

PRINTER Controller Type 850

Operating Instructions PRINTER REFERENCE 2 (option)



Read this manual carefully before you use this product and keep it handy for future reference.

For safety, please follow the instructions in this manual.

Introduction

This manual contains detailed instructions on the operation and maintenance of this machine. To get maximum versatility from this machine all operators should carefully read and follow the instructions in this manual.

Please keep this manual in a handy place near the machine.

Please read the Safety Information in the "Copy Reference" before using this machine. It contains important information related to USER SAFETY and PREVENTING EQUIPMENT PROBLEMS.

Important

Parts 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.

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Warning:

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

Notes:

Some illustrations might be slightly different from your machine.

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

Manuals for This Machine

Manuals for This Machine

There are seven manuals that separately describe the operational procedures for the operation and maintenance of the machine.

To enhance safe and efficient operation of the machine, all users should read and follow the instructions contained in the following manuals.

❖ **Copy Reference**

Describes the procedures and functions for using this machine as a copier.

❖ **System Settings**

Describes the system settings of this machine.

❖ **Printer Reference 1**

Describes the system settings, procedures and functions for using this machine as a printer.

❖ **Printer Reference 2**

Describes the procedures and provides necessary information about using this machine as a printer. The manual is included as a PDF file on the CD-ROM labeled "Printer Drivers and Utilities". (This Manual)

❖ **Network Interface Board Quick Configuration Guide**

Describes the procedures and provides necessary information about setting up and using the printer under the network environment. We recommend this manual as your first choice. The manual is included as a PDF file on the CD-ROM labeled "Printer Drivers and Utilities". Read this manual as your first choice before referring to the paper version of the Quick Configuration Guide which comes with optional Network Interface Board Type 450-E.

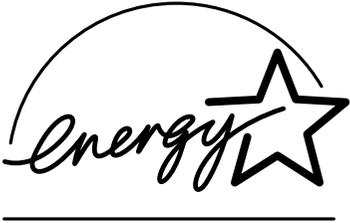
❖ **PostScript 3 Operating Instructions Supplement**

Describes the menus and features you can set using the PostScript printer driver. The manual is provided as a PDF file on the CD-ROM labeled "Printer Drivers and Utilities".

❖ **Network Interface Board Type 450-E Owner's Manual**

Describes the procedures and provides necessary information about setting up and using the printer under the network environment. The manual is provided as a PDF file which is included on the CD-ROM labeled "Print Server Software and Documentation" which comes with optional Network Interface Board Type 450-E.

ENERGY STAR Program

<p>ENERGY STAR®</p> 	<p>As an ENERGY STAR Partner, we have determined that this machine model meets the ENERGY STAR Guidelines for energy efficiency.</p>
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The ENERGY STAR Guidelines intend to establish an international energy-saving system for developing and introducing energy-efficient office equipment to deal with environmental issues, such as global warming.

When a product meets the ENERGY STAR Guidelines for energy efficiency, the Partner shall place the ENERGY STAR logo onto the machine model.

This product was designed to reduce the environmental impact associated with office equipment by means of energy-saving features, such as Low-power mode.

- **Low Power mode**
This product automatically lowers its power consumption 15 minutes after the last copy or print job has finished. Printing is still possible in Low-power mode, but if you wish to make copies press the **[Energy Saver]** key first.
For how to change the default interval that the machine waits before entering Low-power mode, see “Low Power Shift Time” in the “System Settings”.
- **Sleep Mode**
If the printer features are installed, this product automatically lowers its power consumption even further 120 minutes after the last copy or print job has finished. Printing is still possible in Sleep mode, but if you wish to make copies press the operation switch first.
For how to change the default interval that the machine waits before entering Sleep mode, see “Auto Off mode” in the “System Settings”.
- **Auto Off mode**
If the printer feature is not installed, this product automatically turns itself off 120 minutes after the last copy or print job has finished. If you wish to make copies when the machine is in Auto Off mode, press the operation switch.
For how to change the default interval that the machine waits before entering Auto Off mode, see “Auto Off Timer” in the “System Settings”.
- **Duplex Priority**
To conserve paper resources, the Duplex function (1-Sided → 2-Sided) is selected preferentially when you turn on the operation switch or the main power switch, press the **[Energy Saver]** key, or when the machine resets itself automatically.
For how to turn Duplex Priority mode on or off, see “Duplex Mode Priority” in the “Copy Reference”.

❖ **Specification**

		Copy feature		Printer installed	
		Type 1 *1	Type 2 *1	Type 1 *1	Type2 *1
Low Power mode	Power consumption	312 W	320 W	324 W	332 W
	Default Time	15 minutes		15 minutes	
	Recovery Time	40 seconds or less	42 seconds or less	40seconds or less	42seconds or less
Sleep Mode	Power consumption	-		24 W	
	Default Time	-		120 minutes	
Auto Off mode	Power consumption	12 W		24 W	
	Default Time	90 minutes	120 minutes	90 minutes	120 minutes

*1 See the “System Settings” to confirm which machine (Type 1 or Type 2) you have.

Duplex Priority	1 Side→1Side
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Recycled Paper

In accordance with the ENERGY STAR Program, we recommend use of recycled paper which is environment friendly. Please contact your sales representative for recommended paper.

How to Read This Manual

Symbols

In this manual, the following symbols are used:

 **WARNING:**

This symbol indicates a potentially hazardous situation which, if instructions are not followed, could result in death or serious injury.

 **CAUTION:**

This symbol indicates a potentially hazardous situation which, if instructions are not followed, may result in minor or moderate injury or damage to property.

* The statements above are notes for your safety.

 **Important**

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

 **Preparation**

This symbol indicates the prior knowledge or preparations required before operating.

 **Note**

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

 **Limitation**

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

 **Reference**

This symbol indicates a reference.

[]

Keys that appear on the machine's panel display.

Keys and buttons that appear on the computer's display.

[]

Keys built into the machine's operation panel.

Keys on the computer's keyboard.

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1. Uninstalling the Printer Driver and Software

Uninstalling the PCL 6/5e Printer Driver

This section describes how to uninstall the printer driver. The actual procedure may differ depending on the operating system.

Follow the appropriate procedure.

Windows 95/98 - Uninstalling the PCL 6/5e Printer Driver

- 1** Close all the applications that are currently running.
- 2** Click **[Start]** on the taskbar, point to **[Settings]**, and then click **[Printers]**.
The **[Printers]** window appears.
- 3** Click the icon of the printer you want to remove.
- 4** On the **[File]** menu, click **[Delete]**.
A confirmation dialog box appears.
- 5** Click **[Yes]** to uninstall the printer driver.

Windows 2000 - Uninstalling the PCL 6/5e Printer Driver

Limitation

- Uninstalling a printer driver requires Manage Printers permission. Members of the Administrators and Power Users groups have Manage Printers permission by default. When you uninstall a printer driver, log on using an account that has Manage Printers permission.

- 1** Close all the applications that are currently running.
- 2** Click **[Start]** on the taskbar, point to **[Settings]**, and click **[Printers]**.
The **[Printers]** window appears.
- 3** Click the icon of the printer you want to remove.
- 4** On the **[File]** menu, click **[Delete]**.
A confirmation dialog box appears.
- 5** Click **[Yes]** to uninstall the printer driver.

Windows NT 4.0 - Uninstalling the PCL 6/5e Printer Driver

! Limitation

- Uninstalling a printer driver requires Full Control access permission. Members of the Administrators, Server Operators, Print Operators, and Power Users groups have Full Control permission by default. When you uninstall a printer driver, log on using an account that has Full Control permission.

1 Close all the applications that are currently running.

2 Click [Start] on the taskbar, point to [Settings], and click [Printers].

The [Printers] window appears.

3 Click the icon of the printer you want to remove.

4 On the [File] menu, click [Delete].

A confirmation dialog box appears.

5 Click [Yes] to uninstall the printer driver.

Uninstalling the PostScript Printer Driver

This section describes instructions for uninstalling the PostScript printer driver. The actual procedure may differ depending on the operating system.

Follow the appropriate one of the following procedures below.

1

Windows 95/98 - Uninstalling the PostScript Printer Driver

- 1** Close all applications that are currently running.
- 2** Click **[Start]** on the taskbar, point to **[Settings]**, and then click **[Printers]**.
The **[Printers]** window appears.
- 3** Click the icon of the printer you want to remove.
- 4** On the **[File]** menu, click **[Delete]**.
A confirmation dialog box appears.
- 5** Click **[Yes]** to uninstall the printer driver.

