



# PRINTER Controller Type 1013



## Operating Instructions Printer Reference 2 (option)

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

## **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 before using this machine. It contains important information related to USER SAFETY and PREVENTING EQUIPMENT PROBLEMS.

### **Notes:**

"PS2" stands for PostScript level2 Compatible in this manual.

### **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.

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

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# Manuals for This Machine

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## Manuals for This Machine

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The following manuals separately describe the operational procedures for the operation and maintenance of the machine.

Depending on the machine, some manuals are not provided. Confirm which type of machine you have.

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.

❖ **Facsimile Reference <Basic Features>**

Describes the procedures and most frequently used functions for using this machine as a facsimile.

❖ **Facsimile Reference <Advanced Features>**

Describes the procedures and more advanced functions for using this machine as a facsimile. And also explains settings for key operators.

❖ **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. This manual is provided as a PDF file on the CD-ROM labeled "Operating Instructions for Printer". (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. This manual is provided as a PDF file on the CD-ROM labeled "Operating Instructions for Printer".

❖ **Type 1018 PostScript level2 Compatible Kit Operating Instructions Supplement**

Describes the functions of Printer Utility for Mac. This manual is provided as a PDF file on the CD-ROM labeled "Operating Instructions for Printer".

### ❖ **Network Interface Board Type 1018 Owner's Manual**

Describes the procedures and provides necessary information about setting up and using the printer under the network environment. This manual is provided as a PDF file on the CD-ROM labeled "Print Server Software and Documentation" which comes with optional Network Interface Board Type 1018.

### **Note**

- Concerning UNIX printing information, please visit our web site or consult your authorized reseller.

# How to Read This Manual

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## Symbols

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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 control panel.

Keys on the computer's keyboard.



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

## PCL 6/5e - Accessing the Printer Properties

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

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#### Changing the default printer settings

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- 1** Click **[Start]** on the taskbar, point to **[Settings]**, and then click **[Printers]**.  
The **[Printers]** window appears.
- 2** Click to select the icon of the printer whose default settings you want to change.
- 3** On the **[File]** menu, click **[Properties]**.  
The Printer Properties appear.
- 4** Make any settings you require and click **[Apply]**.  
 **Note**
  - With some applications, the printer driver's settings are not used, and the application's own default settings are applied.
- 5** Click **[OK]**.

#### Making printer settings from an application

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To make the printer 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 procedure you should follow to open the Printer Properties dialog box 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 [Name] list box, and then click [Properties].

The Printer Properties appear.

- 3** Make any settings you require and click [Apply].

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

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## Windows 2000/Windows XP - Accessing the Printer Properties

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### Changing the default printer settings - Printer Properties

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#### 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.

#### Note

- With Windows XP, access the [Printers and Faxes] window from [Start] on the taskbar.

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

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

The Printer Properties appear.

- 4** Make any settings you require and click [Apply].

#### Note

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

- 5** Click [OK].

---

### Changing the default printer settings - Printing Preferences Properties

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#### 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.

 **Note**

- With Windows XP, access the **[Printers and Faxes]** window from **[Start]** on the taskbar.

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

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

The Printing Preferences Properties appear.

- 4** Make any settings you require and click **[Apply]**.

 **Note**

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

- 5** Click **[OK]**.

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## Making printer settings from an application

---

To make the printer 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.

 **Note**

- The actual procedures you should follow to open the **[Print]** dialog box 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.

 **Note**

- With Windows XP, click **[Preference]** to open the Printer Preference window.

- 3** Make any settings you require and click **[Apply]**.

 **Note**

- With Windows XP, make any settings you require and click **[OK]**.

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

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## Windows NT 4.0 - Accessing the Printer Properties

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### Changing the default printer settings - Printer Properties

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 **Limitation**

- Changing the setting of the printer 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 to select the icon of the printer whose default settings you want to change.

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

The Printer Properties appear.

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

 **Note**

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

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### Changing the default printer settings - Default Document Properties

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 **Limitation**

- Changing the setting 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 to select the icon of the printer whose default settings you want to change.

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

The Default Document Properties appear.

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

 **Note**

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

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## Making printer settings from an application

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To make the printer 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 procedure you should follow to open the Printer Properties dialog box 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 **[Name]** list box, and then click **[Properties]**.

The Printer Properties appear.

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

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

# PostScript - Setting Up for Printing

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

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### Changing the default printer settings

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

 **Note**

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

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

The **[Printers]** window appears.

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

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

The Printer Properties appear.

