



Printer/Scanner Kit Type 1232



Operating Instructions Printer Reference 2



-
- 1** Setting Up the Printer Driver and Canceling a Print Job
 - 2** Uninstalling the Printer Driver
 - 3** Printing with the Control Panel
 - 4** Troubleshooting
 - 5** Using the Control Panel
 - 6** Appendix

Introduction

This manual describes detailed instructions on the operation and notes about the use of this machine. To get maximum versatility from this machine all operators are requested to read this manual carefully and follow the instructions. Please keep this manual in a handy place near the machine.

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.

Warning:

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

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The proper names of the Windows operating systems are as follows:

- The product name of Windows® 95 is Microsoft®Windows® 95
- The product name of Windows® 98 is Microsoft®Windows® 98
- The product name of Windows® Me is Microsoft®Windows®Millennium Edition (Windows Me)
- The product name of Windows® XP are as follows:
Microsoft®Windows® XP Professional
Microsoft®Windows® XP Home Edition
- The product name of Windows® 2000 are as follows:
Microsoft® Windows® 2000 Advanced Server
Microsoft® Windows® 2000 Server
Microsoft® Windows® 2000 Professional
- The product name of Windows® NT are as follows:
Microsoft® Windows NT® Server 4.0
Microsoft® Windows NT® Workstation 4.0
- Microsoft® Windows NT® Workstation operating system Version 4.0

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.

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Manuals for This Machine

The following manuals describe the operational procedures and maintenance of this machine.

To enhance safe and efficient operation of this machine, all users should read and follow the instructions carefully.

❖ **General Settings Guide**

Provides an overview of the machine. This manual introduces the functions of the machine. It also introduces the options that allow you to use additional functions and describes how to access the system user tools to make the machine easier to use.

❖ **Copy Reference**

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

❖ **Printer/Scanner Kit Type 1232 Printer Reference 1**

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

❖ **Printer/Scanner Kit Type 1232 Printer Reference 2**

Describes procedures and provides information about using this machine as a printer. This manual is included as a PDF file on the CD-ROM labeled "Operating Instructions"(this manual).

❖ **Network Printing Guide Operating Instructions**

Describes procedures and provides information about setting up and using the machine as a printer in a network environment. We recommend you read this manual first. It is included as a PDF file on the CD-ROM labeled "Operating Instructions" .

❖ **PostScript 3 Board Type 1232 Operating Instructions Supplement**

Describes menus and features you can set using the PostScript 3 printer driver. This manual is provided as a PDF file on the CD-ROM labeled "Operating Instructions".

Note

- Printing with the PostScript 3 printer driver is available when the PostScript 3 board option is installed on your machine.

❖ **UNIX Supplement**

Provides information about setting up and using the machine as a printer in a UNIX environment. For UNIX printing information, please visit our web site or consult your authorized dealer.

❖ **Scanner Reference**

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

Note

- Scanner function is available when the Printer/Scanner option is installed on your machine.

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 and buttons that appear on the computer's display.

Keys that appear on the machine's panel display.

[]

Keys built into the machine's control panel.

Keys on the computer's keyboard.

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

Accessing the Printer Properties

Windows 95/98/Me - Accessing the Printer Properties

Changing the default machine settings

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

The **[Printers]** window appears.

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

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

The **[Printer Properties]** dialog box appears.

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

 **Note**

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

Making machine settings from an application

To make the machine settings for a specific application, open the **[Printer Properties]** dialog box from that application. The following example describes how to make settings for the WordPad application that comes with Windows 95/98/Me.

 **Note**

- The actual procedures you should follow to open the **[Printer Properties]** dialog box may vary 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 machine you want to use in the **[Name]** list box, and then click **[Properties]**.

The **[Printer Properties]** dialog box appears.

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

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

Windows 2000/XP - Accessing the Printer Properties

1

Changing the default machine settings - Printer Properties

 **Limitation**

- Changing the setting of the machine 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.

 **Note**

- In Windows XP Professional, access the **[Printers and Faxes]** window from **[Start]** on the taskbar.
- In Windows XP Home Edition, access the **[Printers and Faxes]** window by clicking **[Control Panel]** from **[Start]** on the taskbar. Then click **[Printers and Other Hardware]**, and then **[Printers and Faxes]**.

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

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

The **[Printer Properties]** dialog box appears.

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

 **Note**

- You normally do not have to change the “Form to Tray Assignment” settings on the **[Device Settings]** tab in the PostScript 3 printer driver.
- Settings you make here are used as the default settings for all applications.

Changing the default machine settings - Printing Preferences Properties

 **Limitation**

- Changing the setting of the machine 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.

 **Note**

- In Windows XP Professional, access the **[Printers and Faxes]** window from **[Start]** on the taskbar.
- In Windows XP Home Edition, access the **[Printers and Faxes]** window by clicking **[Control Panel]** from **[Start]** on the taskbar. Then click **[Printers and Other Hardware]**, and then **[Printers and Faxes]**.

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

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

The **[Printing Preferences Properties]** dialog box appears.

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

 **Note**

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

Making machine settings from an application

To make the machine settings for a specific application, open the **[Print]** dialog box from that application. The following example describes how to make settings for the WordPad application that comes with Windows 2000/XP.

 **Note**

- The actual procedures you should follow to open the **[Print]** dialog box may vary 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 machine you want to use in the **[Select Printer]** box.

Click the tab that you want to change its print settings.

 **Note**

- In Windows XP, click **[Preference]** to open the Printing Preference window.

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

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

 **Note**

- In Windows XP, click **[Print]** to start printing.

Windows NT 4.0 - Accessing the Printer Properties

1

Changing the default machine settings - Printer Properties

Limitation

- Changing the setting of the machine requires Full Control access permission. Members of 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 machine whose default settings you want to change.

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

The **[Printer Properties]** dialog box appears.

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

Note

- You normally do not have to change the “Form to Tray Assignment” settings on the **[Device Settings]** tab in the PostScript 3 printer driver.
- Settings you make here are used as the default settings for all applications.

Changing the default machine settings - Default Document Properties

Limitation

- Changing the setting of the machine 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 machine whose default settings you want to change.

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

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

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

Note

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

Making machine settings from an application

To make the machine settings for a specific application, open the **[Printer Properties]** dialog box 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 **[Printer Properties]** dialog box may vary 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 machine you want to use in the **[Name]** list box, and then click **[Properties]**.

The **[Printer Properties]** dialog box appears.

3 Make any settings you require, and then 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]**.

The **[AdobePS Page Setup]** dialog box appears.

3 Make sure that the machine you want to use is shown in the **[Format for:]** box.

Note

- In Mac OS X, this is called **[Paper Size]**.
- If the machine is not shown in the **[Format for:]** box, use the pop-up menu to display a list of available machines.

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

1

Setting up for printing from an application

- 1** Open the file you want to print.
- 2** On the **[File]** menu, click **[Print]**.
The **[Printer Features]** dialog box appears.
- 3** Make sure that the machine is selected in the **[Printer:]** box.
- 4** Make any settings you require, and then click **[Print]** to start printing.

Cancelling a Print Job

Windows - Cancelling a Print Job

1

1 Double-click the printer icon on the Windows taskbar.

A window appears, showing all the print jobs that are currently queuing to be printed. Check the current status of the job you want to cancel.

2 Select the name of the job you want to cancel.

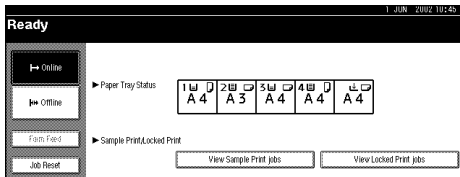
3 On the [Document] menu, click [Cancel Printing].

Note

- In Windows XP, click [Cancel] on the [Document] menu.
- In Windows 95/98/Me, 2000 or NT 4.0, you can also open the print job queue window by double-clicking the machine icon in the [Printers] window, and in Windows XP, the [Printers and Faxes] window.

4 Press the [Printer] key on the machine's control panel.

5 Press [Job Reset] on the display panel.



A message appears on the display panel indicating that the print job is being cancelled.

Important

- This procedure cancels the print job that is being processed by the machine. In some cases, the machine may already be processing data for the next print job following the one currently being output. In this case, the next print job is also cancelled when you press [Job Reset].
- When the machine 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 machine. Because of this, printing may continue for a few pages after you press [Job Reset].
- A print job that contains a large volume of data may take considerable time to stop.

Macintosh - Cancelling a Print Job

1

1 Double-click the printer icon on the desktop.

A window appears, showing all the print jobs that are currently queuing to be printed. Check the current status of the job you want to cancel.

Note

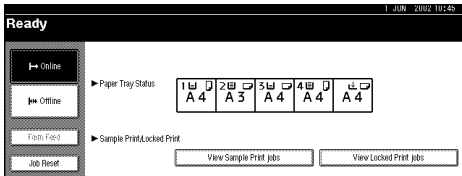
- In Mac OS X, start Print Center.

2 Select the name of the job you want to cancel.

3 Click the pause icon, and then click the trash icon.

4 Press the **[Printer]** key on the machine's control panel.

5 Press **[Job Reset]** on the display panel.



A message appears on the display panel indicating that the print job is being cancelled.