Windows 2000 - Uninstalling the PostScript Printer Driver

Limitation

- Uninstalling a printer driver requires Manage Printers permission. Members of the Administrators and Power Users groups have Manage Printers permission by default. When you uninstall a printer driver, log on using an account that has Manage Printers permission.

- 1** Close all the applications that are currently running.
- 2** Click **[Start]** on the taskbar, point to **[Settings]**, and click **[Printers]**.
The **[Printers]** window appears.
- 3** Click the icon of the printer you want to remove.
- 4** On the **[File]** menu, click **[Delete]**.
A confirmation dialog box appears.
- 5** Click **[Yes]** to uninstall the printer driver.

Windows NT 4.0 - Uninstalling the PostScript Printer Driver

! Limitation

- ❑ Uninstalling a printer driver requires Full Control access permission. Members of the Administrators, Server Operators, Print Operators, and Power Users groups have Full Control permission by default. When you uninstall a printer driver, log on using an account that has Full Control permission.

1 Close all applications that are currently running.

2 Click [Start] on the taskbar, point to [Settings], and then click [Printers].

The [Printers] window appears.

3 Click the icon of the printer you want to remove.

4 On the [File] menu, click [Delete].

A confirmation dialog box appears.

5 Click [Yes] to uninstall the printer driver.

Macintosh - Uninstalling the PostScript Printer Driver

- 1** Delete the "PPD" file inside the [Printer Description] folder in the [Extensions] folder in [System Folder].

2. Setting Up the Printer Driver and Canceling a Print Job

PCL 6/5e - Accessing the Printer Properties

Windows 95/98 - Accessing the Printer Properties

There are two methods you can use to open the Printer Properties.

Making printer default settings

To make the printer default settings, first open the Printer Properties from the **[Printers]** window.

1 Click **[Start]** on the taskbar, point to **[Settings]**, and then click **[Printers]**.

The **[Printers]** window appears.

2 Click the icon of the printer whose default settings you want to change.

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

The Printer Properties appear.

4 Set desired settings and click **[OK]**.

Making printer settings from an application

To make the printer settings for a specific application, open the Printer Properties from that application. The following example describes how to make settings for the WordPad application that comes with Windows 95/98.

Note

- The actual procedures you should follow to open the Printer Properties may differ depending on the application. For more information, see the documentation that comes with the application you are using.
- When you use some applications, the driver's initial default settings of the applications might be applied over the printer driver's setting.
- Any settings you make in the following procedure are valid for the current application only.

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

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

2 From the **[Name:]** list, select the printer you want to use, and then click **[Properties]**.

The Printer Properties appear.

3 Set desired settings and click [OK].

4 Click [OK] to start your printing.

Windows 2000 - Accessing the Printer Properties

2

Making printer default settings - Printer Properties

 **Limitation**

- Changing the setting of the printer requires Manage Printers permission. Members of the Administrators and Power Users groups have Manage Printers permission by default. When you set up options, log on using an account that has Manage Printers permission.

1 Click [Start] on the taskbar, point to [Settings], and then click [Printers].

The [Printers] window appears.

2 Click the icon of the printer whose default setting you want to change.

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

The Printer Properties appear.

4 Set desired settings and click [OK].

 **Note**

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

Making printer default settings – Printing Preferences Properties

 **Limitation**

- Changing the setting of the printer requires Manage Printers permission. Members of the Administrators and Power Users groups have Manage Printers permission by default. When you set up options, log on using an account that has Manage Printers permission.

1 Click [Start] on the taskbar, point to [Settings], and then click [Printers].

The [Printers] window appears.

2 Click the icon of the printer whose default settings you want to change.

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

The Printing Preferences Properties appears.

4 Set desired settings and click [OK].

 **Note**

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

Making printer settings from an application

To make the printer settings for a specific application, open the Printing Preferences Properties from that application. The following example describes how to make settings for the WordPad application that comes with Windows 2000.

Note

- The actual procedures you should follow to open the Printing Preferences Properties may differ depending on the application. For more information, see the documentation that comes with the application you are using.
- Any settings you make in the following procedure are valid for the current application only.

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

The [Print] dialog box appears.

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

3 Set desired settings and click [Apply] to start your printing..

Windows NT 4.0 - Accessing the Printer Properties

Making printer default settings - Printer Properties

Limitation

- Changing the settings of the printer requires Full Control access permission. Members of the Administrators, Server Operators, Print Operators, and Power Users groups have Full Control permission by default. When you set up options, log on using an account that has Full Control permission.

1 Click [Start] on the taskbar, point to [Settings], and then click [Printers].

The [Printers] window appears.

2 Click the icon of the printer whose default setting you want to change.

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

The Printer Properties appear.

4 Set desired settings and click [OK].

Note

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

Making printer default settings – Default Document Properties

Limitation

- Changing the settings of the printer requires Full Control access permission. Members of the Administrators, Server Operators, Print Operators, and Power Users groups have Full Control permission by default. When you set up options, log on using an account that has Full Control permission.

1 Click **[Start]** on the taskbar, point to **[Settings]**, and then click **[Printers]**.

The **[Printers]** window appears.

2 Click the icon of the printer whose default settings you want to change.

3 On the **[File]** menu, click **[Document Defaults]**.

The Default Document Properties appears.

4 Set desired settings and click **[OK]**.

Note

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

Making printer settings from an application

To make the printer settings for a specific application, open the Document Properties from that application. The following example describes how to make settings for the WordPad application that comes with Windows NT 4.0.

Note

- The actual procedures you should follow to open the Document Properties may differ depending on the application. For more information, see the documentation that comes with the application you are using.
- Any settings you make in the following procedure are valid for the current application only.

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

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

2 From the **[Name:]** list, select the printer you want to use, and then click **[Properties]**.

The Document Properties appears.

3 Set desired settings and click **[OK]**.

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

PostScript - Setting Up for Printing

Windows 95/98 - Accessing the Printer Properties

There are two methods you can use to open the Printer Properties.

Making printer default settings

To make the printer default settings, first open the Printer Properties from the **[Printers]** window.

- 1** Click **[Start]** on the taskbar, point to **[Settings]**, and then click **[Printers]**.

The **[Printers]** window appears.

- 2** Click the icon of the printer whose default settings you want to change.

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

The Printer Properties appear.

- 4** Set desired settings and click **[OK]**.

Making printer settings from an application

To make the printer settings for a specific application, open the Printer Properties from that application. The following example describes how to make settings for the WordPad application that comes with Windows 95.

 **Note**

- The actual procedures you should follow to open the Printer Properties may differ depending on the application. For more information, see the documentation that comes with the application you are using.
- When you use some applications, the driver's initial default settings of the applications might be applied over the printer driver's setting.
- Any settings you make in the following procedure are valid for the current application only.

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

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

- 2** From the **[Name:]** box, select the printer you want to use, and then click **[Properties]**.

The Printer Properties appear.

- 3** Set desired settings and click **[OK]**.

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

Windows 2000 - Accessing the Printer Properties

Making printer default settings - Printer Properties

 **Limitation**

- Changing the setting of the printer requires Manage Printers permission. Members of the Administrators and Power Users groups have Manage Printers permission by default. When you set up options, log on using an account that has Manage Printers permission.

1 Click **[Start]** on the taskbar, point to **[Settings]**, and then click **[Printers]**.

The **[Printers]** window appears.

2 Click the icon of the printer whose default setting you want to change.

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

The Printer Properties appear.

4 Set desired settings and click **[OK]**.

 **Note**

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

Making printer default settings – Printing Preferences Properties

 **Limitation**

- Changing the setting of the printer requires Manage Printers permission. Members of the Administrators and Power Users groups have Manage Printers permission by default. When you set up options, log on using an account that has Manage Printers permission.

1 Click **[Start]** on the taskbar, point to **[Settings]**, and then click **[Printers]**.

The **[Printers]** window appears.

2 Click the icon of the printer whose default settings you want to change.

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

The Printing Preferences Properties appears.

4 Set desired settings and click **[OK]**.

 **Note**

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

Making printer settings from an application

To make the printer settings for a specific application, open the Printing Preferences Properties from that application. The following example describes how to make settings for the WordPad application that comes with Windows 2000.

Note

- The actual procedures you should follow to open the Printing Preferences Properties may differ depending on the application. For more information, see the documentation that comes with the application you are using.
- Any settings you make in the following procedure are valid for the current application only.

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

The [Print] dialog box appears.

