

# PostScript 3 Supplement

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# 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.

Please read the Safety Information before using this printer. It contains important information related to USER SAFETY and PREVENTING EQUIPMENT PROBLEMS.

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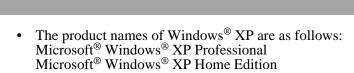
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The proper names of the Windows operating systems are as follows:

- The product name of Windows<sup>®</sup> 95 is Microsoft<sup>®</sup> Windows 95.
- The product name of Windows® 98 is Microsoft® Windows 98.
- The product name of Windows<sup>®</sup> Me is Microsoft<sup>®</sup> Windows Millennium Edition (Windows Me).
- The product names of Windows® 2000 are as follows:

Microsoft® Windows® 2000 Advanced Server

Microsoft<sup>®</sup> Windows<sup>®</sup> 2000 Server Microsoft<sup>®</sup> Windows<sup>®</sup> 2000 Professional



- The product names of Windows Server<sup>TM</sup> 2003 are as follows: Microsoft<sup>®</sup> Windows Server<sup>TM</sup> 2003 Standard Edition Microsoft<sup>®</sup> Windows Server<sup>TM</sup> 2003 Enterprise Edition Microsoft<sup>®</sup> Windows Server<sup>TM</sup> 2003 Web Edition
- The product names of Windows NT<sup>®</sup> 4.0 are as follows: Microsoft<sup>®</sup> Windows NT<sup>®</sup> Server 4.0
- Microsoft® Windows NT® Workstation 4.0

#### Note:

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



# **How to Read This Manual**

#### **Symbols**

The following set of symbols is used in this manual.

#### **↑** WARNING:

This symbol indicates a potentially hazardous situation that might result in death or serious injury when you misuse the machine without following the instructions under this symbol. Be sure to read the instructions, all of which are described in the Safety Information section.

#### **↑** CAUTION:

This symbol indicates a potentially hazardous situation that might result in minor or moderate injury or property damage that does not involve personal injury when you misuse the machine without following the instructions under this symbol. Be sure to read the instructions, all of which are described in the Safety Information section.

\* 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 information or preparations required prior to operating.

#### Note

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

# 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 display panel.

[ ]

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. Using PostScript 3

# **Setting up Options**

This section describes specific printer functions and menus added by installing the PPD file. For more information about Windows 95/98/Me PostScript 3 printer driver functions and menus, see the printer driver Help.

# Preparation

For Macintosh, Mac OS 8.6 or a later version, or Mac OS X 10.1 or a later version is required. Mac OS X classic is also supported.

## Limitation

- ☐ If you use Mac OS X, the following functions cannot be used:
  - Sample Print
  - · Locked Print
  - User Code

#### Note

☐ "Mac OS X" in the tables below refers to Mac OS X 10.2.3. Depending on the version, [Features x] is displayed as [Set x] (x is a number). Make adjustments according to the version you use.



# **Job Type**

Use this function to select print job type.

The following table shows where you can select this function.

Windows 95/98/Me	[Job Type:] on the [Setup] tab
Windows 2000/XP, Windows Server 2003	[Job Type:] on the [Job Log] tab in the [Printing Preferences] dialog box
Windows NT 4.0	[Job Type:] on the [Job Log] tab in the [Document Defaults] dialog box
Mac OS	[Job Type:] on [Job Log] in the print dialog box
Mac OS X	This function is not available.

You can select the following items:

## **❖** Normal

Select this function for normal printing. The print job starts immediately after the print command is sent.



□ Under Windows 95/98/Me, if you want to use a user ID, click [Details...].



#### Sample Print

Use this function to print only one set from a multiple-set print job.

The other sets are saved in the printer. The saved job can be printed from the printer's control panel. You can also delete the saved job.

#### Limitation

☐ To use this function, the optional hard disk drive must be installed on the printer.

## Note

- ☐ The user ID can consist of up to eight alphanumeric (a-z, A-Z, 0-9) characters.
- ☐ Entering the user ID helps you distinguish the print job from others.

## Reference

For more information about how to use Sample Print, see p.10 "How to Use Sample Print".

#### Locked Print

Use this function to save documents in memory using a password, and then edit and print them as required.

## Limitation

☐ To use this function, the optional hard disk drive must be installed on the printer.

#### Note

☐ The user ID can consist of up to eight alphanumeric (a-z, A-Z, 0-9) characters. The password must be four digits.

