSPARENT procedure
238	OR procedure
Values other than the above	TRANSPARENT procedure

# Printable TIFF Files

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## TIFF Data Specifications

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### TIFF files that can be processed

---

This section explains the TIFF filter's file processing limitations. The TIFF filter can process only TIFF files that are compliant with "TIFF Revision 6.0" (Adobe Developers Association, June 1992).

#### Note

- The TIFF filter might be able to process non-compliant TIFF files, but the output is likely to be incorrect, depending on the size of the image.

---

### TIFF header

---

TIFF data requires the header values shown in the table below.

Field	Values
Byte order	0x4d4d or 0x4949
Version number	42

---

### TIFF directory

---

If the data is multi-page TIFF:

- Both the directory and data must be divided by page.
- The last four bytes of each directory must contain a pointer to the subsequent page, and the pointer value must increase in keeping with the page order.

#### Note

- The pointer value for both single page TIFF data and the last page of multi-page TIFF data must be "0x00000000".
- The page order must be the same as the intended output order.

## TIFF tags

The table below shows the types and values of tags that can be included in the TIFF directory. If included, other tags or unacceptable values are normally ignored, but might occasionally cause processing to stop.

Tag name (number)	Value
ImageWidth (256)	0 - 65535
ImageHeight (257)	0 - 65535
BitsPerSample (258)	1, 4, or 8
Compression (259)	1, 3, or 4
PhotometricInterpretation (262)	0
FillOrder (266)	1
StripOffsets (273)	0 - $2^{32} - 1$
SamplesPerPixel (277)	1
RowsPerStrip (278)	1 - ImageLength
StripByteCounts (279)	One of the following: ImageWidth × ImageLength / 8 ImageWidth × ImageLength / 2 ImageWidth × ImageLength size of compressed image in bytes
MinSampleValue (280)	0
MaxSampleValue (281)	$2^{\text{BitsPerSample}} - 1$
XResolution (282)	50 - 1200
YResolution (283)	50 - 1200
T4Options (292)	0 or 1
ResolutionUnit (296)	2

Tag values must be entered in byte, ASCII, short, long, or rational data format.

If the value of the tag is a pointer to data that is stored outside the tag entry, that pointer must be at the back of the directory that contains the tag, pointing either to the subsequent directory or the data domain preceding the end of the data, not to the data domain of the subsequent page.

## Bitmap images

For reference, the top position of the strip data must be contained in the value of the `StripeOffsets` (273) tag. The data size (byte) after it is coded must also be specified by the value of `StripeByteCounts` (279) tag.

The byte at the end of the last page's strip data must be the same as the byte at the end of the TIFF data.

The bitmap data must be one of the following types:

Bitmap image type	Limitations
Monochrome: one sample, one bit (two colors) per pixel.	The value of the <code>BitsPerSample</code> (256) tag must be set to 1. Each pixel must be white when the sample value is 0, and black when the sample value is 1.
Gray scale: one sample, four bit (16 colors) per pixel.	The value of the <code>BitsPerSample</code> (256) tag must be set to be at 4. Each pixel must be white when the sample value is 0, and black when the sample value is 15.
Gray scale: one sample, eight bit (256 colors) per pixel.	The value of the <code>BitsPerSample</code> (256) tag must be set to be at 8. Each pixel must be white when the sample value is 0, and black when the sample value is 255.

The bitmap image data must be coded using one of the following compression methods.

Compression method	Limitations	Notes
Uncompressed method	<p>The image is not compressed. Data for each pixel is stored in the order it is created or scanned. Extra data is added to the end of each line as a pad in place of unused bytes.</p> <p>The value of the <code>Compression</code> (259) tag must be set to 1 and the <code>T4Options</code> (292) tag cannot be included. Also, the value of the <code>StripByteCounts</code> (279) tag must be set as follows:</p> <ul style="list-style-type: none"> <li>• 2 color monochrome image  <math>\text{ImageWidth} \times \text{ImageLength} / 8</math></li> <li>• 16 color gray scale image  <math>\text{ImageWidth} \times \text{ImageLength} / 2</math></li> <li>• 256 color gray scale image  <math>\text{ImageWidth} \times \text{ImageLengt}</math></li> </ul>	

Compression method	Limitations	Notes
MH (Modified Huffman) method	<p>This compression method is the same as the one-dimensional coding method of the CCITT Group 3 Fax.</p> <p>This compression method is used for two color monochrome images only.</p> <p>The value of the Compression (259) must be set to 3 and the T4Options (292) tag must be set to 1. Also, the value of the StripByteCounts (279) tag must be set to the size (in bytes) of the compressed data.</p>	
MMR (Modified Modified Read) method	<p>This compression method is the same as the CCITT Group 4 Fax coding method.</p> <p>This compression is used for two color monochrome images only.</p> <p>The value of the Compression (259) tag must be set to 4 and the T4Options (292) tag cannot be included. Also, the value of the StripByteCounts (279) tag must be set to the size (in bytes) of the compressed data.</p>	
LZW (Lempel, Ziv, Welch) method	<p>The value of the Compression (259) tag must be set to 5. Also, the value of the StripByteCounts (279) tag must be set to the size (in bytes) of the compressed data.</p>	<p>This method uses the data compression algorithm originally devised by Terry Welch of Sperry (currently Unisys), and later used as a dictionary "LZ77" algorithm by Abraham Lempel and Jacob Ziv.</p>

# Printable CALS Files

## CALS Data Specifications

### CALS files that can be processed

The TIFF filter can process only CALS files that are “CALS Raster (Type1)” compatible and compliant with the following file format and raster drawing method: “MIL-STD-1840A” (US Department of Defense, December 1987)

#### Note

- The TIFF filter might be able to process non-compliant CALS files, but the output is likely to be incorrect, depending on the size of the image.