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

3 Set desired settings and click [Print] to start your printing.

4 Click [OK] to start your printing.

Windows NT 4.0 - Accessing the Printer Properties

Making printer default settings - Printer Properties

Limitation

- Changing the settings of the printer requires Full Control access permission. Members of the Administrators, Server Operators, Print Operators, and Power Users groups have Full Control permission by default. When you set up options, log on using an account that has Full Control permission.

1 Click [Start] on the taskbar, point to [Settings], and then click [Printers].

The [Printers] window appears.

2 Click the icon of the printer whose default settings you want to change.

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

The Printer Properties appear.

4 Set desired settings and click [OK].

Note

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

Making printer default settings - Default Document Properties

Limitation

- Changing the settings of the printer requires Full Control access permission. Members of the Administrators, Server Operators, Print Operators, and Power Users groups have Full Control permission by default. When you set up options, log on using an account that has Full Control permission.

1 Click **[Start]** on the taskbar, point to **[Settings]**, and then click **[Printers]**.

The **[Printers]** window appears.

2 Click the icon of the printer whose default settings you want to change.

3 On the **[File]** menu, click **[Document Defaults]**.

The Default Document Properties appears.

4 Set desired settings and click **[OK]**.

Note

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

Making printer settings from an application

To make the printer settings for a specific application, open the Document Properties from that application. The following example describes how to make settings for the WordPad application that comes with Windows NT 4.0.

Note

- The actual procedures you should follow to open the Document Properties may differ depending on the application. For more information, see the documentation that comes with the application you are using.
- Any settings you make in the following procedure are valid for the current application only.

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

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

2 From the **[Name:]** box, select the printer you want to use, and then click **[Properties]**.

The Document Properties appears.

3 Set desired settings and click **[OK]**.

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

Macintosh - Setting Up for Printing

Making paper settings from an application

- 1 Open the file you want to print.
- 2 On the [File] menu, click [Page Setup].
[AdobePS Page Setup] appears.
- 3 Confirm that the printer you want to use is shown in the [Format for:] box.

 **Note**

- If the printer is not shown in the [Format for:] box, use the pop-up menu to display a list of available printers.

 **Reference**

The actual appearance of the Page Setup depends on the application you are using. See the documentation that comes with the Macintosh for more information.

- 4 From the [Paper:] box, select the paper size.
- 5 Set desired settings and click [OK].

Setting up for printing from an application

- 1 Open the file you want to print.
- 2 On the [File] menu, click [Print].
The Printer Settings appears.
- 3 Confirm that the printer is selected in the [Printer:] box.
- 4 Set desired settings and click [Print].

Canceling a Print Job

Windows 95/98 - Canceling a Print Job

1 Double-click the printer icon on the taskbar.

This opens a window that shows all the print jobs that are 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 Printing].

 **Note**

You can also open the print job queue window by double-clicking the printer icon in the [Printers] window.

4 Press [Printer] on the operation panel.

5 Press [Offline] on the panel display.

6 Press [JobReset] on the panel display.

The message appears on the panel display indicating that the print job is being canceled.

 **Important**

When the printer is being shared by multiple computers, be careful not to accidentally cancel someone else's print job.

 **Note**

You cannot stop printing data that has already been processed internally by the printer. Because of this, printing might continue for a few pages after you press [JobReset].

A print job that contains a large volume of data might take considerable time to stop.

Windows 2000 - Canceling a Print Job

1 Double-click the printer icon on the taskbar.

This opens a window that shows all the print jobs that are 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].

 **Note**

- You can also open the print job queue window by double-clicking the printer icon in the **[Printers]** window.

4 Press **[Printer]** on the operation panel.

5 Press **[Offline]** on the panel display.

6 Press **[Job Reset]** on the operation panel.

The message appears on the panel display indicating that the print job is being canceled.

 **Important**

- When the printer is being shared by multiple computers, be careful not to accidentally cancel someone else's print job.

 **Note**

- You cannot stop printing data that has already been processed internally by the printer. Because of this, printing might continue for a few pages after you press **[Job Reset]**.
- A print job that contains a large volume of data might take considerable time to stop.

Windows NT 4.0 - Canceling a Print Job

1 Double-click the printer icon on the taskbar.

This opens a window that shows all the print jobs that are 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]**.

 **Note**

- You can also open the print job queue window by double-clicking the printer icon in the **[Printers]** window.

4 Press **[Printer]** on the operation panel.

5 Press **[Offline]** on the panel display.

6 Press **[JobReset]** on the panel display.

The message appears on the panel display indicating that the print job is being canceled.

 **Important**

- When the printer is being shared by multiple computers, be careful not to accidentally cancel someone else's print job.

 **Note**

- You cannot stop printing data that has already been processed internally by the printer. Because of this, printing might continue for a few pages after you press **[JobReset]**.
- A print job that contains a large volume of data might take considerable time to stop.

Macintosh - Canceling a Print Job

1 Double-click the printer icon on the desktop.

This opens a window that shows all the print jobs that are 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 Click the pause icon, and then click the trash icon.

4 Press **[Printer]** on the operation panel.

5 Press **[Offline]** on the panel display.

6 Press **[JobReset]** on the panel display.

The message appears on the panel display indicating that the print job is being canceled.

 **Important**

- When the printer is being shared by multiple computers, be careful not to accidentally cancel someone else's print job.

 **Note**

- You cannot stop printing data that has already been processed internally by the printer. Because of this, printing might continue for a few pages after you press **[JobReset]**.
- A print job that contains a large volume of data might take considerable time to stop.

3. Troubleshooting

Error & Status Messages on the Operation Panel

Messages	Description	Comments
Add Staples	The staples are running out, even though stapling will continue.	This message remains while the printer is in the staple mode.
An unformatted disk was detected. Are you sure want to format the disk?	When the power was turned on, an unformatted hard disk was detected by the controller.	To format the hard disk, touch the [Yes] key. To cancel formatting and switch the machine to the online mode, touch the [No] key.  Note <input type="checkbox"/> Usually this message appears only when the optional hard disk is installed. However, it also appears when a hard disk error occurs. In this case, turn the main switch off and then back on. If the message appears again, the hard disk needs formatting. When you format the hard disk, the font installed in the hard disk will be deleted.
Cleaning web is low.Call service 0000-0000-0000	The cleaning web has worn down to a certain degree.	
Duplex mode is in off position for this tray.	The selected tray does not allow duplex printing.	Press [Reset] , and change the settings. When a length of time passes without any key pressed, the print job will be canceled automatically.
Empty Hole Punch receptacle	The Punch Trash got full and the print job is still in the punch mode.	This is not an error. Dump the punch trash. This message remains until the next print job begins.

Messages	Description	Comments
Exceeded max. number of sample print jobs. Job download has been cancelled.	The total number of sample print jobs or pages exceed the maximum number of 30.	Press [Reset] . Delete some unnecessary data from the list of "Sample Print Jobs". When a length of time passes without any key pressed, the print job will be canceled automatically.
File error.Print job download has been cancelled.	An error occurred while accessing files.	Press [Reset] to cancel the print job. When a length of time passes without any key pressed the print job will be canceled automatically.
Formatting the disk...	The hard disk is being formatted.	Wait until the confirmation message appears.
Functional Problems SC2000	A controller diagnostic error occurred while the power is on.	Turn the main switch off, and then back on. If the error appears again, contact your sales or service representative.
Functional Problems SC2001	A controller exception error occurred in the printer controller.	Turn the main switch off, and then back on. If the error appears again, contact your sales or service representative. Even if this error occurs, the copy function is still available.
Functional Problems SC2002	The printer controller has detected some error at the debug trap on the software.	Turn the main switch off, and then back on. If the error appears again, contact your sales or service representative. Even if this error occurs, the copy function is still available.
Going Offline	The machine is shifting from Online to Offline.	Wait until it shifts to Offline.

Messages	Description	Comments
Load <xxx> <yyy> paper in <zzz>, or select another tray and press [Continue] . Press [Reset] to cancel current job.	The selected input tray is empty.	Put the selected paper in the selected input tray, and the print job will be resumed automatically, or select another tray to print by pressing one of the tray displayed on the screen. Press [Reset] to cancel the current job if you want. When a length of time passes without any key pressed, the print job will be canceled automatically. <xxx>: Paper size <yyy>: Media Type <zzz>: Tray
Load <xxx> <yyy> paper in <zzz>, or select another tray and press [Continue] . Press [Reset] to cancel current job.	The paper size selected from the host is not set in any trays, when the tray selection is set to "Auto Tray Switching".	Put the correct paper in the tray, and change the setting of the tray using control panel. Press [Continue] to continue the print job using the incorrect paper. When a length of time passes without any key pressed, the print job will be canceled automatically.
Load <xxx> <yyy> paper in <zzz>, or select another tray and press [Continue] . Press [Reset] to cancel current job.	There is no selected paper in the selected input tray, although the paper size has been set from the host. The actual paper size and input tray are different from those selected from the host.	Put the correct paper in the tray, and change the setting of the tray using the operation panel. Press [Continue] to continue the print job using the incorrect paper. When a length of time passes without any key pressed, the print job will be canceled automatically.
Memory Error. Only one set can be output.	An Engine HDD error occurred in the collate operation.	The print job can be completed with only one set of the document. This message remains until the next print job begins.