## Reference

For more information about how to use Locked Print, see p.13 "How to Use Locked Print".



## **How to Use Sample Print**

This describes how to print a document using the Sample Print function.



☐ 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 the collate option is selected in the application print dialog box, more prints than intended may be printed.

#### Windows 95/98/Me

1 In an application, select the menu command to print.

The print dialog box appears.

- **2** Open the printer properties dialog box to set Sample Print.
- 3 Click the [Setup] tab.
- 4 In [Job Type:], click [Sample Print].
- 5 Click [Details...] button.
- 6 In [User ID:], enter the user ID using up to eight alphanumeric (a-z, A-Z, 0-9) characters.
  - Note
  - ☐ Set this to identify the user associated with the job.
- Click [OK] to close the printer properties dialog box.
- 8 Start printing from the application's print dialog box.

The Sample Print job is sent to the printer and one set is printed.



**9** Check the sample print to confirm that the settings are correct.

If the settings are correct, see "Printing the Remaining Sets", Printer Client Reference.

If not, you can delete the saved job. See "Deleting a Sample Print File", Printer Client Reference.

## Windows 2000/XP, Windows Server 2003, Windows NT 4.0

1 In an application, select the menu command to print.

The print dialog box appears.

- 2 Open the printer properties dialog box to set Sample Print.
- Click the [Job Log] tab.
- 4 In [Job Type:], click [Sample Print].
- In [User ID:], enter the user ID using up to eight alphanumeric (a-z, A-Z, 0-9) characters.
  - Note
  - ☐ Set this to identify the user associated with the job.
- 6 Click [OK] to close the printer properties dialog box.
- **7** Start printing from the application's print dialog box.

The Sample Print job is sent to the printer and one set is printed.

8 Check the sample print to confirm that the settings are correct.

If the settings are correct, see "Printing the Remaining Sets", Printer Client Reference.

If not, you can delete the saved job. See "Deleting a Sample Print File", Printer Client Reference.



- 1 In an application, select the menu command to print.
  - The print dialog box appears.
- 2 On the pop-up menu, click [Job Log].
- In [Job Type:], click [Sample Print], and then select the appropriate setting.
- In [User ID:], enter the user ID using up to eight alphanumeric (a-z, A-Z, 0-9) characters.
  - Note
  - ☐ Set this to identify the user associated with the job.
  - ☐ The user ID can consist of up to eight alphanumeric (a-z, A-Z, 0-9) characters.
- 5 After making the necessary settings you want, click [Print].

The Sample Print job is sent to the printer and one set is printed.

6 Check the sample print to confirm that the settings are correct.

If the settings are correct, see "Printing the Remaining Sets", Printer Client Reference.

If not, you can delete the saved job. See "Deleting a Sample Print File", Printer Client Reference.



#### **How to Use Locked Print**

This describes how to print a document using the Locked Print function.



☐ 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 the collate option is selected in the application print dialog box, more prints than intended may be printed.

#### Windows 95/98/Me

- 1 In an application, select the menu command to print.
  - The print dialog box appears.
- 2 Open the printer properties dialog box to set Locked Print.
- Click the [Setup] tab.
- 4 In [Job Type:], click [Locked Print].
- Click [Details...].
- In [User ID:], enter the user ID using up to eight alphanumeric (a-z, A-Z, 0-9) characters, and then enter a 4-digit password in [Password:].
  - Note
  - ☐ Set this to identify the user associated with the job.
- **7** Click [OK] to close the printer properties dialog box.



The Locked Print job is sent to the printer.

**9** Check the locked print to confirm that the settings are correct.

If the settings are correct, see "Entering the Password", Printer Client Reference.

If not, you can delete the saved job. See "Deleting a Sample Print File", Printer Client Reference.

#### Windows 2000/XP, Windows Server 2003, Windows NT 4.0

1 In an application, select the menu command to print.

The print dialog box appears.

- 2 Open the printer properties dialog box to set Locked Print.
- Click the [Job Log] tab.
- 4 In [Job Type:], click [Locked Print].
- In [User ID:], enter the user ID using up to eight alphanumeric (a-z, A-Z, 0-9) characters, and then enter a 4-digit password in [Password:].
  - Note
  - ☐ Set this to identify the user associated with the job.
- 6 Click [OK] to close the printer properties dialog box.
- **7** Start printing from the application's print dialog box.