**4** Make any settings you require and click **[Apply]**.

**5** Click **[OK]**.

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### Making printer settings from an application

---

To make the printer 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 procedure you should follow to open the Printer Properties dialog box may differ depending on the application. For more information, see the documentation that comes with the application you are using.
- With some applications, the printer driver's settings are not used, and the application's own default settings are applied.
- Any settings you make in the following procedure are valid for the current application only.

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

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

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

The Printer Properties appear.

- 3** Make any settings you require and click [Apply].

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

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## Windows 2000/Windows XP - Accessing the Printer Properties

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### Changing the default printer settings - Printer Properties

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#### 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.

#### Note

- With Windows XP, access the [Printers and Faxes] window from [Start] on the taskbar.

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

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

The Printer Properties appear.

- 4** Make any settings you require and click [Apply].

#### Note

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

- 5** Click [OK].

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### Changing the default printer settings - Printing Preferences Properties

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#### 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.

 **Note**

- With Windows XP, access the **[Printers and Faxes]** window from **[Start]** on the taskbar.

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

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

The Printing Preferences Properties appear.

**4** Make any settings you require and click **[Apply]**.

 **Note**

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

**5** Click **[OK]**.

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### Making printer settings from an application

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To make the printer 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.

 **Note**

- The actual procedures you should follow to open the **[Print]** dialog box 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.

 **Note**

- With Windows XP, click **[Preference]** to open the Printer Preference window.

**3** Make any settings you require and click **[Apply]**.

 **Note**

- With Windows XP, make any settings you require and click **[OK]**.

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

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## Windows NT 4.0 - Accessing the Printer Properties

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### Changing the default printer settings - Printer Properties

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#### Limitation

- Changing the setting of the printer 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 to select the icon of the printer whose default settings you want to change.

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

The Printer Properties appear.

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

#### Note

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

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### Changing the default printer settings - Default Document Properties

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#### Limitation

- Changing the setting 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 to select the icon of the printer you want to use.

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

The Default Document Properties appear.

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

#### Note

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

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## Making printer settings from an application

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To make the printer 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 procedure you should follow to open the Printer Properties dialog box 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 **[Name]** list box, and then click **[Properties]**.

The Printer Properties appear.

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

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

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## Macintosh - Setting Up for Printing

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### Making paper settings from an application

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**1** Open the file you want to print.

**2** On the **[File]** menu, click **[Page Setup]**.

The **[LaserWriter 8 Page Setup]** dialog box appears.

**3** Confirm that the printer you want to use is shown in **[Format for:]** box.

Then, use **[Paper]** to select the paper size you want to use.

 **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]** dialog box depends on the application you are using. See the documentation that comes with the Macintosh for more information.

**4** After configuring the settings, click **[OK]**.

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## Setting up for printing from an application

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

# Canceling a Print Job

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## Windows 95/98/Me, Windows 2000, Windows XP, Windows NT 4.0 - Canceling a Print Job

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**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].

 **Note**

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

**4** Press the [Job Reset] key on the control panel.

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

 **Important**

This procedure cancels the print job that is being processed by the printer. In some cases, the printer 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 canceled when you press the [Job Reset] key.

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 may continue for a few pages after you press the [Job Reset] key.

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

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## Macintosh - Canceling a Print Job

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### **1** Double-click the printer's 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.

### **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 **[Job Reset]** key on the control panel.

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

#### **Important**

- This procedure cancels the print job that is being processed by the printer. In some cases, the printer 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 canceled when you press the **[Job Reset]** key.
- 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 may continue for a few pages after you press the **[Job Reset]** key.
- A print job that contains a large volume of data may take considerable time to stop.



# 2. 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 one of the appropriate procedures below.

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

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- 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 to select 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.

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

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#### **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 applications that are currently running.
- 2** Click **[Start]** on the taskbar, point to **[Settings]**, and then click **[Printers]**.  
The **[Printers]** window appears.

#### **Note**

- With Windows XP, access the **[Printers and Faxes]** window from **[Start]** on the taskbar.

- 3** Click to select 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.

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

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### 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 install 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 to select 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 how to uninstall the PostScript printer driver. The actual procedure may differ depending on the operating system. Follow one of the appropriate procedures below.

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## Windows 95/98/Me - Uninstalling the PostScript Printer Driver

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- 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 to select 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.

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## Windows 2000/Windows XP - Uninstalling the PostScript Printer Driver

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### 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 applications that are currently running.
- 2** Click **[Start]** on the taskbar, point to **[Settings]**, and then click **[Printers]**.  
The **[Printers]** window appears.