Messages	Description	Comments
Memory is full.Print job download has been cancelled.	The document server memory is full and cannot receive the data from the printer. The job will be canceled.	Delete some unnecessary data from the document server.
Memory overflow. Press [Reset] to cancel current job.	Memory overflow occurred during the print job. After a part of the data on the page is printed, the print job is suspended. This is because the emulation language sent a file too complex for the printer to interpret with the available memory, or there is not enough memory space to download the fonts.	Press [Reset] to cancel current job. When a length of time passes without any key pressed, the print job will be canceled automatically. To print the image correctly, add memory to the machine. This message remains until the next print job.
Network failure. Network communication is not available. Check the Network setting.	Network communication is not available. Installed Network Interface Board fails to connect correctly communication with the network.	Press [Continue] and check the network settings, and the printer will start without the network capability. Even if Network Interface Board is installed, no error will occur when it is not plugged into a network connection.
Network Interface Board Firmware downloading...	Network Interface Board firmware is being downloaded.	Wait until it is downloaded.
Network Interface Board initializing...	Network Interface Board is being initialized.	Wait until it is initialized.
Offline	The printer is Offline.	If you want to change into Online, press [Online] .
Output tray is full. Remove the paper on ***.	The selected output tray is full, and the print job is suspended.	Remove paper from the output tray, and the print job will be resumed automatically. ***: Output tray
Paper is left in Duplex Unit. Open Duplex Unit and remove paper.	Paper will remain in the duplex tray, when a new duplex print job is started. The print job is suspended.	Remove the paper from the duplex tray, and the print job will be resumed automatically.

Messages	Description	Comments
Paper is left in Staple Tray. Open Finisher and remove paper.	Paper will remain in the staple tray, when the stapling job is canceled or a new stapling job is started.	Remove the paper from the staple tray, and the print job will be resumed automatically.
Paper misfeed has interrupted Printing. Press Reset to cancel current job, or press Continue to print.	A paper misfeed occurred, and you removed all the misfed paper. The print job is interrupted.	To cancel the print job, press [Reset] . To make the jam recovery operation, press [Continue] .
Parallel Communication Error. Please set up communication parameters in parallel menu. Press Reset to cancel current job.	A parallel communication error has occurred during the print job via the parallel port.	Press [Reset] to cancel the current job, and check the parallel communication settings again.
Please wait.	The printer is warming up or processing internally.	Wait for the machine to get ready.
Print overrun. Press Reset to cancel current job, or press Continue to print	A print overrun occurred on a file being printed. Only a part of the data on the page will be printed, and the print job is suspended.	Press [Continue] to ignore this error, and the print job will be resumed. Press [Reset] to cancel the print job. When a length of time passes without any key pressed, the print job will be canceled automatically. To print the image correctly, add memory to the machine, or reduce the resolution of the image and re-send the print job.
Printer HDD Error. Printer HDD cannot be used.	A Printer HDD error is detected while the power is on.	Press [Continue] after confirming the error, and the printer will start without the Printer HDD capability.
Printer HDD Error. Press Reset to cancel current job.	A Printer HDD error is detected while a macro or font is being downloaded from the host to the printer controller.	Press [Reset] to cancel the current job. If the error often appears, change the Printer HDD. Contact your sales or service representative.

Messages	Description	Comments
Printer HDD is full. Press [Reset] to cancel current job.	A Printer HDD becomes full while downloading a macro or font from the host to the printer controller.	Press [Reset] to cancel the operation. When a length of time passes without any key pressed, the operation will be canceled automatically. To execute the operation correctly, make room on the disk partition in advance.
Ready	The printer is Online and ready to make a print.	If you want to change to Offline mode, press [Offline] .
The disk could not be formatted.	The hard disk has not been formatted successfully.	Turn the main switch off and back on, and then try formatting again. If this message appears again, change the hard disk. Contact your sales or service representative.
The disk was formatted successful. Turn machine off then on again to restart.	The hard disk has been formatted successfully.	Turn the main switch off, and then back on. The hard disk is ready to use.
The Job has been reset	The current print job has been reset.	
*** is not set correctly. Set *** correctly.	The selected input tray is not set correctly.	Close the selected input tray, and the print job will be resumed automatically. ***: Input tray
***is not available. Select another tray and press [Continue] , or press [Reset] to cancel current job.	Something is wrong with the selected input tray.	Select another tray to print by pressing one of the tray displayed on the screen or press [Reset] to cancel the current job. When a length of time passes without any key pressed, the print job will be canceled automatically.

Machine Does not Print

Possible Cause	Solutions
Is the power on?	Turn on the machine.
Is the interface cable properly connected?	Connect the interface cable properly. If there are any connectors or screws, make sure that they are fastened securely.
Are you using the correct interface cable?	Be sure to use the correct one. If the cable is damaged or worn, replace it with a new one.
Did you connect the interface cable after turning on the main switch?	Be sure to connect the interface cable before turning on the main switch.
Is the machine Online?	Bring it Online by touching the [Online] key.
Is the specified paper set?	Set the specified paper in any of the input trays.
Are there any error messages on the panel display?	Check the error message, and take the required action.
Does the indicator above the Printer key stay red?	Check the error message, and take the required action.
Is the Data-in Indicator blinking or lit?	If it is not, the data does not reach the machine. Check the printer cable connection. Also confirm that the printer port settings are correct.
Can you print a configuration page?	If you cannot, check the printer cable connection. Also confirm that the printer port settings are correct.
Can you make a "Print Test Page" from the printer driver?	If you cannot, the machine might be out of order. Contact your sales or service representative.

Other Printing Problems

3

Problem	Action
An image is printed on the reverse side of the paper.	Set the paper upside down.
Multiple pages are fed through the printer at once.	Remove all the paper from the tray and fan them gently.
Paper misfeeds occur frequently.	Check the paper size settings. Use the recommended paper. Avoid using curled, folded, or wrinkled paper, perforated paper, or glossy paper.
An operation panel error message stays on after removing the misfed paper.	A paper misfeed message will remain until the front cover is opened and then closed. Open the front cover and close it.
It takes a long time for the printer to start printing.	The machine might be in Energy Saver mode or Low Power mode, which requires more time for warming up and resuming the print job. If you can't wait, change the settings of Low Power. Shift Time and Low Power Timer.
It takes too much time to complete the print job.	The data is so large or complex that it takes time to process it. If the Data In indicator is blinking, the data processing is being done. Just wait until it is finished.
Windows 95/98, NT 4.0 : The computer does not recognize the installed printer options.	If the printer is not bi-directional, specify which options you have installed using the printer driver. See the HELP file of the printer driver.

4. Using the Operation Panel

Though the factory default settings of the printer are suitable for most printing jobs, the "Printer Features" gives you access to a number of settings that control basic printer operations. "Printer Features" settings you make are retained even when you turn off the printer.

Reference

For more information about the copy features and their system settings, see the "Operating Instructions" that describes the copy functions and describes the system settings.

Adjusting Printer Features

Printer Features Menu

There are eight menu items in the "Printer Features" menu.

- PCL
- PostScript
- Paper Feed
- Parallel
- Network
- Configuration
- List Print
- Reset Select

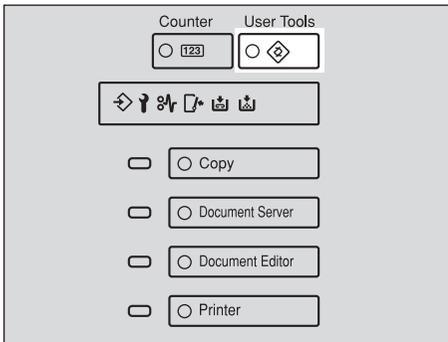
You can select functions in the following table.