The Locked Print job is sent to the printer.



8 Check the locked print to confirm that the settings are correct.

If the settings are correct, see "Entering the Password", *Printer Client Reference*.

If not, you can delete the saved job. See "Deleting a Sample Print File", Printer Client Reference.

## Mac OS

1 In an application, select the menu command to print.

The print dialog box appears.

- 2 On the pop-up menu, click [Job Log].
- In [Job Type:], click [Locked Print], and then select the appropriate setting.
- In [User ID:], enter the user ID using up to eight alphanumeric (a-z, A-Z, 0-9) characters, and then enter a 4-digit password in [Password:].
  - Note
  - ☐ Set this to identify the user associated with the job.
- 5 After making the necessary settings you want, click [Print].

The Locked Print job is sent to the printer.

6 Check the locked print to confirm that the settings are correct.

If the settings are correct, see "Entering the Password", Printer Client Reference.

If not, you can delete the saved job. See "Deleting a Locked Print File", Printer Client Reference.



#### Collate

Use this function to enable collation. With this feature, the printer can efficiently print collated sets of multiple-page documents.

# Limitation

- ☐ To use this function, a memory unit of total 192 MB or the hard disk drive must be installed on the printer.
- ☐ Under Windows 2000/XP, Windows Server 2003, Mac OS, or Mac OS X, make sure the following check boxes have not been selected.
  - Windows 2000/XP, Windows Server 2003
     The [Collated] check box on [Paper/Output] on [Advanced...] on the [Paper/Quality] tab in the [Printing Preferences] dialog box.
  - Mac OS
     The [Collated] check box in the print dialog box.
  - Mac OS X
     The [Collated] check box on [Copies & Pages] in the printer dialog box.

The following table shows where you can select this function.

Windows 95/98/Me	[Collate:] on the [Setup] tab
Windows 2000/XP, Windows Server 2003	[Collate:] on [Printer Features] on [Advanced] on the [Paper/Quality]tab in the [Printing Preferences] dialog box
Windows NT 4.0	[Collate:] on [Document Options] on the [Advanced] tab in the [Document Defaults] dialog box
Mac OS	[Collate:] on [Printer Specific Options] in the print dialog box
Mac OS X	[Collate:] on the [Features 1] tab on [Printer Features] in the printer dialog box



# **Duplex Printing**

Use this function to select duplex printing.

#### Limitation

- ☐ To use this function, the optional duplex unit must be installed on the printer.
- ☐ You cannot perform duplex printing when using the bypass tray.

The following table shows where you can select this function.

Windows 95/98/Me	[Duplex:] on the [Setup] tab
Windows 2000/XP, Windows Server 2003	[Print on Both Sides (Duplex)] on the [Layout] tab in the [Printing Preferences] dialog box
Windows NT 4.0	[Print on Both Sides (Duplex Printing)] on the [Page Setup] tab in the [Document Defaults] dialog box
Mac OS	[Print on Both Sides] on [Layout] in the print dialog box
Mac OS X	[Print on both Sides] check box on [Duplex:] in the print dialog box

You can select the following items. Availability of these items varies depending on the operating system you are using.

#### Windows 95/98/Me

#### Off

Disables duplex printing.

## Open to Left

Prints so you can open it to the left.



## Open to Top

Prints so you can open it to the top.

#### Windows 2000/XP, Windows Server 2003, Mac OS, Mac OS X



☐ If you use a Macintosh, click the button that means [Flip on Long Edge] or [Flip on Short Edge].

#### None

Disables duplex printing.

## Flip on Long Edge

Prints so you can open it to the long edge when bound along the long edge.

#### Flip on Short Edge

Prints so you can open it to the short edge when bound along the short edge.

#### Windows NT 4.0

#### None

Disables duplex printing.

#### Short Side

Prints so you can open it to the short edge when bound along the short edge.

#### Long Side

Prints so you can open it to the long edge when bound along the long edge.



#### **Color Mode**

Use this function to select whether the document is printed in color or black and white.

The following table shows where you can select this function.

Windows 95/98/Me	[Color/ Black and White:] on the [Setup] tab
Windows 2000/XP, Windows Server 2003	[Color Mode] on [Printer Features] on [Advanced] on the [Paper/Quality] tab in the [Printing Preferences] dialog box
Windows NT 4.0	[Color Mode] on [Document Options] on the [Advanced] tab in the [Document Defaults] dialog box
Mac OS	[Color Mode:] on [Printer Specific Options] in the print dialog box
Mac OS X	[Color Mode] on the [Features 1] tab on [Printer Features] in the print dialog box



☐ If you are using Windows 95/98/Me, this mode is called "Color/Black and White".