Important

- This procedure cancels the print job that is being processed by the machine. In some case, the machine may already be processing data for the next print job following the one currently being output. In this case, the next print job is also cancelled when you press **[Job Reset]**.
- When the machine 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 machine. Because of this, printing may continue for a few pages after you press **[Job Reset]**.
- A print job that contains a large volume of data may take considerable time to stop.

2. Uninstalling the Printer Driver

Uninstalling the Printer Driver

This section describes how to uninstall the printer drivers. Actual procedures may vary depending on the operating system.

Follow the procedures below as appropriate.

Windows 95/98/Me - Uninstalling the 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 machine 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/XP - Uninstalling the 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 then click **[Printers]**.
The **[Printers]** window appears.

Note

- In Windows XP Professional, access the **[Printers and Faxes]** window from **[Start]** on the taskbar.
- In Windows XP Home Edition, access the **[Printers and Faxes]** window by clicking **[Control Panel]** from **[Start]** on the taskbar. Then click **[Printers and Other Hardware]**, and then **[Printers and Faxes]**.

- 3** Click the icon of the machine you want to remove.

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

A confirmation dialog box appears.

5 Click **[Yes]** to uninstall the printer driver. **Note**

You can also uninstall the printer driver using the following procedure.

- Windows 2000
 - ① In the **[Printers]** window, click **[Server Properties]** on the **[File]** menu to display the **[Print Server Properties]** window.
 - ② On the **[Drivers]** tab, click the driver you want to remove, and then click **[Remove]**.
 - ③ Click **[Yes]**.
 - ④ Click **[OK]**.
- Windows XP
 - ① In the **[Printers and Faxes]** window, click **[Server Properties]** on the **[File]** menu to display the **[Print Server Properties]** window.
 - ② On the **[Drivers]** tab, click the driver you want to remove, and then click **[Remove]**.
 - ③ Click **[Yes]**.
 - ④ Click **[OK]**.

Windows NT 4.0 - Uninstalling the 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 machine you want to remove.**4** On the **[File]** menu, click **[Delete]**.

A confirmation dialog box appears.

5 Click **[Yes]** to uninstall the printer driver.

Mac OS - Uninstalling the PostScript 3 Printer Driver

- 1** Drag the “AdobePS” file from the [Extensions] folder in [System Folder] to [Trash].
- 2** Drag the PPD file and plug-in file from the [Printer Descriptions] folder in the [Extensions] folder in [System Folder] to [Trash].

Mac OS X - Uninstalling the PostScript 3 Printer Driver

- 1** Run Print Center.
- 2** Select the printer driver you want to uninstall in the Printer List window, and then click [Delete].

3. Printing with the Control Panel

Sample Print

Use this function to print only the first set of a multiple-set print job. After you have checked the result, the remaining sets can be printed or cancelled from the machine's control panel. This can help in avoiding large amounts of misprints in case of mistakes in the content or in the print settings.

Note

- If the application has a collate option, make sure that 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 print dialog box, more prints than intended may be printed.
- You can identify the file you want to print by the User ID and the date and time when the job was stored.
- The number of pages the machine can save depends on the contents of the print image. For example, the machine can save up to 30 jobs or 1,000 pages including locked print files depending on data volume.
- If the first set of the sample print files is not as you expected and you do not want to print the 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.

Printing a Sample Print File

The following procedure describes how to print a sample print file with the PCL 5c printer driver. For information about how to print a sample print file with the PostScript 3 printer driver, see the *PostScript3 Board Type 1232 Operating Instructions Supplement* included as a PDF file on the CD-ROM.

Limitation

- Applications, like PageMaker, which use their own drivers do not work with this function.

1 Configure the sample print in the properties of the printer driver.

Reference

For details on configuring the PCL 5c or RPCS™ printer driver, see the corresponding Help files.

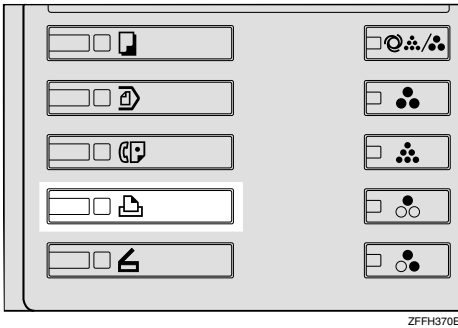
2 Click [OK] in the application's print dialog box to start printing.

Note

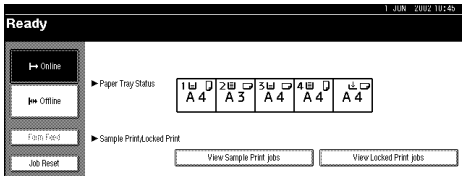
- Make sure to set more than 2 copies.

The sample print job is sent to the machine and the first set is printed.

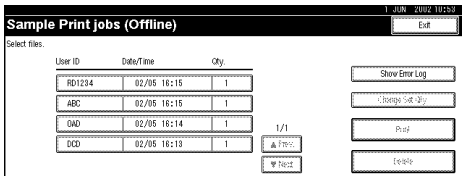
3 On the machine's control panel, press the **[Printer]** key to display the Printer Screen.



4 Press **[View Sample Print jobs]**.



A list of the sample print files stored in the machine is displayed.



The following will also be displayed:

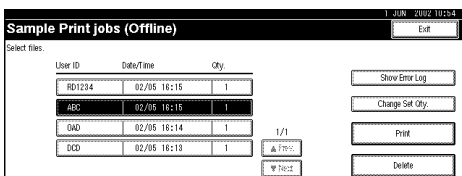
- User ID: The User ID set up by the printer driver.
- Date/Time : The date and time when the job was sent from the computer.
- Qty.: The number of remaining sets.

5 Select the file you want to print by pressing on it.

Note

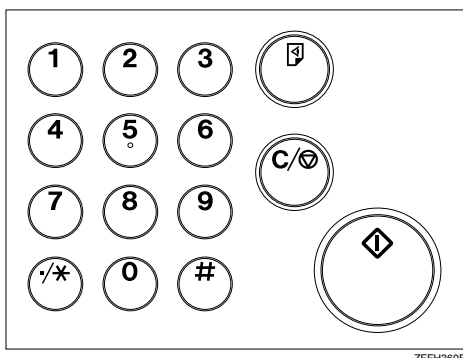
- Press **[▲Prev.]** or **[▼Next]** to scroll through the list.
- Only one file can be selected at a time.

6 Press **[Change Set Qty.]** to change the number of sets to be printed.



If you do not want to change the set quantity, proceed to step **8**.

7 Enter the new number of sets using the number keys and press [OK].



The screen returns to the file list screen.

Note

- You can enter up to 999 sets.
- Press **[Clear]** to correct any entry mistakes.
- If you want to cancel changing the set quantity, press **[Cancel]**.

8 Press **[Print]**.

The print confirmation screen is displayed.

9 Press **[Yes]**.

The remaining sets are printed.

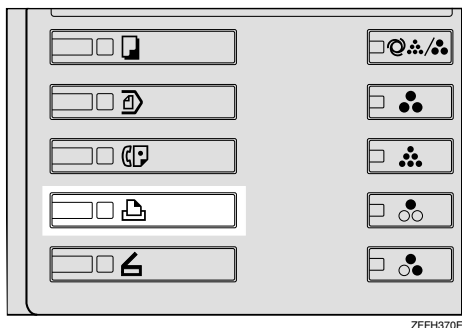
Note

- Press **[No]** to cancel printing.
- When printing is completed, the stored file will be deleted.
- If printing is stopped by pressing **[Job Reset]** after printing has started, the file will be deleted.

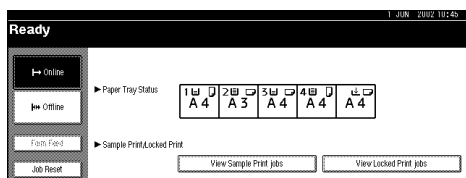
Deleting a Sample Print File

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 fine.

1 Press the **[Printer]** key to display the Printer Screen.



2 Press **[View Sample Print jobs]**.



A list of the sample print files stored in the machine is displayed.

3 Select the file you want to delete by pressing on it.

Note

- Press **[▲Prev.]** or **[▼Next]** to scroll through the list.
- Only one file can be selected at a time.

4 Press **[Delete]**.

The delete confirmation screen will be displayed.

5 Press **[Yes]** to delete the file.

After the file has been deleted the screen will return to the file list screen.

Note

- If you do not want to delete the file, press **[No]**.

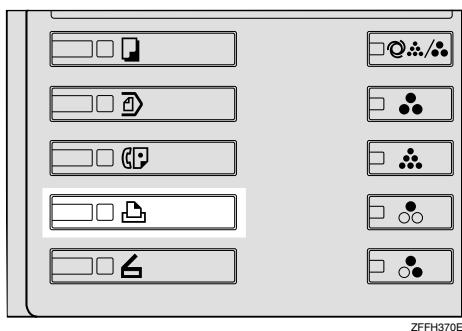
Checking the Error Log

If a file could not be stored in the machine, you can check the error log on the control panel.

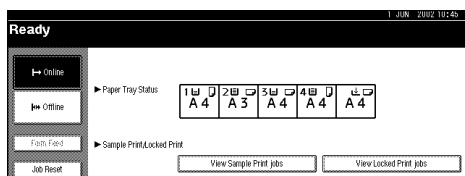
! Limitation

- The error log displays only the 20 most recent entries. If the power is turned off, the log will be deleted.