Category	Function Menu
PCL⇒ P.29	Orientation
	Form Length
	Font Source
	Font Number
	Point Size
	Font Pitch
	Symbol Set
PostScript⇒ P.30	Print PS Errors

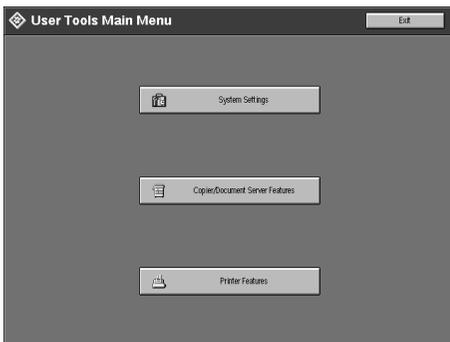
Category	Function Menu
Paper Feed⇒ P.31	Page Size
	Tray Priority
	Paper Type Priority
	Auto Tray Switch
	Duplex
	Sort
	Staple
	Punch
Parallel⇒ P.33	Printer Language
	Bi-direction
	I/O Timeout
Network⇒ P.34	I/O Timeout
	IP Address
	Subnet Mask
	Gateway Address
	Network Menu Protect
Configuration⇒ P.35	Resolution
	Auto Continue
	Edge Smoothing
	Autocont.Timeout
List Print⇒ P.36	PS Font List
	PCL Font List
	PS Demo Page
	PCL Demo Page
	Configuration Page
	Minor Error Log
Reset Select⇒ P.36	Job Reset
	Menu Reset
	Printer Restart
	User Code Log Clear

Accessing the Printer Features

1 Press [User Tools].



The following screen appears on the panel display.



2 Press [Printer Features].

The following screen appears on the panel display.



3 Select the desired item by pressing the key, and change the settings by following the instructions on the panel display. Then press [OK] to return to the "Printer Features" screen.

Note

- [OK]: Press to set the new settings and return to the previous menu.
- [Cancel]: Press to return to the previous menu without changing any setting.

Exiting from User Tools

1 After changing Printer Features, press **[Exit]** to return to the "User Tools Main Menu".

2 Press **[Exit]**.

 **Note**

You can also exit from User Tools by pressing **[User Tools]**.

Printer Features Parameters

PCL

Menu	Description
Orientation	<p>You can select the page orientation:</p> <ul style="list-style-type: none"> • Portrait • Landscape <p> Note <input type="checkbox"/> Default: <i>Portrait</i></p>
Form Length	<p>You can set the number of lines per page: 5 to 128</p> <p> Note <input type="checkbox"/> The default settings depend on the paper size. <input type="checkbox"/> Default: <i>64 (A4)</i> <input type="checkbox"/> Default: <i>60 (8¹/₂ × 11)</i></p>
Font Source	<p>You can select the location of the default font:</p> <ul style="list-style-type: none"> • Internal Specifies the resident font you want to use as the default font. • Sort Specifies the font downloaded from the host machine you want to use as the default font. <p> Note <input type="checkbox"/> Default: <i>Internal</i></p>
Font Number	<p>You can set the value for the default font you want to use: 0 to 52</p> <p> Note <input type="checkbox"/> Default: <i>0</i></p>
Point Size	<p>You can set the value for the point size you want to use for the selected font in increments of 0.25: 4.00 to 999.75</p> <p> Note <input type="checkbox"/> Default: <i>12.00</i></p> <p>When an incorrect size is entered, it blinks for about 2 seconds. Enter the correct size at that time.</p>

Menu	Description
Font Pitch	<p>You can set the number of characters per inch for the selected font in increments of 0.01:</p> <p>0.44 to 99.99</p> <p> Note</p> <p><input type="checkbox"/> Default: <i>10.00</i></p>
Symbol Set	<p>You can select the set of print characters for the selected font. Search for the desired font among the options shown in the 3 screens.</p> <p>Roman-8, Win L1, Win L2, Win L5, Win Baltic, Win 3.0, Legal, ISO L1, ISO L2, ISO L5, ISO 4, ISO 6, ISO 11, ISO 15, ISO 17, ISO 21, ISO 60, ISO 69, PC-8, PC-850, PC-852, PC-1004, PC-8 D/N, PC-8 TK, VN Math, VN US, VN Intel, MS Publ, Pifont, Desktop, Math-8, PS Math, PS Text, MC Text</p> <p> Note</p> <p><input type="checkbox"/> Default: <i>Roman-8</i></p>

PostScript

Menu	Description
Print PS Errors	<p>You can select whether the PostScript Error Report should be printed:</p> <ul style="list-style-type: none"> • Off • On <p> Note</p> <p><input type="checkbox"/> Default: <i>Off</i></p>

Paper Feed

Menu	Description
Page Size	<p>You can set the page size when the page size is not specified by the application.</p> <p>A3, 11 × 17, B4 JIS, 8¹/₂ × 14, 8¹/₄ × 13, 8 × 13, 8¹/₂ × 13, A4, 8¹/₂ × 11, 7¹/₄ × 10¹/₂, B5 JIS, A5, 5¹/₂ × 8¹/₂, 8k, 16k</p> <p> Note</p> <p><input type="checkbox"/> Default (Metric Version): A4</p> <p><input type="checkbox"/> Default (Inch Version): 8¹/₂ × 11</p>
Tray Priority	<p>You can select the input paper tray priority. Only the installed trays appear on the panel display.</p> <p>Auto, Tray 1, Tray 2, Tray 3, Tray 4, Tray 5, Tray 6</p> <p> Note</p> <p><input type="checkbox"/> Default: <i>Auto</i></p>
Paper Type Priority	<p>You can select the paper type priority.</p> <p>Plain, OHP sheet, Thick Paper, Recycled Paper, Special Paper, Tab Stock, Trancelucent Paper</p> <p> Note</p> <p><input type="checkbox"/> Default: <i>Plain</i></p>
Auto Tray Switch	<p>You can select whether Auto Tray Switching is On. When Auto Tray Switching is On, and the current paper tray becomes empty during a print job, the machine automatically changes the paper tray to the one that contains the same paper size and orientation:</p> <ul style="list-style-type: none"> • Off • On <p> Note</p> <p><input type="checkbox"/> Default: <i>On</i></p>

Menu	Description
Duplex	<p>You can select whether you want to print on both sides of each page.</p> <p>If so, you can also specify the orientation of paper.</p> <ul style="list-style-type: none"> • Off • Long Edge Binding • Short Edge Binding <p> Note <input type="checkbox"/> Default: <i>Off</i></p>
Sort	<p>You can select whether you want to collate the output.</p> <p>If so, you can also specify the printing order.</p> <ul style="list-style-type: none"> • Off • Shift Sort • Rotate Sort <p> Note <input type="checkbox"/> Default: <i>Off</i></p>
Staple	<p>You can select whether you want to staple the output.</p> <p>If so, you can also specify the stapling position among the options shown in the two screens.</p> <p>Off, Left Slant <input type="checkbox"/>, Left Vert. <input type="checkbox"/>, Left Horiz. <input type="checkbox"/>, Left 2 <input type="checkbox"/>, Right Slant <input type="checkbox"/>, Right Vert. <input type="checkbox"/>, Right Horiz. <input type="checkbox"/>, Right 2 <input type="checkbox"/>, Top 2 <input type="checkbox"/>, Left Slant <input type="checkbox"/>, Left Vert. <input type="checkbox"/>, Left Horiz. <input type="checkbox"/>, Left 2 <input type="checkbox"/>, Right Slant <input type="checkbox"/>, Right Vert. <input type="checkbox"/>, Right Horiz. <input type="checkbox"/>, Right 2 <input type="checkbox"/>, Top 2 <input type="checkbox"/></p> <p> Note <input type="checkbox"/> Default: <i>Off</i></p>
Punch	<p>You can select whether you want to punch the output for filing.</p> <p>If so, you can also select the punching position.</p> <p>Off, Left Portrait, Right Portrait, Top Portrait, Left Landscape, Right Landscape, Top Landscape</p> <p> Note <input type="checkbox"/> Default: <i>Off</i></p>

Parallel

Menu	Description
Printer Language	<p>You can set the page description language for print jobs received through the parallel port:</p> <ul style="list-style-type: none"> • Auto • PCL • PostScript <p> Note <input type="checkbox"/> Default: <i>Auto</i></p>
Bi-direction	<p>You can set whether bi-directional communication between this machine and the host computer is enabled:</p> <ul style="list-style-type: none"> • Off • On <p> Note <input type="checkbox"/> Default: <i>On</i></p>
I/O Timeout	<p>You can set how many seconds to wait until an incomplete print job should end, and the next port in the polling sequence should be set in increments of 1: 5 to 300 sec.</p> <p> Note <input type="checkbox"/> Default: <i>30 sec.</i></p>