### Note

- With Windows XP, access the **[Printers and Faxes]** window from **[Start]** on the taskbar.

- 3** Click to select 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.

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## Windows NT 4.0 - Uninstalling the PostScript Printer Driver

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### ! 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 to select 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.

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## Macintosh - Uninstalling the PostScript Printer Driver

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

# 3. Troubleshooting

## Error & Status Messages on the Control Panel

The messages on the control panel differ according to the machine or the attached options.

| Messages/Second messages   | Description  | Solution   |
|--|--|--|
| Add Toner.<br>Open Front Cover and<br>/Follow Instructions to<br>Replace it. | Toner is running out.  | It is time to supply toner.  |
| Clear Missfeed(s)<br>/Follow Instructions in<br>Front Cover                  | There is misfeed at the front cover.   | Remove the misfed paper following the instructions inside the front cover.   |
| Close Front/Right<br>Cover   | The front or right cover is open.  | Close the front or right cover.  |
| Duplex Unit in Use<br>Please Wait  | Duplex unit is in use by another function.                                     | Wait until the other function has finished using the duplex unit.  |
| HDD is Full<br>Collate Incomplete  | The maximum hard disk area size for collate has been exceeded.                 | Reduce the number of pages to be printed.  |
| Load Bypass Tray<br>[Paper Size]   | There is no paper left in the Bypass Tray or the Bypass Tray is not installed. | Load paper into the Bypass Tray or install the Bypass Tray. For more information about the Bypass Tray, see the Operating Instructions that comes with this machine. |
| Load Paper<br>[Paper Size]   | The paper size setting on the tray differs from that of printer driver.        | Load paper that matches the paper size settings. Printing will not automatically resume if the paper size and orientation settings are incorrect.                    |
|  | The optional paper tray unit is not installed.                                 | Install the optional paper tray unit. For more information about optional paper tray unit, see the Operating Instructions that comes with this machine.              |
| Load Tray #<br>[Paper Size]  | There is no paper left in this tray.   | Load paper into the tray indicated.  |

| Messages/Second messages          | Description  | Solution   |
|-----------------------------------|--|--|
| Memory Overflow<br>Job Incomplete | A memory overflow has occurred.  | Add memory to the printer.   |
| Memory Full<br>Job Incomplete     | A memory full has occurred.  | Add memory to the printer.   |
| Printing...                       | The printer is printing.   | Wait for a while.  |
| Print Overrun<br>Job Incomplete   | 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, or the current print job has been canceled. | To print the image correctly, add memory to the printer or simplify the actual data size. Set "Page Protect" to "On" on the printer driver. Be sure to return "Page Protect" to "Auto" after the print job. With "Page Protect" "On", the printer performance might be decreased. While using the PostScript printer driver, lower the resolution setting. |
| Remove Paper<br>From Duplex Unit  | There is paper remaining inside the duplex unit.   | Open the right cover, and remove the paper.  |
| Processing...                     | The printer is processing internally.  | Wait for a while.  |
| Ready                             | The printer is online and ready to print.  | If you want to set the printer offline, press <b>[Online]</b> .  |
| Resetting Job...                  | The print job is being reset.  | Wait for a while.  |
| Toner is Almost Empty             | Toner is almost running out.   | Replace the toner early to prevent poor print quality.   |
| Waiting...                        | The printer is waiting for the next print job.   | Wait for a while.  |
| Warming Up...                     | The printer is warming up or toner is being supplied.  | Wait until the panel display changes to "Ready".   |

# 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.<br>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?  | Make it Online by touching the <b>【On Line】</b> 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 Mode key stay red? Or Alarm indicator is flashing? | Check the error message, and take the required action.  |
| Is the Data-in or Communicating Indicator blinking or lit?                              | If not, the data does not reach the machine.<br>Check the printer cable connection.<br>Also confirm that the printer port settings are correct. |
| Can you print a configuration page?   | If you cannot, check the printer cable connection.<br>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

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| 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 control 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.   |
| It takes too much time to complete the print job.  | The data is so large or complex that it takes time to process it.<br>If the Data In indicator is blinking, the data processing is being done.<br>Just wait until it is finished. |
| Windows 95/98/Me, Windows 2000, Windows XP, Windows NT 4.0 :<br>The computer does not recognize the installed printer options. | If the printer is not connected to a network, specify which options you have installed using the printer driver.<br>See the HELP file of the printer driver.                     |
| No image is printed when loading paper on the bypass tray.   | The machine operates the function that forces to feed the paper in three minutes after you load the paper on the bypass tray. Load the paper on the bypass tray again.           |

# 4. Using the Control 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, facsimile features and system settings, see the Operating Instructions that comes with this machine.