### CALS headers

CALS data must include a header block that is compliant with the conditions listed after the table below. The header block requires the following eleven header records to be entered at the top in the order shown.

Byte offset	Record ID and configurable value (all ASCII characters)
0000	srcdocid: optional
0128 (0x80)	dstdocid: optional
0258 (0x102)	txtfilid: optional
0348 (0x15C)	Figid: optional
0512 (0x200)	srcgph: optional
0640 (0x280)	doccls: optional
0768 (0x300)	Rtype: 1
0896 (0x380)	rorient: 000, 270
1024 (0x400)	rpelcnt: appropriate value
1152 (0x480)	rdensty: appropriate value
1280 (0x500)	notes: optional
1408 (0x580)	0x20 × 128 bytes
1530 (0x5FA)	0x20 × 128 bytes
1664 (0x680)	0x20 × 128 bytes
1792 (0x700)	0x20 × 128 bytes
1920 (0x780)	0x20 × 128 bytes
2048 (0x800)	Bitmap data

### Header Block Conditions

- The header must be 2048 bytes (fixed length).
- Header records must be 128 bytes (fixed length).
- Header records must start with a record ID.
- Specified values for header record IDs must be entered in the separator's two character spaces: Colon (0x3a) and Space (0x20).
- Header records that contain no directive value must be given "NONE" as their value.
- Empty bytes in the header record and header block must be padded with spaces (0x20).

---

### Bitmap image data

---

Bitmap image data must follow immediately after the header block's final byte and be of the following format:

ITU-T T.6 monochrome raster (Group 4 Fax).

#### **Note**

- The same compression format as MMR (Modified Modified Read).

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# 5. Saving and Printing Using the Document Server

## Accessing the Document Server

The Document Server enables you to store documents on the machine's hard disk, allowing 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
  - Paper selection: Paper source tray, paper type, paper output tray.
- 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 3,000 files can be stored in the Document Server. No new files can be stored after 3,000 is reached. Even if less than 3,000 files are stored, new files cannot be stored when
  - a file to be stored contains more than 1,000 pages,
  - the total number of pages contained in files stored exceeds 9,000,
  - the hard disk is full.
- The Document Server also stores files scanned using the original table. 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 General Settings Guide.
- 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 3,000 files stored.
- For more information about Document Server functions, see General Settings Guide.
- For information about how to access Document Server from a client, see the printer driver Help.

### Reference

“Document Server”, General Settings Guide

The printer driver Help

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# 6. The Functions and Settings of the Machine

## Mainframe

Network Guide, PostScript 3 Supplement, and UNIX Supplement cover all models, and explain all necessary functions and settings. This chapter describes the functions and settings used for configuring the model you are using.

For details about functions and setting items, see Network Guide, PostScript 3 Supplement and UNIX Supplement.

### Reference

Network Guide

PostScript 3 Supplement

UNIX Supplement

---

## Functions

---

The following functions are available with the machine:

- Copy
- Printer
- Scanner
- Document Server

### Note

- The machine must be equipped with the Printer/Scanner Unit in order to use the printer or scanner function.

---

## Interface

---

The following interfaces are available with the machine:

- Ethernet (100BASE-TX / 10BASE-T)
- USB (2.0)
- IEEE 802.11b (Wireless LAN) (Optional)
- Gigabit Ethernet (Optional)

### Note

- To use the IEEE 802.11b (wireless LAN) interface, the machine must be equipped with the corresponding unit for that interface.
- The IEEE 802.11b (wireless LAN) interfaces cannot be installed together - only one such interface can be installed.

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# 7. Appendix

## Specifications

This section contains the machine's electrical and hardware specifications, including information about its options.

Component	Specifications
Resolution	300 × 300, 600 × 600 dpi
Printing speed	Type 1: 4 ppm Type 2: 6 ppm (A1□, plain paper) Printing speeds depend on the machine. Check which type of machine you have. See General Settings Guide.
Interface	Standard: <ul style="list-style-type: none"><li>• Ethernet interface (100BASE-TX / 10BASE-T)</li><li>• USB 2.0 interface</li></ul> Option: <ul style="list-style-type: none"><li>• Gigabit ethernet interface (1000BASE-T)</li><li>• IEEE 802.11b wireless LAN interface</li></ul>
Network protocol	IPv4, IPv6, IPX/SPX, AppleTalk
Printer language	RPCS, PostScript 3, PDF Direct, GL/2 & TIFF Filter *1
Fonts	PostScript 3: 136 fonts (Type 2:24, Type 14:112)
Memory	1 GB
Hard disk	Storage capacity: 80 GB
Network cable	100BASE-TX / 10BASE-T shielded twisted-pair (STP, Category/Type5) cable.
USB interface (Standard)	<ul style="list-style-type: none"><li>• Supported Operating System: Windows Me / 2000 / XP, Windows Server 2003, Mac OS 9.2.2, Mac OS X 10.3.3 or later</li><li>• Transmission spec. USB 2.0 Standard</li><li>• Connectable Device: Devices corresponding to USB 2.0 Standard</li></ul>

\*1 This machine can print HP-GL, HP-GL/2, TIFF, and CALS files.

### Note

- When using Mac OS, use only the standard USB Interface. The optional USB interface board is not supported.
- When using the USB Interface (Standard) with Mac OS X 10.3.3, USB2.0 is supported.
- When using the USB Interface (Standard) with Windows Me, install USB Printing Support. Windows Me only supports USB 1.1 speed.

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