Network

Menu	Description
I/O Timeout	<p>You can set how many seconds to wait until an incomplete print job should end, and the next port in the polling sequence should be set in increments of 1: 5 to 300 sec.</p> <p> Note <input type="checkbox"/> Default: <i>30 sec.</i></p>
IP Address	<p>You can set the IP Address.</p> <p> Note <input type="checkbox"/> Default: <i>All zero</i></p>
Subnet Mask	<p>You can set the Subnet Mask.</p> <p> Note <input type="checkbox"/> Default: <i>All zero</i></p>
Gateway Address	<p>You can set the Gateway Address.</p> <p> Note <input type="checkbox"/> Default: <i>All zero</i></p>
Network menu protected. Cannot change.	<p>You can set the Network Menu protected.</p> <ul style="list-style-type: none"> • Off • On <p> Note <input type="checkbox"/> Default: <i>Off</i></p>

Configuration

Menu	Description
Resolution	<p>You can set the print resolution in dots per inch:</p> <ul style="list-style-type: none"> • 300 dpi • 600 dpi <p> Note</p> <p><input type="checkbox"/> Default: <i>600 dpi</i></p>
Auto Continue	<p>You can set whether Auto Continue is enabled. When it is On, printing continues after a system error occurs:</p> <ul style="list-style-type: none"> • Off • On <p> Note</p> <p><input type="checkbox"/> When it is On, and certain types of error occur, the current job might be canceled, and the machine automatically resumes the next job.</p> <p><input type="checkbox"/> Default: <i>On</i></p>
Edge Smoothing	<p>You can set whether Edge Smoothing is enabled:</p> <ul style="list-style-type: none"> • Off • On <p> Note</p> <p><input type="checkbox"/> Default: <i>On</i></p>
Autocont.Timeout	<p>You can set how many seconds to wait until Auto Continue should end in increments of 1: 5 to 300 sec.</p> <p> Note</p> <p><input type="checkbox"/> Default: <i>30</i></p>

List Print

Menu	Description
PS Font List	You can print a list of installed PS fonts.
PCL Font List	You can print a list of installed PCL fonts.
PS Demo Page	You can print a PS Demo Page.
PCL Demo Page	You can print a PCL Demo Page.
Configuration Page	You can print a page describing the printer configuration.
Minor Error Log	You can print a list of errors.

4

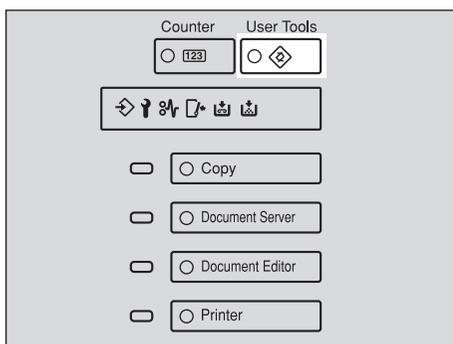
Reset Select

Menu	Description
Job Reset	You can cancel the print job currently being processed.
Menu Reset	<p>You can cancel the print job and restore some of the menu parameters to their factory defaults.</p> <p> Note</p> <p><input type="checkbox"/> The following parameters do not change back to their factory defaults:</p> <ul style="list-style-type: none"> • Bi-direction • TCP/IP Settings
Printer Restart	You can restart the printer.
User Code Log Clear	<p>You can clear the user code log.</p> <p> Note</p> <p><input type="checkbox"/> If the key operator code has been set, entering the key operator code is required.</p>

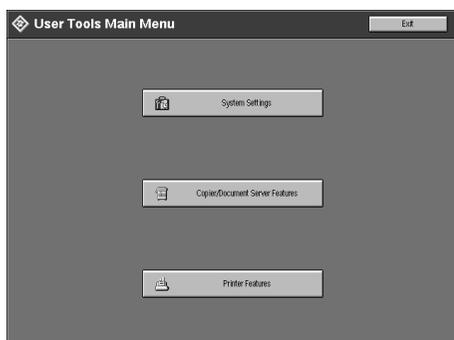
Printer Condition

We recommend that you print the configuration page and check its settings, before changing settings of the machine.

1 Press [User Tools].

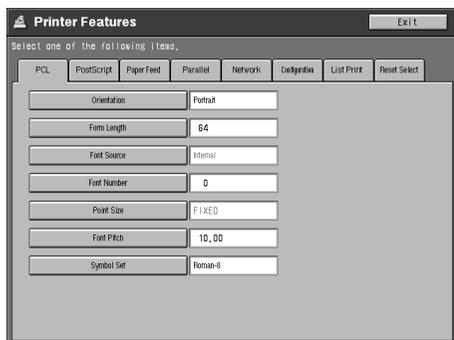


The following screen appears on the panel display.



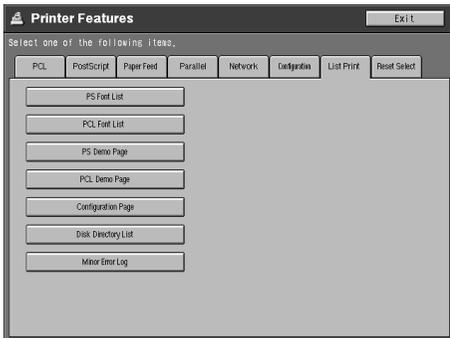
2 Press [Printer Features].

The following screen appears on the panel display.



3 Press [List Print].

The following screen appears on the panel display.



4

4 Press [Configuration Page].

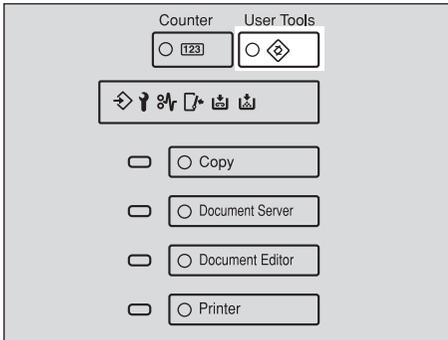
The configuration page starts printing.



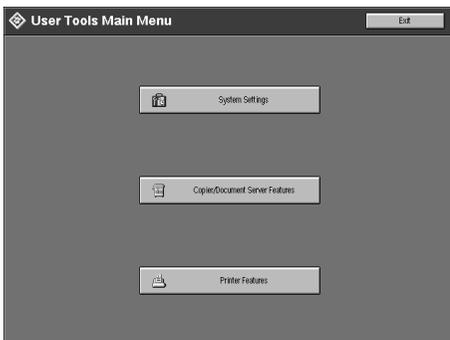
Adjusting System Settings

Accessing the System Settings

1 Press **[User Tools]**.

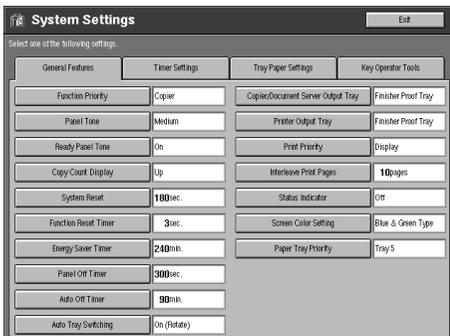


The User Tools main menu appears.



2 Press **[System Settings]** on the panel display.

The System Settings menu appears.



3 Select the desired menu you want to change.

- 4** Change the settings by following the instructions on the panel display. Then press **[OK]**.

⇒ P.40 “System Settings Parameters”

 **Note**

- [OK]**: Press to set the new settings and return to the previous menu.
- [Cancel]**: Press to return to the previous menu without changing any setting.

Exiting from the User Tools

- 1** After changing system settings, press **[Exit]** to return to the “User Tools Main Menu”.

- 2** Press **[Exit]**.

 **Note**

- You can also exit from the User Tools by pressing **[User Tools]**.

System Settings Parameters

This section contains the information about the parameters used only for the printer.

For more information about other parameters of System Settings, see the “Operating Instructions” that describes the System Settings.

 **Reference**

For information about the other parameters in the System Settings menu, refer to the “System Settings” manual.