## Note

- ❑ Some of the settings accessed by the printer driver can be accessed by the "Printer Features". Settings made by the printer driver take priority over settings by the "Printer Features".

## Adjusting Printer Features

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### Printer Features Menu

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

- Job Control
- Network Setup
- Maintenance
- List Print

You can select functions in the following table.

| Category              | Function menu |                      |               |
|-----------------------|---------------|----------------------|---------------|
| Job Control<br>⇒ p.30 | Paper Input   | Tray Priority        |               |
|                       |               | Tray Locking         |               |
|                       |               | Bypass Paper Size *1 | Standard Size |
|                       |               |                      | Custom Size   |
|                       | Duplex *2     |                      |               |
|                       | Print Quality | Edge Smoothing       |               |
|                       |               | Resolution           | PCL           |
|                       |               |                      | PS            |
| Toner Saving          |               |                      |               |

| Category                                  | Function menu               |                 |
|---|-----------------------------|-----------------|
| Job Control<br>⇒ p.30                     | System                      | Print PS Errors |
|   |                             | I/O Timeout     |
|   |                             | I/O Buffer      |
|   |                             | Page Protect    |
|   |                             | Auto Continue   |
|   |                             | Sub Paper Size  |
|   | PCL Menu                    | Orientation     |
|   |                             | Form Lines      |
|   |                             | Font Source     |
|   |                             | Font Number     |
|   |                             | Point Size      |
|   |                             | Font Pitch      |
|   |                             | Symbol Set      |
| Network Setup<br>* <sub>3</sub><br>⇒ p.36 | IP Address                  |                 |
|   | Subnet Mask                 |                 |
|   | Gateway Address             |                 |
| Maintenance<br>⇒ p.37                     | Restart Printer             |                 |
|   | Menu Reset                  |                 |
|   | Hex Dump                    |                 |
| List Print<br>⇒ p.38                      | Configuration Page          |                 |
|   | Menu List                   |                 |
|   | PCL Font List               |                 |
|   | PS Font List * <sub>4</sub> |                 |

\*<sub>1</sub> This menu is not displayed if the Bypass Tray is not installed.

\*<sub>2</sub> Duplex printing depends on the machine. Confirm which type of machine you have.

\*<sub>3</sub> Optional Network Interface Board is required.

\*<sub>4</sub> Optional PostScript level2 Compatible Kit is required.

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## Accessing the Printer Features Menu

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Press the **[User Toors/Counter]** or **[User Tools]** key.

The key is differ depending on the machine. Confirm that which type of machine you have.

Press the ◀ or ▶ key to display “Printer Features”, then press **[OK]**.

The following screen appears on the panel display.



Press the ◀ or ▶ key to display the following four items one by one.

- Job Control
- Network Setup
- Maintenance
- List Print

### Note

- ▶ key : Press to go to the next menu.
- ◀ key : Press to go back to the previous menu
- After making the printer settings, be sure to return to the previous menu by pressing the **[Cancel]** key.
- After making the printer settings, press the **[User Tools/Counter]** or **[User Tools]** key to return to the initial display.
- The revised settings are not canceled even if the power switch is turned off.

# Printer Features Parameters

## Job Control Menu

There are five menu items in the “Job Control” menu.

- Paper Input
- Duplex
- Print Quality
- System
- PCL Menu

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## Job Control Parameters

### ❖ Paper Input

| Menu          | Description  |
|---------------|--|
| Tray Priority | <p>If a print job does not have a paper size command, the paper size of the tray which is specified by the Tray Priority is used.<br/>Tray 1, Tray 2, Tray 3</p> <p> <b>Note</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Default: <i>Tray 1</i></li> <li><input type="checkbox"/> Only the installed trays appear on the panel display.</li> <li><input type="checkbox"/> It is recommended that you load paper having the size and direction you frequently use in the tray selected with “Tray Priority”.</li> </ul>   |
| Tray Locking  | <p>If you use different kinds of paper, you can lock a tray to prevent printing on wrong paper such as letterhead or colored paper. When “Auto Select” is selected in the Paper Source selections from the printer driver, the locked tray will not be used.<br/>Tray 1, Tray 2, Tray 3, None</p> <p> <b>Note</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Default: <i>None</i></li> <li><input type="checkbox"/> This menu is invalid if the optional tray is not installed.</li> <li><input type="checkbox"/> If you want to use the locked tray, you must select the tray from the printer driver.</li> <li><input type="checkbox"/> When a locked tray is selected from the printer driver, the printer does not search for any other tray.</li> </ul> |