You can select the following items:

#### Color

Prints color documents in full color.



- Color images are printed using CMYK toner, Cyan, Magenta, Yellow, and Black. CMYK represents the three primary subtractive colors.
- ☐ If you want to adjust the print color, use the settings in the [Advanced] dialog box accessed from the [Advanced] button on the [Print Quality] tab.



#### Black and White

Prints everything, including color documents, in black and white. Black and White printing is faster than Color. To stop black and white areas being printed with CMYK toner, select [Black and White] in the printer driver as well as in the application.

## **Staple**

Use this function to staple output. When you turn staple on, the printed document is collated automatically. You should switch off Collate from the **[Print]** window of your application to prevent the entire job being stapled together.

## Limitation

- ☐ To use this function, the finisher must be installed on the printer.
- $\ \square$  The memory unit of total 192 MB or the optional hard disk drive must be installed on the printer.

The following table shows where you can select this function.

Windows 95/98/Me	[Staple:] on the [Setup] tab
Windows 2000/XP, Windows Server 2003	[Staple:] on [Printer Features] on [Advanced] on the [Paper/Quality] tab in the [Printing Preferences] dialog box
Windows NT 4.0	[Printer Features] on [Document Options] on the [Advanced] tab
Mac OS	[Staple:] on [Printer Specific Options] in the print dialog box
Mac OS X	[Staple:] on the [Features 3] tab on [Printer Features] in the print dialog box



## **Punch**

Use this function to punch binding holes through sheets. When you turn punch on, the printed document is collated automatically. You should switch off Collate from the **[Print]** window of your application to prevent the entire job being punched.

## Limitation

☐ To use this function, the finisher must be installed on the printer.

The following table shows where you can select this function.

Windows 95/98/Me	[Punch:] on the [Setup] tab
Windows 2000/XP, Windows Server 2003	[Punch:] on [Printer Features] on [Advanced] on the [Paper/Quality] tab in the [Printing Preferences] dialog box
Windows NT 4.0	[Printer Features] on [Document Options] on the [Advanced] tab
Mac OS	[Punch:] on [Printer Specific Options] in the print dialog box
Mac OS X	[Punch:] on the [Features 3] tab on [Printer Features] in the print dialog box



## **Paper Selection**

## **All Pages and Destination Tabs**

Use this function to select the media type, input tray, and output tray.

# Limitation

☐ This function is for Windows 95/98/Me only.

# Reference

For more information about the [All Pages and Destination] tabs, see the printer driver Help.

## **Paper Size**

Use this function to select the paper size.

The following table shows where you can select this function.

Windows 95/98/Me	[Size:] on the [Paper] tab
Windows 2000/XP, Windows Server 2003	[Paper Size:] on [Paper/Output] on [Advanced] on the [Paper/Quality] tab in the [Printing Preference] dialog box
Windows NT 4.0	[Paper Size:] on the [Page Setup] tab in the [Document Defaults] dialog box
Mac OS	[Paper:] on the [Page Attributes] tab in the [Page Setup] dialog box
Mac OS X	[Paper Size:] in the [Page Setup] dialog box

# Reference

For more information about paper sizes supported by this printer, see "Types of Paper and Other Media". *Maintenance Guide*.



When the size of the document and paper size differ, set whether or not to print according to paper size.

Windows 95/98/Me	[Fit to Print Size:] on the [Paper] tab
Windows 2000/XP, Windows Server 2003	[Fit to Paper] on [Printer Features] on [Advanced] on the [Paper/Quality] tab in the [Printing Preferences] dialog box
Windows NT 4.0	[Fit to Paper] on [Document Options] on the [Advanced] tab in the [Document Defaults] dialog box
Mac OS	[Fit to Paper] on [Printer Specific Options] in the print dialog box
Mac OS X	[Fit to Paper] on the [Features 2] tab on [Printer Features] in the print dialog box

## Prompt User

Print is performed with the size of document to be printed unchanged.

#### ♦ Nearest Size and Scale

If the paper size is smaller than the selected paper size, the printer driver reduces the print size. If the paper size is larger than the size of document to be printed, the printing does not fit the paper size.