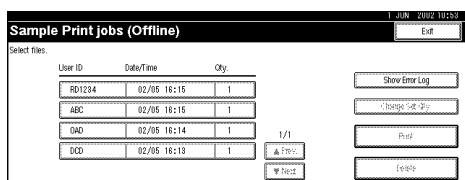
1 Press the [Printer] key to display the Printer Screen.



2 Press [View Sample Print jobs].



3 Press [Show Error Log].



4 Press [▲Prev.] or [▼Next] to scroll the error files.

Press [Exit] after checking the log.

You will then return to the file list screen.

📝 Note

- For printing files that appear in the error log, resend them after stored files in the machine have been printed or deleted.

Locked Print

Use this function to maintain privacy when printing confidential documents on the machine over a shared network. Usually, it is possible to print data by using the control panel once the data is stored in this machine. When using Locked Print, it will not be possible to print unless a password is entered on the machine's control panel. Your confidential documents will be safe from viewing by other people.

Note

- If the application has a collate option, make sure that it is not selected before sending a print job. By default, locked print jobs are automatically collated by the printer driver. If a collate option is selected from the application print dialog box, more sets than intended may be printed.
- You can identify the file you want to print by the User ID and the date and time when the job was stored.
- The number of pages the machine can save depends on the contents of the print image. For example, the machine can save up to 30 jobs or 1,000 pages including sample print files depending on data volume.
- After the locked print file is printed, the job in the machine is deleted automatically.
- Turning off the main power switch of the machine deletes the locked print file.

Printing a Locked Print File

The following procedure describes how to print a locked print file with the PCL 5c printer driver. For information about how to print a locked print file with the PostScript 3 printer driver, see the *PostScript 3 Board Type 1232 Operating Instructions Supplement* included as a PDF file on the CD-ROM.

Limitation

- Applications, like PageMaker, which use their own drivers do not work with this function.

1 Configure the locked print in the properties of the printer driver.

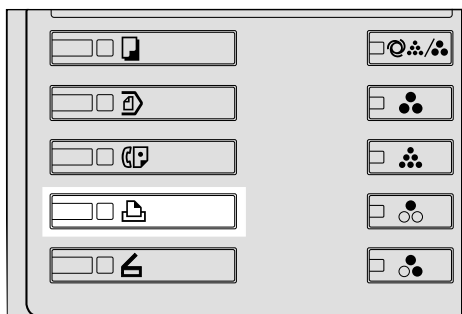
Reference

For details on configuring the PCL 5c or RPCS™ printer driver, see the corresponding Help files.

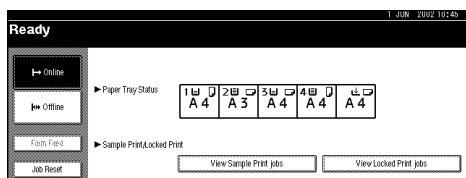
2 Click [OK] in the application's print dialog box to start printing.

The locked print job is sent to the machine.

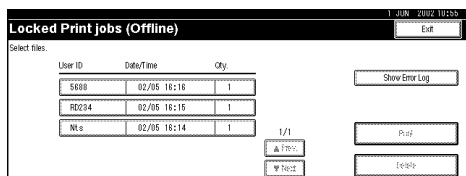
- On the machine's control panel, press the **[Printer]** key to display the Printer Screen.



- Press **[View Locked Print jobs]**.



A list of the locked print files stored in the machine is displayed.



The following will be also be displayed:

- User ID: The User ID set up by the printer driver.
- Date/Time: The date and time when the job was sent from the computer.
- Qty: The number of remaining sets.

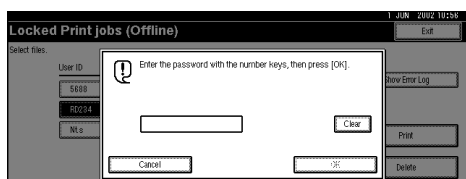
- Select the file you want to print by pressing on it.

Note

- Press **[▲Prev.]** or **[▼Next]** to scroll through the list.
- Only one file can be selected at a time.

- Press **[Print]**.

The password screen is displayed.



7 Enter the password using the number keys and press [OK].

The print confirmation screen is displayed.

Note

- A confirmation screen will appear when the password has not been entered correctly. Press [OK] to enter the password again.

8 Press [Yes].

The locked file is printed.

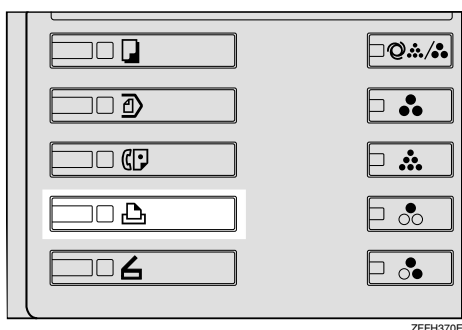
Note

- Press [No] to cancel printing.
- If printing is stopped by pressing [Job Reset] after printing has started, the file will be deleted.

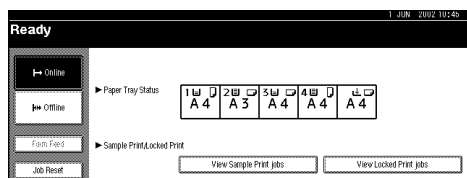
3

Deleting Locked Print Files

1 Press the [Printer] key to display the Printer Screen.



2 Press [View Locked Print jobs].



A list of the locked files stored in the machine is displayed.

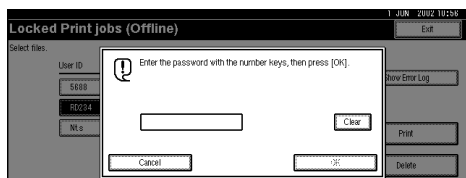
3 Select the file you want to delete by pressing on it.

Note

- Press [▲Prev.] or [▼Next] to scroll through the list.
- Only one file can be selected at a time.

4 Press **[Delete]**.

The password screen is displayed.

**5** Enter the password using the number keys and press **[OK]**.

The delete confirmation screen is displayed.

6 Press **[Yes]**.

After the file has been deleted, the screen returns to the file list screen.

Note

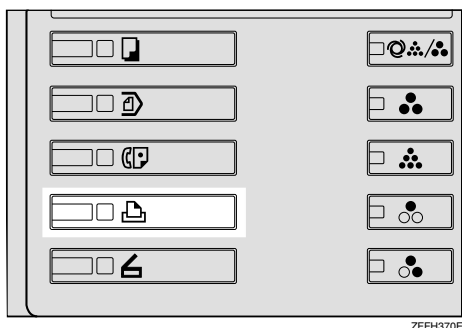
- If you do not want to delete the file, press **[No]**.
- If you forget your password, set **[Display Password with Stored File]** to "ON" on the **[Key Operator Tools]** tab of the System Settings screen. With this setting, the password screen is not displayed in the procedure above. For more information about **[Display Password with Stored File]**, see the *General Settings Guide*.

Checking the Error Log

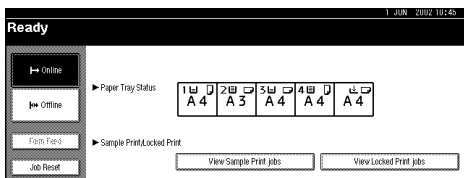
If a file could not be stored in this machine, you can check the error log on the control panel.

Limitation

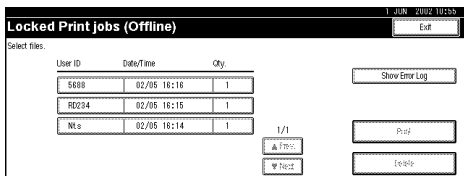
- The error log displays only the 20 most recent entries. If the power is turned off, the log will be deleted.

1 Press the **[Printer]** key to display the Printer Screen.

2 Select [View Locked Print jobs].



3 Press [Show Error Log].



4 Press [**▲**Prev.] or [**▼**Next] to scroll the error files.

Press [**Exit**] after checking the log.

You will then return to the file list screen.

Note

- For printing files that appear in the error log, resend them after stored files in the machine have been printed or deleted.

Accessing the Document Server

The Document Server enables you to save documents in the machine's built-in hard disk to edit and print as you want.

Reference

For more information about Document Server functions, see the *General Settings Guide*.

For information about how to access to Document Server from a client, see the printer driver's Help.

Note

- When you use the Document Server, the following can be selected using the machine's control panel:
 - Copies
 - Collate
 - Duplex
 - Staple
 - Paper Source
 - 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 of up to eight alphanumeric characters.
- You had better enter "Password" and "File Name" to distinguish the job from others.
- Up to 1,000 files can be saved on the Document Server. No new files can be saved once 1,000 files are saved. Even if less than 1,000 files are saved, new files cannot be saved when
 - a file to be saved contains more than 1,000 pages,
 - the total number of pages contained in files saved exceeds 2,000,
 - the hard disk is full.
- The Document Server also saves files scanned via Automatic Document Feeder (ADF) or exposure glass. You should delete unnecessary saved files once in a while so as not to exceed the capacity of the hard disk. For how to delete saved files, see the *General Settings Guide*.
- When using the hard disk for functions other than Document Server functions, you may be unable to save new files on the Document Server even if there are less than 1,000 files saved.