| Menu              | Description  |
|-------------------|--|
| Bypass Paper Size | <p>You can specify the paper size, standard or custom, for the bypass tray.</p> <p>When the bypass paper size is not specified, the paper size you set on the control panel is used.</p> <p>If you use PCL 6 or PS2 printer driver to print custom paper size, the paper size you set in the printer driver is used.</p> <p>If you use PCL 5e printer driver to print custom paper size, paper size you set on the control panel is used.</p> <p>If the Bypass Tray can hold paper of either the short edge feed size or the long edge feed size, use the short edge feed size.</p> <p> <b>Note</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> This menu is not displayed if the Bypass Tray is not installed.</li> <li><input type="checkbox"/> Specifications of bypass tray depends on the machine. Confirm which type of machine you have. See the Operating Instructions that comes with this machine.</li> </ul> |

#### ❖ Duplex

| 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"> <li>• Off</li> <li>• Long Edge Binding</li> <li>• Short Edge Binding</li> </ul> <p> <b>Note</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Default: Off</li> <li><input type="checkbox"/> This menu appears only when the duplex unit is installed.</li> </ul> |

#### ❖ Print Quality

| Menu           | Description  |
|----------------|--|
| Edge Smoothing | <p>You can set whether to enable Edge Smoothing.</p> <ul style="list-style-type: none"> <li>• On</li> <li>• Off</li> </ul> <p> <b>Note</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Default: <i>On</i></li> <li><input type="checkbox"/> If “Toner Saving” is “On”, “Edge Smoothing” is ignored even if it is “On”.</li> <li><input type="checkbox"/> The setting in the printer driver takes priority of the setting on control panel.</li> </ul> |

| Menu         | Description  |
|--------------|--|
| Resolution   | <p>You can set the print resolution in dots per inch.</p> <ul style="list-style-type: none"> <li>❖ <b>PCL</b><br/>300 dpi, 600 dpi</li> <li>❖ <b>PS</b><br/>300 dpi, 600 dpi</li> </ul> <p> <b>Note</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Default: 600 dpi</li> <li><input type="checkbox"/> The setting in the printer driver takes priority of the setting on control panel.</li> </ul>   |
| Toner Saving | <p>You can select whether to enable Toner Saving.</p> <ul style="list-style-type: none"> <li>• Off</li> <li>• On</li> </ul> <p> <b>Note</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Default: <i>Off</i></li> <li><input type="checkbox"/> If “Toner Saving” is “On”, “Edge Smoothing” is ignored even if it is “On”.</li> <li><input type="checkbox"/> The setting in the printer driver takes priority of the setting on control panel.</li> </ul> |

## ❖ System

| Menu            | Description   |
|-----------------|---|
| I/O Timeout     | <p>You can set how many seconds the printer should wait before ending a print job. If data from other port often appears in the middle of the print job, you should increase the timeout value.<br/>15 seconds, 30 seconds, 60 seconds, 180 seconds, 300 seconds</p> <p> <b>Note</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Default: <i>30 seconds</i></li> </ul> |
| I/O Buffer      | <p>You can set the size of the I/O Buffer. Normally it is not necessary to change this setting.<br/>16 KB, 32 KB, 64 KB, 128 KB, 256 KB, 512 KB</p> <p> <b>Note</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Default: <i>32 KB</i></li> </ul>   |
| Print PS Errors | <p>You can set whether the PS error sheet should be printed out.</p> <ul style="list-style-type: none"> <li>• Off</li> <li>• On</li> </ul> <p> <b>Note</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Default: <i>Off</i></li> </ul>  |