General Features

Menu	Description
Function Priority	<p>You can specify the mode that is displayed when the operation switch is turned on or System Reset is activated.</p> <p> Note <input type="checkbox"/> Default: <i>Copier</i></p> <p> Reference See "System Reset".</p>
System Reset	<p>If no operation is performed for a selected time, the machine will automatically return to initially selected display.</p> <p>This function is called "System Reset". You can set the time between 10 and 999 seconds.</p> <p> Note <input type="checkbox"/> Default: <i>60 seconds</i></p>
Energy Saver Timer	<p>The machine enters the Energy Saver mode automatically a certain time after the job is finished. You can set the time between 1 and 240 minutes.</p> <p> Note <input type="checkbox"/> Default: <i>15 minutes</i> (1 minute steps)</p>
Auto Off Timer	<p>The machine turns itself off automatically to conserve energy a certain time after the job is finished. This function is called "Auto Off". You can set the time between 1 and 240 minutes.</p> <p> Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> Default: <i>90 minutes</i> (1 minute steps) <input type="checkbox"/> Auto Off is not effective when an error message is displayed. <input type="checkbox"/> To return to the Ready condition from Auto Off, the machine requires the same warm-up time as the time for becoming ready after its power is turned on.

Menu	Description
Copier/Document Server Output Tray	<p>You can specify to which tray copies are delivered.</p> <p> Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> You can select from the “Finisher Shift Tray” or “Finisher Proof Tray”. <input type="checkbox"/> When using the staple function, this setting is ignored.
Printer Output Tray	<p>You can select a tray which documents are delivered.</p> <ul style="list-style-type: none"> • Finisher Shift Tray • Finisher Proof Tray <p> Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> Default: <i>Finisher Shift Tray</i> <input type="checkbox"/> The output tray may be different depending on the functional setting and the setting of the printer driver.
Print Priority	<p>You can select the print priority for each mode.</p> <ul style="list-style-type: none"> • Display: Print priority is given to the mode shown on the display. • Copier/Document Server: Print priority is given to the Copier and Document Server function. • Printer: Print priority is given to the printer function. • Interleave: Makes use of the Multi-access function to print jobs in the order in which they are initiated regardless of mode/function. <p> Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> Default: <i>Display</i>
Interleave Print Pages	<p>You can set the maximum output quantity using the interleave print when “Output Priority” is set to “Interleave”.</p> <p>1–20</p> <p> Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> Default: <i>Approx 10 pages</i> <input type="checkbox"/> This setting may be different from your setting depending on the status of the print job.

Menu	Description						
Paper Tray Priority	<p>You can select the paper tray which will be selected as a default in the following conditions:</p> <ul style="list-style-type: none"> • When the operation switch is turned on. • When a System Reset or Auto Reset occurs. • When the [Clear] key is pressed. • When Auto Paper Select mode is selected. <div data-bbox="587 475 1190 799" style="border: 1px solid black; padding: 10px; margin: 10px auto; width: fit-content;"> <table border="1" style="border-collapse: collapse; text-align: center;"> <tr> <td style="padding: 5px;">Tray1</td> <td style="padding: 5px;">4</td> </tr> <tr> <td style="padding: 5px;">Tray2</td> <td style="padding: 5px;">5</td> </tr> <tr> <td style="padding: 5px;">Tray3</td> <td style="padding: 5px;">6</td> </tr> </table> <p style="text-align: right; font-size: small; margin-top: 5px;">GCTRAY0E</p> </div> <p> Note</p> <p><input type="checkbox"/> Default:</p> <ul style="list-style-type: none"> • When the optional LCT is installed: <i>Tray 4</i> • When the optional LCT is not installed: <i>Tray 1</i> 	Tray1	4	Tray2	5	Tray3	6
Tray1	4						
Tray2	5						
Tray3	6						

Timer Setting

If a key operator code (up to 8 digits) is specified, you should enter the code when entering Set Time mode.

Reference

For more information about key operator code, see “Operationg Instructions” that describes the system settings.

Menu	Description
Key Operator Code For Off Setting	<p>Set a key operator code (up to 8 digits) to temporarily cancel the power off setting of the weekly timer.</p> <p> Note</p> <p><input type="checkbox"/> When the weekly timers are set and operation switch is off, you can still use the machine by doing one of the following:</p> <ul style="list-style-type: none"> • If the key operator code is set, turn on the operation switch and enter the code. • If the key operator code is not set, just turn on the operation switch.

Tray Paper Settings

You can set the types and size of the paper set in the paper tray and make them indicated.

You can set with the following steps.

- ① Paper Type
- ② Paper Color ^{*1} (Only for “Special Paper” or “Thick Paper”)
- ③ Slip Sheet Copy In Duplex Mode (Only for “Normal” “Recycled Paper” or “Special Paper”)
- ④ Paper Size (Only for Tray 2 and Tray 3)

^{*1} Paper Color can not be set from the printer driver, and you can not confirm the Paper Color from the printer driver.

4

Reference

For more information about “Tray Paper Settings”, see the “Operation Instructions” that describes the copy functions and describes the system settings.

Printing with the Operation Panel

Using the Sample Print

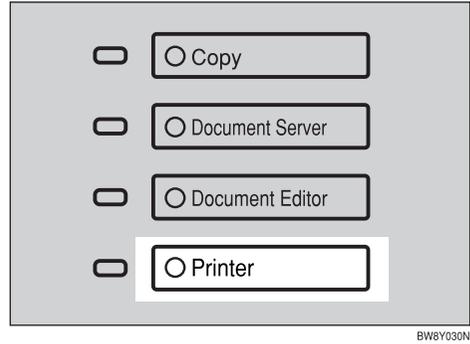
Use this function to print only one printing of a multiple print job. The other printings are saved in the machine. The saved job can be printed from the machine's operation panel. You can also delete the saved job, change quantity of sets and move to "Document Server" function.

Note

- ❑ If the application has a collate option, confirm that it is not selected before sending a print job. By default, sample print jobs are automatically collated by the printer driver. If the collate option is selected from the application print dialog box, more copy printings than intended may be printed.
- ❑ You can identify the file you want to print by the User IDs and the time when the job was stored.
- ❑ The actual number of pages the machine can save depends on the contents of the print images. As an example, the machine can save up to 30 jobs. 1,000 pages of one print job and total 3,000 pages of all print jobs can be saved. It depends on the data volume.
- ❑ If you print the remaining printings of saved job file, its data in the machine is deleted automatically.
- ❑ "Sample Print" is not supported by PostScript printer driver under Windows 2000.

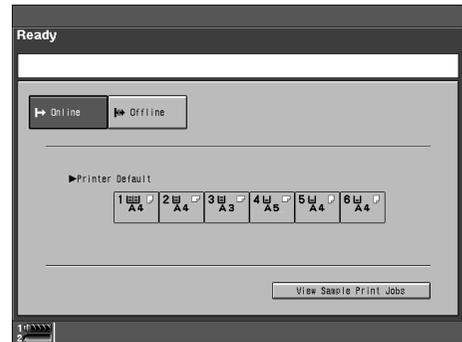
Printing a Sample Print file

1 Press **[Printer]**.



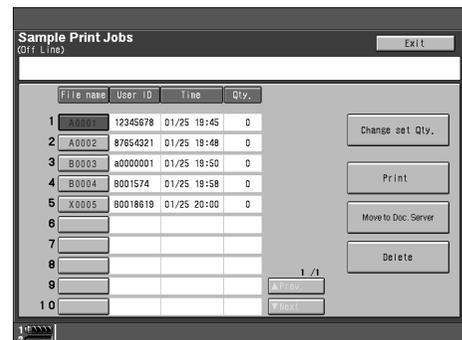
4

The following screen appears on the panel display.



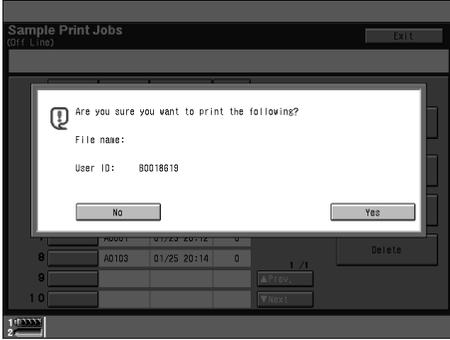
2 Confirm that printer is online, then press **[View Sample Print Jobs]**.

The following screen appears on the panel display.



- 3** Select a file you want to print, and then press [Print].

The following screen appears on the panel display.



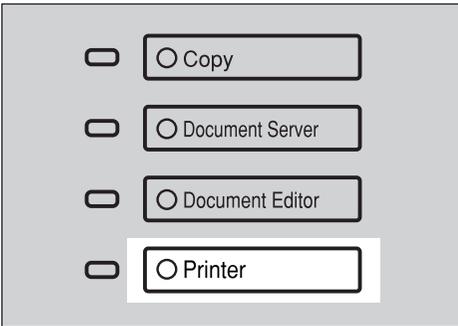
4

- 4** Press [Yes] to print the file.

Deleting a Sample Print file

If the printed document is not what you expected, you can delete the sample print file.