4. Troubleshooting

Error & Status Messages on the Display Panel



❖ Status Messages


Messages/Second messages	Status
Hex Dump Mode	The machine receives data in hexadecimal numbers in Hex Dump mode. Turn off the machine after printing, and then turn back on.
Offline	The machine is offline. Set the machine online by pressing [Online] on the display panel to start printing.
Please Wait	The machine is initializing the development unit. Wait for a while.
Printing...	The machine is making prints. Wait for a while.
Ready	The default ready message. The machine is ready for use. No action is required.
Resetting Job...	The machine is resetting the print job. Wait until "Ready" appears on the display panel.
Waiting...	The machine is waiting for the next data to print. Wait for a while.




❖ Alert Messages

Messages/Second messages	Description	Solution
Close duplex unit cover.	The cover of the duplex unit is open.	Close the cover of the duplex unit.
Close ### cover	The cover of the indicated paper tray is open.  Note <input type="checkbox"/> "###" in the message represents a paper feed tray.	Close the cover of a paper feed tray.
Collate has been cancelled.	The collate print function has been cancelled.	Increase memory capacity. When adding a memory module to the machine, contact your sales or service representative.
DIMM has a problem.	An error has occurred in the DIMM inside the machine.	Contact your sales or service representative.

Messages/Second messages	Description	Solution
Driver setting error. (Memory)	There is an error in the downloaded font(s).	Reset the parameter for downloading fonts.
	Insufficient memory or memory settings for the printer driver may not match memory actually installed.	Specify correct memory capacity in the [Change Accessories...] option in the RPCS™ printer driver's print settings tab.
		To print the image correctly, increase memory capacity, or reduce resolution image.
Duplex has been cancelled.	Duplex printing has been cancelled.	Confirm that the paper used is suitable for duplex printing. Or, increase memory capacity. When adding a memory module to the machine, contact your sales or service representative.
Ethernet board has a problem.	An error has occurred in the Ethernet board.	Turn off the main power switch, and on. If the message appears again, contact your sales or service representative.
Exceeded max capacity of document server. Cannot stored.	Hard disk drive capacity exceeded storing to the document server.	Delete files stored in the document server or decrease the file size to be downloaded.
Exceeded max number of files of document server. Cannot stored.	The maximum number of files stored in the document server has been exceeded.	Delete files stored in the document server.
Exceeded max number of pages of document server. Cannot stored.	The maximum number of pages stored in the document server has been exceeded.	Delete pages stored in the document server or decrease the number of pages to be downloaded.
Exceeded Max. stored files in sample print and locked print.	The maximum number of stored files has been exceeded during Sample Print or Locked Print.	Delete stored files or reduce file sizes.
Exceeded Max. stored pages in sample print and locked print.	The maximum number of stored pages has been exceeded during Sample Print or Locked Print.	Reduce the number of pages to be printed.
Exceeded Max. pages. Collate is incomplete.	The maximum number of pages has been exceeded for collation.	Increase memory capacity. When adding a memory module to the machine, contact your sales or service representative.
Finisher is in use for another function. Please wait.	The finisher is in use by another function such as the copier function.	Wait until the other function has finished using the finisher.

Messages/Second messages	Description	Solution
Following output tray is full. ###	The indicated output tray is full.  Note <input type="checkbox"/> "###" in the message represents a output tray.	Remove the paper.
HDD has a problem.	An error has occurred in the hard disk drive.	Turn off the main power switch, and on. If the message appears again, contact your sales or service representative.
HDD has not been installed.	The Locked Print was performed without the hard disk installed, or the hard disk is damaged.	Install the hard disk if not installed. If the message appears again after the hard disk is installed, contact your sales or service representative.
HDD is full.	The maximum hard disk area size for form /font has been exceeded.	Delete unused form /font types.
	An HDD overflow error occurred during Sample Print or Locked Print.	Delete stored files or reduce the file to be downloaded.
IEEE 802.11b (Wireless LAN) has a problem.	IEEE 802.11b card was not inserted when the machine was turned on, or it was pulled out after the machine turned on.	Turn off the machine and check the IEEE 802.11b card is inserted correctly. Then, turn on the machine again. If the message appears again, call your service center.
I/O buffer overflow.	The maximum size of the I/O buffer has been exceeded.	Increase the size of the I/O buffer.
LCT has a problem. Turn Main Power Switch off then on. If the error appears again, call service representative.	An error occurred in the large capacity tray.	Turn off the main power switch, wait five minutes, and on again. If the message appears again, call your sales or service representative.
 Lower Staple is almost empty.	There are a few staples remaining in the lower stapler.	Load in more staples.
NV-RAM has a problem.	An error has occurred in the optional memory unit.	Turn off the main power switch, and on. If the message appears again, call your sales or service representative.
Output tray has been changed.	The output tray has been changed automatically.	Select the proper output tray.
Paper in duplex unit. Open cover and remove paper.	There is a misfeed in the duplex unit.	Open the cover of the duplex unit, and remove the misfed paper.
Paper in staple tray. Open finisher cover and remove paper.	There is paper remaining inside the finisher.	Open the cover of finisher, and remove the paper.

Messages/Second messages	Description	Solution
Paper size and type are mismatched.	Specified paper size and paper type are not loaded in the paper feed tray.	Change the settings to continue the current job, or press [Reset] to cancel the job.
Parallel I/F board has a problem.	An error has occurred in the parallel interface board.	Contact your sales or service representative.
Print overrun.	The image data has been thinned out due to image compression.	Increase memory capacity. When adding a memory module to the machine, contact your sales or service representative.
Reset duplex unit correctly. If the error appears again, call service representative.	The duplex unit is not set correctly, or an error has occurred in the duplex unit.	Set the duplex unit correctly. If the message appears again, call your sales or service representative.
RPCS graphic error.	There is insufficient graphics memory to print the data.	Specify the correct memory capacity in the [Change Accessories..] option in the RPCS™ printer driver's print settings tab.
		To print the image correctly, add memory to the machine, or reduce the resolution of the image.
RPCS memory overflow.	A memory overflow occurred during the print job. After part of the data is printed, the print job is suspended.	To print the image correctly, add memory to the machine, or reduce resolution.
RPCS syntax error.	Bidirectional transmission may not be working properly or the RPCS™ printer driver settings may not be correct.	Confirm the option settings for the printer driver match the options installed on the machine.
Selected paper tray is in use for another function. Please wait.	The specified paper tray is in use by another function such as copier function.	Wait until the other function has finished using the specified paper tray.
Shift tray has a problem. Call service representative.	A malfunction occurs when using the shift function.	Contact your sales or service representative.
Staple has been cancelled.	Staple printing has been cancelled.	Confirm paper feed direction, paper orientation and stapling position.
 Staple is almost empty.	There are a few staples remaining.	Load in more staples.
Staple unit is in use for another function. Please wait.	The staple unit is in use by another function such as copier function.	Wait until the other function has finished using the staple unit.

Messages/Second messages	Description	Solution
*** No toner. Replace Toner Cartridge.	The indicated colour toner has almost run out.  Note <input type="checkbox"/> “***” in the message represents the colour: Black, Yellow, Magenta, or Cyan.	Replace the toner cartridge with a new one.
 Toner is almost empty.	The toner has almost run out.	Replace the toner cartridge with a new one.
Tray ### has a problem. Turn Main Power Switch off then on. If the error appears again, call service representative.	An error has occurred in the indicated paper feed tray.  Note <input type="checkbox"/> “###” in the message represents a paper feed tray.	Turn off the main power switch, wait five minutes, and on again. If the message appears again, call your sales or service representative.
Unauthorized user access. Print job has been cancelled.	Print job cancelled due to user restrictions.	Check the User Code permission condition.

Machine Configuration

You can check the machine configuration using telnet or UNIX.

❖ telnet

Use the info command.

❖ UNIX

Use the lpr or lpstat command or stat parameter of rsh, rcp, or ftp.

Reference

For more information, see “Remote Maintenance by Telnet (mshell)”, the *Network Printing Guide* provided as a PDF file on the CD-ROM labeled “Operating Instructions”.

Note





























- “*” (asterisk) is displayed with the current setting.
- Regarding *1–*5, see table below.