| Menu           | Description  |
|----------------|--|
| Page Protect   | <p>When the "Print Overrun. Job Incomplete." message appears on the panel display, set this function to "On".</p> <ul style="list-style-type: none"> <li>• Auto</li> <li>• On</li> </ul> <p> <b>Note</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Be sure to return "Page Protect" to "Auto" after the print job. With "Page Protect" "On", the printer performance might be decreased.</li> <li><input type="checkbox"/> Default: <i>Auto</i></li> <li><input type="checkbox"/> The setting in the printer driver takes priority of the setting on control panel.</li> </ul>  |
| Auto Continue  | <p>You can set whether to enable Auto Continue. When it is set to "On", the printing continues even if the following error messages appear on the display.</p> <p>"Print Overrun. Job Incomplete.", "Memory Overflow. Job Incomplete.", "Memory Full. Job Incomplete."</p> <ul style="list-style-type: none"> <li>• Off</li> <li>• On</li> </ul> <p> <b>Note</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> When it is "On", and a certain type of error occurs, the current job might be canceled, and the printer automatically resumes the next job.</li> <li><input type="checkbox"/> Default: <i>Off</i></li> </ul> |
| Sub Paper Size | <p>You can enable the Auto Substitute Paper Size feature between A4 and letter size. When you select "On", the printer substitutes A4 ↔ letter size if the paper currently specified is not loaded.</p> <ul style="list-style-type: none"> <li>• Off</li> <li>• On</li> </ul> <p> <b>Note</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Default: <i>Off</i></li> <li><input type="checkbox"/> This feature is canceled when Bypass Tray or Use Slip Sheet function is used.</li> </ul>  |

#### ◆ PCL Menu

| Menu        | Description  |
|-------------|--|
| Orientation | <p>You can set the page orientation.</p> <ul style="list-style-type: none"> <li>• Portrait</li> <li>• Landscape</li> </ul> <p> <b>Note</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Default: Portrait</li> </ul> |

| Menu        | Description   |
|-------------|---|
| Form Lines  | <p>You can set the number of lines per page.<br/>5-128</p> <p> <b>Note</b></p> <p><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"> <li>• Internal</li> <li>• Download</li> </ul> <p> <b>Note</b></p> <p><input type="checkbox"/> Default: Internal</p> <p><input type="checkbox"/> When you select "Download", you can select only fonts downloaded to printer RAM.</p>   |
| Font Number | <p>You can set the ID of the default font you want to use.</p> <ul style="list-style-type: none"> <li>• 0 to 54 (for Internal)</li> <li>• 1 to 50 (for Download source)</li> </ul> <p> <b>Note</b></p> <p><input type="checkbox"/> Default: Internal</p> <p><input type="checkbox"/> Default: 0</p>  |
| Point Size  | <p>You can set the point size you want to use for the default font.<br/>4 to 999.75 by 0.25</p> <p> <b>Note</b></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 default font.<br/>0.44 to 99.99 by 0.01</p> <p> <b>Note</b></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 default font. The available options are as follows.<br/>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, VN Intl, VN US, MS Publ, Math-8, 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> <b>Note</b></p> <p><input type="checkbox"/> Default: Roman-8</p> |

## Changing the Paper Input Menu

The following procedure describes changing the “Tray Priority” as an example in the “Paper Input” menu.

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

The key differ depending on the machine. Confirm that which type of machine you have.

- 2 Press the **⌂** or **⏪** key to display "Printer Features".

- 3 Press **[OK]**.

The following screen appears on the panel display.

```
Printer Features:
1.Job Control  ◀▶
```

- 4 Press **[OK]**.

The following screen appears on the panel display.

```
Job Control:
1.Paper Input  ◀▶
```

- 5 Press **[OK]**.

The following screen appears on the panel display.

```
Paper Input:
1.Tray Priority  ◀▶
```

- 6 Press **[OK]**.

The following screen appears on the panel display.

```
Tray Priority:  ◀▶/OK
[Tray 1]
```

- 7 Press the **⌂** or **⏪** key to select the tray type you want to use.

- 8 Press **[OK]**.

“Programmed” is displayed for two seconds.

- 9 The following screen appears on the panel display.

```
Paper Input:
1.Tray Priority  ◀▶
```

- 10** Press the **[User Tools/Counter]** or **[User Tools]** key to return to the initial display.

## Network Setup Menu

There are three menu items in the “Network Setup” menu.

- IP Address
- Subnet Mask
- Gateway Address

### Note

- This “Network Setup” menu appears only when installing the optional Network Interface Board.

## Network Setup Parameters

| Menu            | Description   |
|-----------------|---|
| IP Address      | <p>You can set the IP Address.</p> <p> <b>Note</b></p> <p><input type="checkbox"/> Default: <i>All zero</i></p> <p> <b>Reference</b></p> <p>See “<i>Configuring the Printer for the Network with the Control Panel</i>” in “Printer Reference 1”.</p>            |
| Subnet Mask     | <p>You can set the Subnet Mask.</p> <p> <b>Note</b></p> <p><input type="checkbox"/> Default: <i>255.000.000.000</i></p> <p> <b>Reference</b></p> <p>See “<i>Configuring the Printer for the Network with the Control Panel</i>” in “Printer Reference 1”.</p> |
| Gateway Address | <p>You can set the Gateway Address.</p> <p> <b>Note</b></p> <p><input type="checkbox"/> Default: <i>All zero</i></p> <p> <b>Reference</b></p> <p>See “<i>Configuring the Printer for the Network with the Control Panel</i>” in “Printer Reference 1”.</p>    |

## Maintenance Menu

There are three menu items in the “Maintenance” menu.