- 1** Press [Printer].

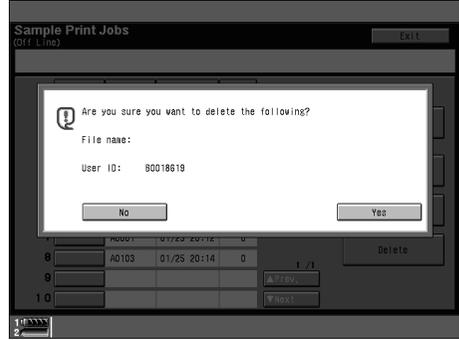


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- 2** After confirming that the printer is online, press [View Sample Print Jobs].

- 3** Select the file you want to delete, and then press [Delete].

The following message appears on the panel display.

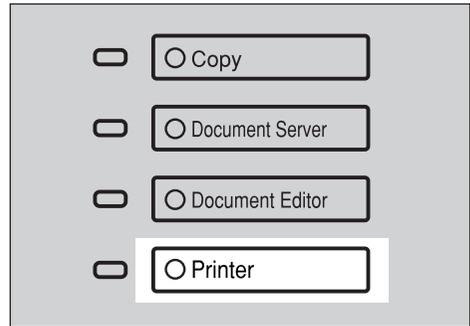


- 4** Press [Yes] to delete the file.

Changing the quantity

If you want to change the quantity of copies of sample print file, follow the procedure below.

- 1** Press [Printer].



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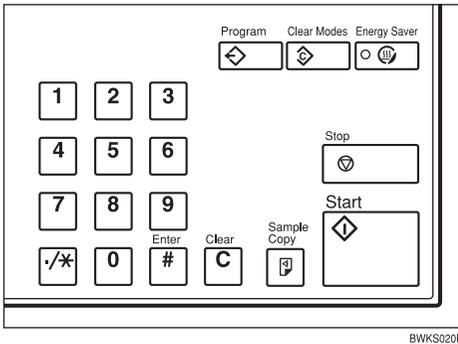
- 2** After confirming that the printer is online, press [View Sample Print Jobs].

- 3 Select the file you want to change quantity, and then press [Change Set Qty.].

The following screen appears on the panel display.



- 4 Enter the numerical value with the number keys.

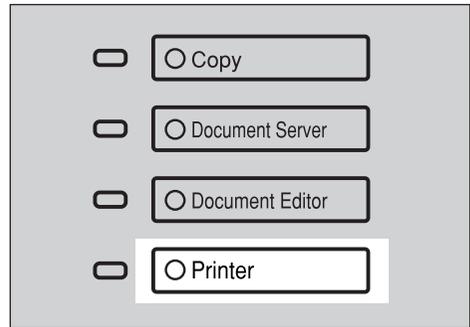


- 5 Press [OK].

Moving the file to the Document Server

You can move the sample print file to the Document Saver, and can arrange the file by using the Document Server function.

- 1 Press [Printer].

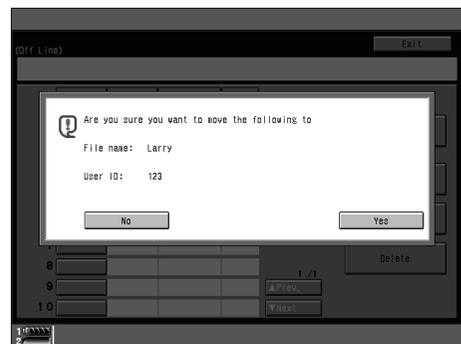


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- 2 After confirming that the printer is online, press [View Sample Print Jobs].

- 3 Select the file you want to move, and then press [Move To Doc. Server].

The following message appears on the panel display.



- 4 Press [Yes] to move the file to the Document Saver.

Accessing the Document Server

The Document Server enables you to save documents in the machine memory and then edit and print them as you want.

For more information about the Document Server function, see the “Operating Instructions” that describe the copy functions.

This section describes how to access to Document Server from the computer as a print job.

Note

- When you use the Document Server, the following settings must be selected using machine's operation panel.
 - Copies:
 - Collate
 - Duplex
 - Punch
 - Staple
 - Paper Source
 - Output Tray
- Above items are grayed out, so you can not set them from the printer properties when the Document Server is selected.
- You must enter User ID up to eight alphanumerical characters.
- You had better enter Password and File Name to distinguish the job from others.
- The actual number of pages the machine can save depends on the contents of the print images. As an example, the machine can save up to 250 jobs in the Document Server function. 1,000 pages of one print job can be saved. It depends on the data volume.

Accessing the Document Server from the Printer Properties

- 1** On the [File] menu of the application you use, click [Print].
The [Print] dialog box appears.
- 2** Select the printer you want to use in the [Menu] list box, and then click [Properties].
The [Printer Properties] dialog box appears.
- 3** In the [Setup] tab, select the [Document Server] in the [Job Type:] list box.
- 4** Enter [User ID:] up to eight alphanumerical characters.
- 5** Enter the [Password] up to four digits, and [File Name] up to eight alphanumerical characters in the [Statistics] tab.
- 6** Press [OK].

Reference

For more information about following settings and details of Document Server, see the “Operating Instructions” that describe the copy functions.

- Copies
- Collate
- Duplex
- Punch
- Staple
- Paper Source
- Output Tray

Staple and Punch Position

Staple and Punch Position

The following tables show the sample of outputs of staple and punch positions.

 **Note**

- Outputs of staple and punch depends on paper size, paper type, number of pages and feed direction.

❖ **Staple**

Staple Setting	Portrait	Landscape
Upper Left Slant		
Upper Left Vertical		
Upper Left Horizontal		
Left 2		
Upper 2		

❖ Punch

Punch Setting	Portrait		Landscape	
	Left	Top	Left	Top
2 holes ^{*1}				
3 holes ^{*2}				
4 holes Type E ^{*3}				
4 holes Type NE ^{*3}				

^{*1} Available for metric and inch version.

^{*2} Available for inch version only.

^{*3} Available for metric version only.

Specifications

This section contains the electrical and hardware specifications for the printer, including the information about the options.

Component	Specification
Resolution	600dpi ; PCL 5e, PCL 6, PostScript 3
Printing Speed	85ppm, 105ppm (A4  , 8 1/2" x 11" )  Note <input type="checkbox"/> Printing Speed depends on the machine. Confirm which machine you have.
Parallel Interface	Standard 36-pin printer cable and a parallel port on the host computer. IEEE1284  Note <input type="checkbox"/> Do not use a parallel cable that is longer than 3 meters (10 feet).
Printer Language	PCL 5e , PCL 6 PostScript 3 (option)
Fonts	PCL 5e, PCL 6 35 Intellifonts, 10 Truetype fonts, and 1 Bitmap font Font Manager available. PostScript 3 136 Adobe Type 1 fonts
Memory	Standard : 32MB Optional SDRAM : 32MB, 64MB, 128MB
Hard Disk	Storage capacity : 6GB or more
Operation Systems supported by this printer	Windows 95/98 Windows 2000 Windows NT 4.0 Mac OS
Network	Topology : Ethernet 10BASE-T/100BASE-TX
	Protocol : TCP/IP, IPX/SPX, AppleTalk
Network Cable	10BASE-T/100BASE-TX shielded twisted-pair (STP, Category/Type5) cable.

Options

Network Interface Board Type 450-E

- ❖ **Topology:**
Ethernet (10BaseT/100BaseTX)
- ❖ **Protocols:**
TCP/IP, IPX/SPX, AppleTalk
- ❖ **Interface Connector:**
RJ45
- ❖ **Required Cable:**
STP (Shielded Twisted-Pair) cable
Category/Type5 or better
*A cable is not provided with this option.

Hard Disk Drive

- ❖ **Storage Capacity**
6 GB or more
 - You will be able to install the PostScript fonts with this optional Hard Disk Drive.

Memory Unit

- ❖ **Module Type:**
SO-DIMM (Small Outline Dual-in-line Memory Module)
- ❖ **Memory Type:**
SDRAM (Synchronous Dynamic RAM)
- ❖ **Number of Pins**
168 pins
- ❖ **Compatible:**
PC100 compatible

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 - PCL 6, uninstalling, 2*
 - PostScript, uninstalling, 4*



Declaration of Conformity

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



Caution (in case of 100BaseTX environment):

Properly shielded and grounded cables (STP) and connectors must be used for connections to host computer (and/or peripheral) in order to meet EMC Directive 89/336/EEC emission limits.





PRINTER Controller Type 850 Operating Instructions