Item	Description
Input Tray	
No.	ID number of the paper tray
Name	Name of the paper tray* ¹
PaperSize	Paper size loaded in the paper tray* ²
Status	Current status of the paper tray* ³
Output Tray	
No.	ID number of the output tray
Name	Name of the output tray* ⁴
Status	Current status of the output tray* ⁵

◆ *1 Input Tray: Name

Name	Description
Tray X	Name of installed paper tray (X is the number of tray.)
Tray 3 (LCT)	Large Capacity Tray (LCT)
Bypass Tray	Bypass tray

◆ *2 Input Tray: Paper Size

Paper Size	Description
A3 (297 × 420)	A3 
B4JIS (257 × 364)	B4 
A4 (297 × 210)	A4 
A4 (210 × 297)	A4 
B5JIS (257 × 182)	B5 
B5JIS (182 × 257)	B5 
A5 (210 × 148)	A5 
A5 (148 × 210)	A5 
A6 (105 × 148)	A6 
11 × 17	DLT 
8 ¹ / ₂ × 14	LG 
8 ¹ / ₂ × 11	LT 
11 × 8 ¹ / ₂	LT 
5 ¹ / ₂ × 8 ¹ / ₂	HLT 
8 ¹ / ₂ × 5 ¹ / ₂	HLT 
Custom Size	Custom Size
10 ¹ / ₂ × 7 ¹ / ₄	Executive 
7 ¹ / ₄ × 10 ¹ / ₂	Executive 
8 ¹ / ₄ × 13	Folio 
8 ¹ / ₂ × 13	Foolscap 
4 ¹ / ₈ × 9 ¹ / ₂	Com10 
3 ⁷ / ₈ × 7 ¹ / ₂	Monarch 
DL Env (110 × 220)	DL Env 
C5 Env(162 × 229)	C5 Env 
C6 Env(114 × 162)	C6 Env 
8 × 13	8"×13" 
8K (267 × 390)	8K 
16K (195 × 267)	16K 
16K (267 × 195)	16K 

❖ *3 Input Tray: Status

Status	Description
Normal	—
NoTray	There is no paper tray
PaperEnd	There is no paper in the paper tray

❖ *4 Output Tray: Name

Name	Description
Internal Tray 1	Internal Tray 1
Internal Tray 2	Internal Tray 2
Shift Tray	Shift Tray
Finisher Tray	Finisher Tray (Finisher 500)
Finisher Proof Tray	Finisher Proof Tray (Finisher 1000)
Finisher Shift Tray	Finisher Shift Tray (Finisher 1000)

❖ *5 Output Tray: Status

Status	Description
Normal	----
PaperExist	There is paper in the output tray
OverFlow	Output tray is full of paper
Error	Other error

Machine Does Not Print

4

Possible Cause	Solutions
Is the power on?	Confirm the cable is securely plugged into the power outlet and the machine. Turn on the main power switch.
Is the machine online?	If not, press [Online] on the display panel.
Does the printer function status indicator stay red?	If so, check the error message on the display panel and take the required action.
Is there a warning status or error message on the display panel?	If so, check the error message or warning status on the display panel and take the required action.
Can you print a configuration page?	If you cannot print a configuration page, there maybe a machine malfunction. Contact your sales or service representative. See p.52 "Machine Condition" for printing a configuration page.
Is the interface cable connected securely to the machine and the computer?	Connect the interface cable securely. If it has a fastener, fasten that securely as well. See "Connecting the Machine", <i>Printer Reference 1</i> .
Are you using the correct interface cable?	The type of interface cable you should use depends on the computer. Be sure to use the correct one. If the cable is damaged or worn, replace it. See "Connecting the Machine", <i>Printer Reference 1</i> .
Was the interface cable connected after the machine was turned on?	Connect the interface cable before turning on the machine.
Is the signal status satisfactory when using wireless LAN in Infrastructure mode ?	To check the signal status, press [User Tools/Counter/Inquiry] on the control panel, and then [System Settings] on the display panel. On the [Interface Settings] tab, select [IEEE 802.11b] and then press [Wireless LAN Signal] . If signal quality is bad, move the machine to a location where signals pass or remove any objects that block signals.
When using Wireless LAN, is the SSID correctly set?	Confirm the machine's display panel that the SSID is correctly set. See "Interface Settings/IEEE 802.11b (Option)", <i>General Settings Guide</i> .
When using a Wireless LAN, is the access point correctly set?	Confirm the access point settings when in Infrastructure mode. Depending on the access point, client access may be limited by the MAC address. Also, confirm there are no problems in transmission between access point and wired clients, and between access point and wireless clients.
When using Wireless LAN, is the LED on the Wireless LAN card lit or blinking?	Confirm the orange LED is lit, and the green LED is lit or blinks during transmission.
Is the Wireless LAN being used in Ad Hoc mode?	In that case, turn the main power switch off and on. Also, changing some of the settings in [Network] on the [Interface Settings] tab in [System Settings] on the display panel may solve the problem.

Possible Cause	Solutions
Is the Data In indicator blinking or lit after starting the print job?	<p>If not, the data is not being sent to the machine.</p> <ul style="list-style-type: none"> ❖ When the machine is connected to the computer using the interface cable <p>Confirm that the machine port settings are correct. For a parallel port connection, port LPT1 or LPT2 should be set.</p> <ul style="list-style-type: none"> • Windows 95/98/Me <ol style="list-style-type: none"> ① Click [Start], point to [Settings], and then click [Printers]. ② Click the icon of the machine. On the [File] menu, click [Properties]. ③ Click the [Details] tab. ④ Check the [Print to the following port] box to confirm that the correct port is selected. • Windows 2000 <ol style="list-style-type: none"> ① Click [Start], point to [Settings], and then click [Printers]. ② Click the icon of the machine. On the [File] menu, click [Properties]. ③ Click the [Port] tab. ④ Check the [Print to the following port] box to confirm that the correct port is selected. • Windows XP Professional <ol style="list-style-type: none"> ① Click [Start], and then click [Printers and Faxes]. ② Click the icon of the machine. On the [File] menu, click [Properties]. ③ Click the [Ports] tab. ④ Check the [Point to the following port(s)] box to confirm that the correct port is selected. • Windows XP Home Edition <ol style="list-style-type: none"> ① Click [Start], [Control Panel], [Printers and Other Hardware], and then [Printers and Faxes]. ② Click the icon of the machine. On the [File] menu, click [Properties]. ③ Click the [Ports] tab. ④ Check the [Point to the following port(s)] box to confirm that the correct port is selected. • Windows NT 4.0 <ol style="list-style-type: none"> ① Click [Start], point to [Settings], and then click [Printers]. ② Click the icon of the machine. On the [File] menu, click [Properties]. ③ Click the [Port] tab. ④ Check the [Print to the following port] box to confirm that the correct port is selected. ❖ Network Connection <p>Contact your network administrator.</p>

Other Printing Problems

Status	Possible Causes, Descriptions, and Solutions
The print on the entire page is faded.	<p>If "Toner Saver" is selected in the [Print Quality] tab on the printer driver tab, the entire page will be faded when printed.</p> <p>See the printer driver's Help.</p>
The print smudges.	<p>The settings have not been set to thick paper when printing on thick paper.</p> <ul style="list-style-type: none"> • PCL 5c/PostScript 3 Select "Thick" for [Type] on the printer driver's [Paper] tab. • RPCS™ Select "Thick Paper" for [Paper Type] on the printer driver's [Print Settings] tab.
The colour of the printout is different from the colour specified.	<p>If a specific colour is missing, turn the main power switch off and on. If this does not solve the problem, contact your sales or service representative.</p> <p>See the printer driver's Help.</p>
When printing graphic data, the output and the screen are different.	<p>If the printer driver is configured to use the graphics command, the graphics command from the machine is used to print.</p> <p>If you want to print accurately, set the printer driver to print without using the graphics command.</p> <p>See the printer driver's Help.</p>
Page layout is not as expected.	<p>Print areas differ depending on the machine used. Information that fits on a single page on one machine may not fit on a single page of another machine.</p> <p>Adjust the [Print Area] settings in the printer driver.</p> <p>See the printer driver's Help.</p>
Duplex printing is malfunctioning.	<ul style="list-style-type: none"> • Duplex printing cannot be done with paper set in the optional bypass tray. When using duplex printing, make settings to use paper from a tray other than the optional bypass tray. • Duplex printing cannot be done with thick paper, OHP transparencies, labels, or thin paper specified as the paper type. Specify another paper type. • Duplex printing cannot be done with a tray for which [1-Sided Copy] has been specified as "Paper Type" on the System Settings menu. Change the "Paper Type" setting for the tray to [2-Sided Copy] on the System Settings menu. See the <i>General Settings Guide</i>.

Status	Possible Causes, Descriptions, and Solutions
When using Windows 95/98/Me, Windows 2000/XP, or Windows NT4.0, either combined printing or book-bind print does not come out as expected.	Make sure the application's paper size and orientation settings match those of the printer driver. If a different paper size and orientation are set, select the same size and orientation.
When using Windows 95/98/Me, Windows 2000/XP, or Windows NT4.0, Auto Reduce/Enlarge print does not come out as expected.	
A print instruction was issued from the computer, but printing did not start.	User code management may have been set. Ask the administrator about valid user codes. To print, the user code must be entered from the printer driver.
The print job is not cancelled even when the machine is switched to offline status.	Even when the machine is offline, printing is performed when [Job Receive] has been set in "Signal Control" in the System Settings menu. Change the system setting of "Signal Control" to "Printer priority". See "User Tools (System Settings)", <i>General Settings Guide</i> .
Colour changes are extreme when adjusted using the printer driver.	<ul style="list-style-type: none"> • PCL 5c/Post Script 3 Do not make extreme settings for colour balance in the [Advanced] dialog box on the [Print Quality] tab in the printer driver's dialog box. • RPCS™ Do not make extreme settings for colour balance on the [Image Adjustments] tab in the [Change User Settings] dialog box on the [Print Quality] tab in the printer driver's dialog box. The colour sample does not show the colour of the printout. <p>See the printer driver's Help.</p>
Photo images are coarse.	Some applications lower print resolution.
Black gradation is not natural.	<ul style="list-style-type: none"> • PCL 5c/PostScript 3 Select "CMY+K" for [Gray Reproduction] in the printer driver's [Advanced] dialog box on the [Print Quality] tab. • RPCS™ Select "CMY+K" for [Gray Reproduction] on the [Image Adjustments] tab in the printer driver's [Change User Setting] dialog box on the [Print Quality] tab.