- Restart Printer
- Menu Reset
- Hex Dump

## Maintenance Parameters

| Menu            | Description  |
|-----------------|--|
| Restart Printer | You can restart the printer.<br>All the settings you made for printer function are reset, and also downloaded fonts are deleted.<br>⇒ p.37 “Restarting a Printer”  |
| Menu Reset      | You can reset the menu settings to the factory defaults except the optional Network Interface Board settings.  |
| Hex Dump        | You can set to isolate the source of a print job problem. With this function “On”, all data sent to the printer is printed in hexadecimal character representation. <ul style="list-style-type: none"> <li>• On</li> <li>• Off</li> </ul> <p> <b>Note</b></p> <p><input type="checkbox"/> Default: <i>Off</i></p> |

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## Restarting a Printer

The following procedure describes selecting the “Restart Printer” as an example in the “Maintenance” menu.

**1** Press the **[User Tools/Counter]** or **[User Tools]** key.

The key differ depending on the machine. Confirm that which type of machine you have.

**2** Press the **⏪** or **⏩** key to display “Printer Features”.

**3** Press **[OK]**.

The following screen appears on the panel display.

```
Printer Features:
1.Job Control  ◀▶
```

- 4** Press the ⏪ or ⏩ key until the following message appears on the panel display.

```
Printer Features:
3.Maintenance  ⏪
```

- 5** Press [OK].

The following screen appears on the panel display.

```
Maintenance:
1.Restart Printer  ⏪
```

- 6** Press [OK].

The following screen appears on the panel display.

```
Restart Printer:
Press OK
```

- 7** Press [OK].

"Ready" appears on the panel display.

```
Ready
```

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## List Print Menu

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There are four menu items in the "List Print" menu.

- Configuration Page
- Menu List
- PCL Font List
- PS Font List

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## List Print Parameters

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| Menu               | Description   |
|--------------------|---|
| Configuration Page | You can print a Configuration Page. ⇒ p.39 "Printing a Configuration Page"  |
| Menu List          | You can print the Menu List which shows the function menus of this machine. |
| PCL Font List      | You can print a PCL Font List.  |
| PS Font List       | You can print a PS Font List.   |

## Printing a Configuration Page

The following procedure describes printing the "Configuration Page" as an example in the "List Print" menu.

### Reference

For more information, see p.40 "Interpreting the Configuration Page".

#### **1** Press the **[User Tools/Counter]** or **[User Tools]** key.

The key differ depending on the machine. Confirm that which type of machine you have.

#### **2** Press the **⌂** or **⏪** key to display "Printer Features".

#### **3** Press **[OK]**.

The following screen appears on the panel display.

```
Printer Features:
1.Job Control  ◀▶
```

#### **4** Press the **⌂** or **⏪** key until the following message appears on the panel display.

```
Printer Features:
4.List Print  ◀▶
```

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

The following screen appears on the panel display.

```
List Print:
1.Configuration Page▶◀
```

#### **6** Press **[OK]**.

The following screen appears on the panel display.

```
Configuration Page:
Press OK
```

#### **7** Press **[OK]**.

The following screen appears on the panel display.

```
Printing...
Configuration Page
```

In a short time, the printing of the configuration page will start.

After completion of printing, the "Printer Features" display is shown.

 **Important**

- ❑ If you cannot complete printing a configuration page correctly, make sure an error message appears on the panel display. For more information about error messages, see p.23 “Error & Status Messages on the Control Panel”.

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## Interpreting the Configuration Page

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### Reference

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❖ **Printer ID**

Shows the serial number assigned to the board by its manufacturer.

❖ **Firmware Version**

Shows the version number of the printer firmware.

❖ **Pages Printed**

Shows the total number of pages printed by the printer to date.

❖ **Total Memory**

Shows the total amount of memory (SDRAM) installed on the printer.

❖ **Options**

Show the options that you installed.

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### Job Control

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Shows the settings made under the “Job Control” menu.

 **Reference**

For more information, see p.30 “Job Control Menu”.

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### Network Setup

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Shows the settings you made under the “Network Setup” menu.

When DHCP is active on the network, the actual IP Address, Subnet Mask and Gateway Address appear in parentheses on the configuration page.