Status	Possible Causes, Descriptions, and Solutions
<p>Colour documents are printed in black and white.</p>	<p>The printer driver is not set up for colour printing.</p> <ul style="list-style-type: none"> • PCL 5c/PostScript 3 Select "Color" for [Color/Black and White] on the printer driver's [Setup] tab. • RPCS™ Select "Color" for [Color/Black and White] on the printer driver's [Print Settings] tab. <p>See the printer driver's Help.</p> <hr/> <p>Some applications print colour files in black and white.</p>
<p>Fine dot pattern does not print.</p>	<ul style="list-style-type: none"> • PCL 5c/PostScript 3 Change the [Dithering] setting in the [Advanced] dialog box on the printer driver's [Print Quality] tab. • RPCS™ Change the [Dithering] setting on the [Image Adjustments] tab in the [Change User Settings] dialog box on the [Print Quality] tab in the printer driver's dialog box. <p>See the printer driver's Help.</p>
<p>Images are cut off, or excess is printed.</p>	<p>You may be using paper smaller than the size selected in the application. Use the same size paper as that selected in the application. If you cannot load paper of the correct size, use the reduction function to reduce the image, and then print.</p> <p>See the printer driver's Help.</p>
<p>It takes too much time to complete the print job.</p>	<p>Photographs and other data intensive pages take a long time for the machine to process, so simply wait when printing such data.</p> <p>Changing the following settings with the printer driver may help to speed up printing.</p> <ul style="list-style-type: none"> • PCL 5c Select "600 dpi", and then select "Fast" for [Gradation] on the [Print Quality] tab in the printer driver's dialog box. • PostScript 3 Select "Fast" for [Gradation] on the [Print Quality] tab in the printer driver's dialog box. Select "Post Script (optimize for speed)" for PostScript output format on the [PostScript] tab in the printer driver's dialog box. • RPCS™ Select "600 × 600 dpi" for [Resolution] on the [Image Adjustments] tab in the [Change User Settings] dialog box on the [Print Quality] tab in the printer driver's dialog box. Select "Speed" for [Print priority] on [Print Quality] tab in the printer driver's dialog box. <p>See the printer driver's Help.</p> <hr/> <p>The data is so large or complex that it takes time to process. If the Data In indicator is blinking, data is being processed. Just wait until printing resumes.</p> <hr/> <p>If "Warming Up..." appears on the display panel, the machine is warming up. Wait for a while.</p>

Status	Possible Causes, Descriptions, and Solutions
It takes too much time to resume printing.	The data is so large or complex that it takes time to process. If the Data In indicator is blinking, data is being processed. Just wait until printing resumes.
	The machine was in Energy Saver mode. To resume from Energy Saver mode, it has to warm up, and this takes time. To disable Energy Saver mode, select "Off" for "Energy Saver 1" in the System Settings menu. See the <i>General Settings Guide</i> .
Paper is not fed from the selected tray.	When using a Windows operating system, printer driver settings override those set using the display panel. Set the desired input tray using the printer driver. See the printer driver's Help.
Solid areas, lines or text are shiny or glossy when created as a mixture of cyan, magenta, yellow.	Make the following settings with the printer driver. <ul style="list-style-type: none"> • PCL 5c Select "K(Black)" for [Gray Reproduction] in the printer driver's [Advanced] dialog box on the [Print Quality] tab. • PostScript 3 Select "Pure Black Text" for [Gray Reproduction] in the printer driver's [Advanced] dialog box on the [Print Quality] tab. • RPCS™ Select "K(Black)" for [Gray Reproduction] on the [Image Adjustments] tab in the printer driver's [Change User Settings] dialog box on the [Print Quality] tab.
Solid lines are printed as broken lines.	Make the following settings with the printer driver. <ul style="list-style-type: none"> • PCL 5c/PostScript 3 Change the [Dithering] setting in the [Advanced] dialog box under the printer driver's [Print Quality] tab. • RPCS™ Change the [Dithering] setting under the [Image Adjustments] tab in the [Change User Settings] dialog box, under the [Print Quality] tab in the printer driver's dialog box. See the printer driver's Help.
Optional components connected to the machine are not recognized when using Windows 95/98/Me, Windows 2000/XP, and Windows NT 4.0.	You have to configure the optional component in printer properties when bidirectional transmission is not enabled. See the printer driver's Help.
The colour of the printout is different from the colour on the computer's display.	The colours made using colour toner are different from colours on the display.
	When "Toner Saving" is checked on the [Print Quality] tab in the printer driver's dialog box, the colour gradation may appear differently. See the printer driver's Help.

Status	Possible Causes, Descriptions, and Solutions
Images are printed in the wrong orientation.	<p>The feed direction you selected and the feed direction selected in the printer driver's Option Setup of the printer driver might not be the same. Make the proper settings.</p> <p>See the printer driver's Help.</p>
The printed image is different the image on the computer's display.	<p>With certain functions, such as enlargement and reduction, the layout of the image might be different to that on the computer display.</p> <p>You might have selected to replace True Type fonts with machine fonts in the printing process.</p> <p>To print an image similar to the image on the computer display, make settings to print True Type fonts as an image.</p> <p>See the printer driver's Help.</p>
No transmission when you use 1394 interface connection	<p>Check using the following procedure.</p> <ol style="list-style-type: none"> ① Confirm the IEEE 1394 interface cable is connected securely. ② Restart the computer. If the error occurs even after executing the above operation, go to the following steps. ③ Unplug the IEEE 1394 interface cable that is connected to the computer. ④ Execute the utility tool for 1394 Interface Unit, which is stored in the following path in the CD-ROM labeled "Printer Drivers and Utilities". <code>\UTILITY\1394\</code> <p>Important</p> <ul style="list-style-type: none"> <input type="checkbox"/> For more information about using the utility tool for IEEE 1394, see the README file in the same directory on the CD-ROM. <ol style="list-style-type: none"> ⑤ Restart the computer.
Printing stops and a paper error is displayed if the custom size paper in the paper feed tray is specified when printing with the Post-Script 3 printer driver.	<p>Follow the one of the procedures below.</p> <ul style="list-style-type: none"> • Press [Job Reset] on the display panel to stop printing. Set the custom size paper in the bypass tray, and then start printing. • Select the paper feed tray with custom size paper, and then press [Continue] to force printing.

 **Note**

- If the problem cannot be solved, contact your sales or service representative.

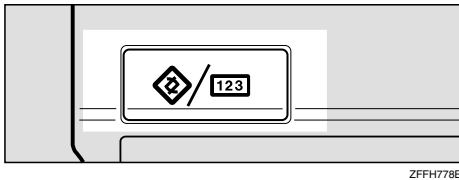
Auto Colour Calibration

This function is used for adjusting the balance of yellow, magenta (red), cyan (blue), and black when certain colours are too strong or when the colour of the print is different from the screen.

Note

- ❑ If “ Toner is almost empty” is shown on the display panel, the test pattern cannot be printed.

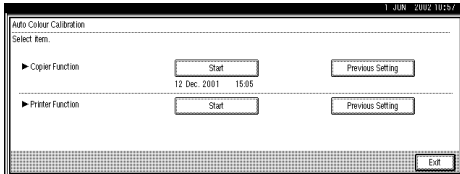
- 1** Press the **[User Tools/Counter/Inquiry]** key on the control panel.



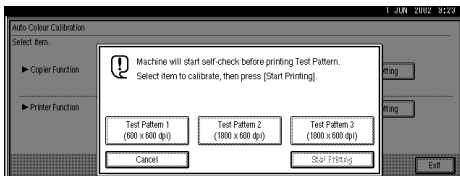
- 2** Press **[Maintenance]**.

- 3** Press **[Auto Colour Calibration]**.

- 4** Press **[Start]** in “Printer Function”.



- 5** Select the item you want to calibrate.








Note

- ❑ When using 600 × 600 dpi, be sure to calibrate **[Test Pattern 1 (600 × 600 dpi)]**.
- ❑ When using 1800 × 600 dpi, be sure to calibrate both **[Test Pattern 2 (1800 × 600 dpi)]** and **[Test Pattern 3 (1800 × 600 dpi)]**.

6 Press **[Start Printing]**.

A test pattern will be printed, and the message “Place Test Pattern on exposure glass correctly, then press **[Start Scanning]**” appears.

 **Note**

- The test pattern will be printed on A4 , B4JIS , A3 , 11"x17"  or 8½"x11" . One of the above paper sizes should be loaded on the paper feed tray.
- Printing the test pattern does not advance the counter.

7 Place the test pattern on the exposure glass, and press **[Start Scanning]**.

 **Note**

- The Auto Document Feeder (ADF) cannot be used to scan the test pattern. Make sure to place it on the exposure glass.
- When the Auto Document Feeder (ADF) is installed on the machine, place the test pattern on the exposure glass with two or three white sheets of the same size on it.

8 Press **[Exit]** three times.

Returning to the Previous Setting

1 Press **[Previous Setting]** in the screen shown on step **4** above.

2 Select the item you want to reset.

3 Press **[Yes]**, and then **[Exit]** three times. .

5. Using the Control Panel

Though the factory default settings of the machine 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 machine.

Reference

For more information about the copier features and the system settings, see the *Copy Reference* and the *General Settings Guide*.

Adjusting Printer Features

Printer Features Menu

There are six menu items in the “Printer Features” menu.

- Paper Input
- List/Test Print
- Maintenance
- System
- Host Interface
- PCL Menu

You can select functions in the following table.

Category	Function menu
Paper Input ⇒ p.46	Bypass Paper Size
List/Test Print ⇒ p.46	Config. Page
	Menu List
	PS Config./Font Page
	PCL Config./Font Page
	Hex Dump
Maintenance ⇒ p.46	Menu Protect

Category	Function menu	
System⇒ p.47	Print Error Report	
	Auto Continue	
	Memory Overflow	
	Sub Paper Size	
	Page Size	
	Duplex	
	Job Separation	
	Resolution	PCL
		PS
Toner Saving		
Host Interface ⇒ p.50	I/O Buffer	
	I/O Timeout	
PCL Menu⇒ p.50	Orientation	
	Form Lines	
	Font Source	
	Font Number	
	Point Size	
	Font Pitch	
	Symbol Set	
	Extend A4 Width	

Accessing the Printer Features

- 1** Press the **[User Tools/Counter/Inquiry]** key on the control panel.
- 2** Press **[Printer Features]**.
- 3** Select the desired item by pressing the tab, and then change the settings.

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 Printer Features

1 After changing the Printer Features, press **[Exit]** to return to the User Tools/Counter/Inquiry menu.


2 Press **[Exit]**.

 **Note**


- You can also exit from the User Tools/Counter/Inquiry menu by pressing the **[User Tools/Counter/Inquiry]** key.

Printer Features Parameters


Paper Input

Menu	Description
Bypass Paper Size	<p>The paper size for the bypass tray.</p> <p>For more information about paper sizes that can be set in the bypass tray, see the <i>General Settings Guide</i>.</p> <p> Note</p> <p><input type="checkbox"/> Default: A4 (Metric version), 11 × 8½ (Inch version)</p>

List/Test Print

Menu	Description
Config. Page	<p>You can print the current configuration of the machine.</p> <p> Reference</p> <p>See p.52 “Machine Condition” for printing a configuration page.</p>
Menu List	You can print the Menu List which shows the function menus of the machine.
PS Config./Font Page	You can print the current configuration of the installed PostScript fonts.
PCL Config./Font Page	You can print the current configuration of the installed PCL fonts
Hex Dump	You can print the Hex Dump.

Maintenance

Menu	Description
Menu Protect	<p>This procedure lets you protect menu settings against accidental changes. It makes it impossible to change the menu settings you make with the normal procedure unless you perform the required key operation. In a network environment, protecting settings restricts changes to menu settings to network administrators.</p> <ul style="list-style-type: none"> • Level 1 • Level 2 • Off <p> Note</p> <p><input type="checkbox"/> Default: Off</p>

The table below lists the menus that can be protected at level 1 or 2.

Menu	Level 1	Level 2
Paper Size Settings	×	○
Adjustment/Management	○	○
System Settings	○	○
Interface Settings	○	○
Program	×	○
PCL Menu	○	○
Language	○	○

○: Protected



×: Not protected




Note





- You can also use SmartNetMonitor for Admin to protect menus. To do so, you must set an access code on the machine beforehand.

5



System

Menu	Description
Print Error Report	<p>You can select whether or not to have an error report printed when a printer error or memory error occurs.</p> <ul style="list-style-type: none"> • Off • On <p> Note</p> <p><input type="checkbox"/> Default: Off</p>
Auto Continue	<p>You can select whether or not to enable Auto Continue. When it is "On", printing continues after a system error occurs.</p> <ul style="list-style-type: none"> • Off • 0 minute • 1 minute • 5 minutes • 10 minutes • 15 minutes <p> Note</p> <p><input type="checkbox"/> Default: Off</p>

Menu	Description
Memory Overflow	<p>You can select whether the memory overflow error report should be printed.</p> <ul style="list-style-type: none"> • Not Print • Error Report <p> Note</p> <p><input type="checkbox"/> Default: Not Print</p>
Sub Paper Size	<p>You can enable the “Auto Substitute Paper Size (A4↔LT)” feature.</p> <ul style="list-style-type: none"> • Off • Auto <p> Note</p> <p><input type="checkbox"/> Default: Off</p>
Page Size	<p>You can select the default paper size.</p> <ul style="list-style-type: none"> • 11 × 17 • 8½ × 14 • 8½ × 11 • 5½ × 8½ • 7¹/₄ × 10½ • 8 × 13 • 8½ × 13 • 8¹/₄ × 13 • 12 × 18 • A3 • B4JIS • A4 • B5JIS • A5 • A6 • 8K • 16K • 4¹/₈ × 9¹/₂ • 3⁷/₈ × 7¹/₂ • C5 Env • C6 Env • DL Env • Custom Size <p> Note</p> <p><input type="checkbox"/> Default: A4 (Metric version), 8½ × 11 (Inch version)</p>




Menu	Description
Duplex	<p>You can select whether you want to print on both sides of each page.</p> <ul style="list-style-type: none"> • Off • Short Edge Bind • Long Edge Bind <p> Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> Default: Off <input type="checkbox"/> This menu appears only when the optional Duplex unit is installed.
Job Separation	<p>You can enable “Job Separation”.</p> <ul style="list-style-type: none"> • Off • On <p> Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> Default: Off <input type="checkbox"/> This menu appears only when the optional shift sort tray is installed.
Resolution	<p>You can set the print resolution in dots per inch.</p> <ul style="list-style-type: none"> ◆ PCL 300 dpi, 600dpi, 600 × 600 dpi 2 bit ◆ PS 300 dpi, 600 dpi, 600 × 600 dpi 2 bit <p> Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> Default: 600 × 600 dpi 2 bit
Toner Saving	<p>You can select whether or not to enable “Toner Saving”.</p> <ul style="list-style-type: none"> • Off • On <p> Note</p> <ul style="list-style-type: none"> <input type="checkbox"/> Default: Off






Host Interface

Menu	Description
I/O Buffer	<p>You can set the size of the I/O Buffer. Normally it is not necessary to change this setting.</p> <ul style="list-style-type: none"> • 128 KB • 256 KB • 512KB <p> Note <input type="checkbox"/> Default: 128 KB</p>
I/O Timeout	<p>You can set how many seconds the machine should wait before ending a print job. If data from another port often arrives in the middle of the print job, you should increase the timeout value.</p> <ul style="list-style-type: none"> • 10 seconds • 15 seconds • 20 seconds • 25 seconds • 60 seconds <p> Note <input type="checkbox"/> Default: 15 seconds</p>

5

PCL Menu

Menu	Description
Orientation	<p>You can set the page orientation.</p> <ul style="list-style-type: none"> • Portrait • Landscape <p> Note <input type="checkbox"/> Default: Portrait</p>
Form Lines	<p>You can set the number of lines per page.</p> <ul style="list-style-type: none"> • 5 to 128 by 1 <p> Note <input type="checkbox"/> Default: 64 (Metric version), 60 (Inch version)</p>
Font Source	<p>You can set the location of the default font.</p> <ul style="list-style-type: none"> • Internal • Download • HDD <p> Note <input type="checkbox"/> Default: Internal</p>

Menu	Description
Font Number	<p>You can set the ID of the default font you want to use.</p> <ul style="list-style-type: none"> • 0 to 50 by 1 <p> Note</p> <p><input type="checkbox"/> Default: 0</p>
Point Size	<p>You can set the point size you want to use for the selected font.</p> <ul style="list-style-type: none"> • 4.00 to 999.75 by 0.25 <p> Note</p> <p><input type="checkbox"/> Default: 12.00</p> <p><input type="checkbox"/> This setting is effective only for a variable-space font.</p>
Font Pitch	<p>You can set the number of characters per inch you want to use for the selected font.</p> <ul style="list-style-type: none"> • 0.44 to 99.99 by 0.01 <p> Note</p> <p><input type="checkbox"/> Default: 10.00</p> <p><input type="checkbox"/> This setting is effective only for a fixed-space font.</p>
Symbol Set	<p>You can specify the set of print characters for the selected font. The available options are as follows.</p> <p>Roman-8, ISO L1, ISO L2, ISO L5, PC-8, PC-8 D/N, PC-850, PC-852, PC8-TK, Win L1, Win L2, Win L5, Desktop, PS Text, VN Intl, VN US, MS Publ, Math-8, PS Math, VN Math, Pifont, Legal, ISO 4, ISO 6, ISO 11, ISO 15, ISO 17, ISO 21, ISO 60, ISO 69, Win 3.0</p> <p> Note</p> <p><input type="checkbox"/> Default: Roman-8</p>
Extend A4 Width	<p>You can extend printing area width, when printing on A4 sheet with PCL.</p> <ul style="list-style-type: none"> • Off • On <p> Note</p> <p><input type="checkbox"/> Default: Off</p> <p><input type="checkbox"/> When the setting is "On", the width will be 8½ inches.</p>

Machine Condition

We recommend that you print the configuration page and check the machine's settings before changing them.