 **Reference**

For more information, see p.36 “Network Setup Menu”.

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## **Maintenance**

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Shows the settings you made under the “Maintenance”.

### **Reference**

For more information, see p.37 “Maintenance Menu”.

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## **Error Log**

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Shows the log of printer errors.



# 5. Appendix

## Specifications

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

| Component                                   | Specification  |
|---|--|
| Resolution                                  | 300 × 300 dpi; PCL 5e <sup>*1</sup> , PS2 <sup>*2</sup><br>600 × 600 dpi; PCL 5e <sup>*1</sup> , PCL 6, PS2  |
| Parallel Interface                          | Standard 36-pin printer cable and a parallel port on the host computer.<br>IEEE1284<br> <b>Note</b><br><input type="checkbox"/> Do not use a parallel cable that is longer than 3 meters (10 feet). |
| Printer Language                            | PCL 5e , PCL 6<br>PS2 (option)   |
| Fonts                                       | <b>PCL 5e, PCL 6</b><br>35 Intellifonts, 10 True Type fonts<br><b>PS2 (option)</b><br>80 PS Resident fonts   |
| Memory                                      | <b>Standard</b> : 16MB<br><b>Optional SDRAM</b> : 32MB, 64MB, 128MB  |
| Operation Systems supported by this printer | Windows 95 <sup>*3</sup> /98 <sup>*4</sup> /Me <sup>*5</sup><br>Windows 2000 <sup>*6</sup><br>Windows XP <sup>*7</sup><br>Windows NT 4.0 <sup>*8</sup><br>Mac OS <sup>*9</sup><br>Mac OS X <sup>*10</sup>  |
| Network                                     | <b>Topology</b> : Ethernet 10BASE-T/100BASE-TX<br><b>Protocol</b> : TCP/IP, IPX/SPX, AppleTalk   |
| Network Cable                               | 10BASE-T/100BASE-TX interface cable with ferrite core.   |

| Component  | Specification   |
|------------|---|
| Paper Size | <p>Specifications of paper size depends on the machine. Confirm which type of machine you have. See the Operating Instructions that comes with this machine.</p> <p> <b>Note</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> When you use this machine as a printer, the bypass tray and the optional paper tray unit do not support the standard size of 8<sup>1</sup>/<sub>4</sub>"×14".</li> <li><input type="checkbox"/> When you use this machine as a printer, the bypass tray supports the following custom sizes: <ul style="list-style-type: none"> <li>• Metric Version<br/>Vertical 90-216mm<br/>Horizontal 148-355mm</li> <li>• Inch Version<br/>Vertical 3.54"-8.50"<br/>Horizontal 5.83"-14.00"</li> </ul> </li> </ul> |

5

\*1 For PCL 5e, only 600dpi is selectable from the printer driver.

\*2 PostScript level2 Compatible

\*3 Microsoft Windows 95 operating system

\*4 Microsoft Windows 98 operating system

\*5 Microsoft Windows Millennium Edition

\*6 Microsoft Windows 2000 Professional

Microsoft Windows 2000 Server

\*7 Microsoft Windows XP Professional

Microsoft Windows XP Home Edition

\*8 Microsoft Windows NT Server operating system version 4.0, Microsoft Windows NT Workstation operating system version 4.0 in a computer using x86 processors.

\*9 Versions 8.6 to 9.2 of the Mac OS (Mac OS X Classic mode is supported.)

\*10 Mac OS X 10.1 or later (Native mode)

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## Options

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### Network Interface Board Type 1018

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- ❖ **Topology:**  
Ethernet (10BaseT/100BaseTX)
- ❖ **Protocols:**  
TCP/IP, IPX/SPX, AppleTalk
- ❖ **Interface Connector:**  
RJ45
- ❖ **Required Cable:**  
Interface cable with ferrite core  
Interface cable is not provided with this option.

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### Memory Unit

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

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### Type 1018 PostScript level2 Compatible Kit

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PostScript level2 compatible.

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Declaration of Conformity

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



**Caution (in case of IEEE1284 environment):**

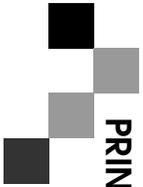
Properly shielded and grounded cables (STP) and connectors must be used for connections to host computer (and/or peripheral) in order to meet EMC Directive 89/336/EEC emission limits.



**Caution (in case of 100BaseTX environment):**

Interface cable with ferrite core must be used for RF interference suppression.





**PRINTER Controller Type 1013 Operating Instructions Printer Reference 2 (option)**