Printing the Configuration Page

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

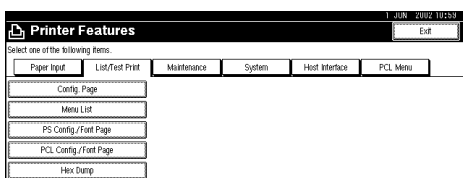
The User Tools/Counter/Inquiry menu appears.

2 Press **[Printer Features]**.

The Printer Features menu appears.

3 Press the **[List/Test Print]** tab.

The following screen appears on the display panel.



4 Press **[Config. Page]**.



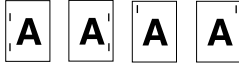







The configuration page is printed.

Staple

The following table shows the staple positions.

Note

- Stapling depends on paper size, paper type, number of pages and feed direction.

Paper orientation on the machine	Print data direction	Staple position	
		Finisher 500	Finisher 1000
	Vertical		
	Horizontal		
	Vertical		
	Horizontal		

ZFFH999E

Reference

- For paper sizes and maximum numbers of sheets available for stapling, see “Staple”, *Copy Reference*.
- For printing method, see the printer driver's Help.
- The stapling position will change when using PostScript 3 . For more information, see the PostScript 3 printer driver's Help.

Limitation

- Stapling can be done only with the optional finisher installed on the machine.
- Stapling cannot be done when paper is fed from the optional bypass tray.
- Thick paper, OHP transparencies, and labeled paper cannot be stapled.
- You cannot interrupt the current job with a job for another function requiring stapling or sorting.

 **Note**

- ❑ When the finisher is installed and stapling is specified for a job, the job will be delivered to the Finisher Shift Tray regardless of the output tray specified.
- ❑ If you cannot make staple settings even with the finisher installed, options may not be set up correctly on the printer driver. Correct option settings in the printer driver. For details, see the Help of the printer driver.
- ❑ When duplex printing is specified, adjust staple positions to the binding direction.
- ❑ When the finisher is being used for another function's job (for example, a copy job), printing will start after the current job ends.
- ❑ When setting "Staple" in the printer driver settings, make sure that the "Collate" check box is cleared in the application's print settings. If "Collate" is enabled in the application, printing will not occur as intended.
- ❑ Be sure to set the paper size and orientation in the printer driver when stapling.
- ❑ Depending on the application software you are using, print settings may not be saved and the printed result may not be as expected.
- ❑ Do not pull out paper until stapling has completed as this may cause a paper jam. When paper jams occur, check the error message on the display panel of the machine and remove the paper. If a paper jam occurs, see the *General Settings Guide*.
- ❑ When printing restarts after removing the jammed paper, the printing position may be different depending on the location of the paper 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 on which the paper jam occurred.
 - If the paper jam occurred in the machine, printing will restart from the page on which 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.
- ❑ "Staple has been cancelled" is displayed on the machine's display panel when staple printing has been cancelled. Staple printing will be cancelled under the following conditions:
 - If the number of staple jobs exceeds maximum. For information about the maximum number, see "Specification", *General Settings Guide*.
 - If a paper size that cannot be stapled is selected. For information about paper sizes that can be stapled, see "Specification", *General Settings Guide*.
 - If a paper type that cannot be stapled is selected.
The paper types that can be stapled are plain and recycled. Labels, thick paper and OHP transparencies cannot be stapled.
 - If positions other than those fixed for stapling are specified.

- If there are inconsistencies between the duplex folding direction and the staple printing folding location during duplex printing.
- If paper sizes are mixed when a different paper size is specified during a print job.
- When staples have run out.
- When feeding paper from the optional bypass tray.

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. Do not turn the power off to the computer or machine during Spool Printing.

Limitation

- If data is sent to the machine using other protocols besides “LPD” or “IPP”, spool printing cannot be performed.
- Up to a maximum of 50 jobs at once can be spool printed.

Note

- Printing the first page using Spool Printing will be slow.
- The computer will be released quicker from print processing, when large amounts of data are spooled.
- Spool jobs stored in the machine can be viewed or deleted using a Web browser.

Viewing/Deleting spool jobs in a Web browser

Launch the web browser and enter the machine's IP address in the address bar. This displays the top page.

Example : `http://192.168.155.160`

(In this example, the IP address of the machine is 192.168.155.160)

Click “Admin Info”, and then “Spool Printing Job List (Printer)” to display the spool jobs. To delete, check the box next to the name of the file you want to delete. Enter the password ^{*1}, and then click **[Delete]**. For more information, see the *Network Printing Guide*.

^{*1} The default password is “password”.






 **Setting Spool Printing**

Spool Printing can be set using telnet or a web browser.

- Using a web browser
Click "Configuration", and then "General". Set "Spool Printing" to "Enable".
See *Network Printing Guide* or Help for more information.
- Using telnet
Enter "spoolsw spool on" to set Spool Printing.
See *Network Printing Guide* for more information about telnet.

Specifications

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

Component	Specification	
Resolution	1800 × 600 dpi equivalent 300 × 300 dpi (PCL 5c) monochrome only	
Printing Speed	Type 1: <ul style="list-style-type: none"> • Full colour : 8 ppm • Monochrome : 24 ppm Type 2: <ul style="list-style-type: none"> • Full colour : 10 ppm • Monochrome : 32 ppm (A4  , 8½" × 11"  plain paper) <p> Note</p> <input type="checkbox"/> The printing speed depends on the machine. Check which type of machine you have. See the <i>General Settings Guide</i> .	
Interface	Standard: <ul style="list-style-type: none"> • IEEE 1284 Parallel Interface <p> Note</p> <input type="checkbox"/> Use a standard 36-pin printer cable that is not longer than 3 metres (10 feet).	<ul style="list-style-type: none"> • Ethernet Interface (100 BASE-TX/10BASE-T) Option: <ul style="list-style-type: none"> • IEEE 1394 Interface • IEEE 802.11b Wireless LAN Interface
Network Protocol	TCP/IP, IPX/SPX, NetBEUI ^{*1} , AppleTalk	
Printer Language	Standard: PCL 5c, RPCS™ Option: PostScript 3	
Fonts	PCL 5c : Afga Monotype Font Manager 35 Intellifonts, 10 TrueType fonts, and 1 Bitmap font Font Manager available. PostScript 3 : 136 fonts (Type 2:24, Type 14:112)	
Memory	Resident : 128 MB (Max.: 384 MB) Optional SDRAM : 128 MB, 256 MB <p> Note</p> <input type="checkbox"/> A minimum of 256 MB is necessary to use the printer feature (printer option).	
Hard Disk	Storage capacity : 40 GB	

Component	Specification
Operating Systems supported by this machine	Windows 95/98/Me Windows 2000 Windows XP Windows NT 4.0 Mac OS 8.6 to 9.2 Mac OS X

*1 To use NetBEUI, use the SmartNetMonitor for Client port.

Options

Limitation

- The optional IEEE 1394 Interface Unit and the optional 802.11b Interface Kit (Wireless LAN board) cannot be installed in the machine at the same time.

IEEE 1394 Interface Unit Type 4510

❖ Transmission Spec.:

IEEE 1394

❖ Interface:

IEEE std 1394-1995 compliant
IEEE std 1394a-2000 compliant

❖ Device Class:

SCSI print (Windows 2000, Windows XP)
IP over 1394 (Windows Me, Windows XP)

❖ Protocol:

SBP-2 (SCSI print)
TCP/IP (IP over 1394)

❖ Interface Connector:

IEEE 1394 (6 pin × 2)

❖ Required cable:

1394 interface cable (6 pin × 4 pin, 6 pin × 6 pin)

Important

- You cannot plug devices together so as to create loops.
- Do not use a cable more than 4.5 meters long.

❖ Data Transfer Speed:

Maximum 400 Mbps

❖ Connectable number of devices on a bus:

Maximum 63

❖ Allowed cable hops on a bus:

Maximum 16

❖ Power supply:

Non power supply

Cable Power repeated (IEEE 1394a-2000 compliant)

PostScript 3 Board Type 1232

 **Reference**

See the *PostScript 3 Board Type 1232 Operating Instructions Supplement* for information.

IEEE 802.11b Interface Kit Type B

❖ Transmission Spec.:

Based on IEEE 802.11b (Wireless LAN)

❖ Protocol:

TCP/IP, NetBEUI, IPX/SPX, AppleTalk

 **Note** SmartNetMonitor and WebStatusMonitor are supported.**❖ Data Transfer Speed:**

Auto select from below speed

1Mbps, 2Mbps, 5.5Mbps, 11Mbps

❖ Frequency Range:

- Inch version:
2400-2497 MHz (1-11 channels)
- Metric version:
2400-2497 MHz (1-13 channels)

❖ Transmittable Distance:1Mbps 400m ^{*1}2Mbps 270m ^{*1}5.5Mbps 200m ^{*1}11Mbps 140m ^{*1}

^{*1} These figures are a guideline for outdoor use. In general, the transmittable distance indoors is 10-100 m, depending on the environment.

❖ Transmission Mode:

Ad hoc mode and Infrastructure mode

Memory Unit Type C 128MB/256MB

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

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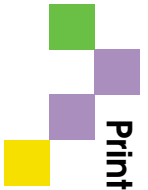
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Printer/Scanner Kit Type 1232 Operating Instructions Printer Reference 2