## **❖** Nearest Size and Crop

When the paper size is smaller than the size of document to be printed, the printing is adjusted to fit the paper size.



# **Media Type**

Use this function to select the media type.

The following table shows where you can select this function.

Windows 95/98/Me	[Type:] on [All Pages] on the [Paper] tab
Windows 2000/XP, Windows Server 2003	[Media:] on the [Paper/Quality] tab in the [Printing Preferences] dialog box
Windows NT 4.0	[Paper/Output] on the [Advanced] tab in the [Document Defaults] dialog box
Mac OS	[Paper Type:] on [Printer Specific Options] in the print dialog box
Mac OS X	[Paper Type] on the [Features 4] tab on [Printer Features] in the print dialog box

# Reference

For more information about media supported by this printer, see "Types of Paper and Other Media", *Maintenance Guide*.



Use this function to select the paper sources.

The following table shows where you can select this function.

Windows 95/98/Me	[Input Tray:] on [All Pages] on the [Paper] tab
Windows 2000/XP, Windows Server 2003	[Paper Source:] on the [Paper/Quality] tab in the [Printing Preferences] dialog box
Windows NT 4.0	[Page Setup] tab in the [Document Defaults] dialog box
Mac OS	[Paper Source:] on [General] in the print dialog box
Mac OS X	[Paper Feed] in the print dialog box

# **Destination Tray**

Use this function to select the output tray.

The following table shows where you can select this function.

Windows 95/98/Me	[Destination] on the [Paper] tab
Windows 2000/XP, Windows Server 2003	[Destination] on [Printer Features] on [Advanced] on the [Paper/Quality] tab in the [Printing Preferences] dialog box
Windows NT 4.0	[Printer Features] on [Document Options] on the [Advanced] tab
Mac OS	[Destination] on [Printer Specific Options] in the print dialog box
Mac OS X	[Destination] on the [Features 3] tab on [Printer Features] in the print dialog box



# Resolution

Use this to set the resolution to [600 dpi] or [1200 dpi].

# Limitation

☐ If the resolution option is set to [1200 dpi], the gradation option must be set to [Fast].

The following table shows where you can select this function.

Windows 95/98/Me	[Advanced] on the [Print Quality] tab
Windows 2000/XP, Windows Server 2003	[Graphic] on [Advanced] on the [Paper/Quality] tab in the [Printing Preferences] dialog box
Windows NT 4.0	[Graphic] on [Document Options] on the [Advanced] tab in the [Document Defaults] dialog box
Mac OS	[Printer Specific Options] in the print dialog box
Mac OS X	[Resolution] on the [Features 1] tab on [Printer Features] in the print dialog box



Gradation

Use this function to select a type of gradation suited to your requirements.

The following table shows where you can select this function.

Windows 95/98/Me	[Print Quality] tab
Windows 2000/XP, Windows Server 2003	[Gradation:] on [Printer Features] on [Advanced] on the [Paper/Quality] tab in the [Printing Preferences] dialog box
Windows NT 4.0	[Gradation] on [Document Options] on the [Advanced] tab in the [Document Defaults] dialog box
Mac OS	[Gradation] on [Printer Specific Options] in the print dialog box
Mac OS X	[Gradation] on the [Features 2] tab on [Printer Features] in the print dialog box

You can select the following items:

#### ◆ Fast

Prints quickly but loses smoothness.

#### Standard

Prints with good gradation.



#### **Color Profile**

Use this function to select the color profile pattern.

The following table shows where you can select this function.

Windows 95/98/Me	[Color Profile:] on the [Advanced] window displayed when clicking [Advanced] after selecting [Manual] on [Color] on the [Print Quality] tab
Windows 2000/XP, Windows Server 2003	[Color Profile:] on [Printer Features] on [Advanced] on the [Paper/Quality] tab in the [Printing Preferences] dialog box
Windows NT 4.0	[Color Profile:] on [Document Options] on the [Advanced] tab in the [Document Defaults] dialog box
Mac OS	[Color Profile] on [Printer Specific Options] in the print dialog box
Mac OS X	[Color Profile] on the [Features 1] tab on [Printer Features] in the print dialog box

You can select the following items:

# Important

□ Under Windows 95/98/Me, you can configure [Color Profile:] in [Advanced] by selecting [Manual] from the [Color] setting. Selecting [Automatic] sets the printer to "Auto".

#### Auto

Use this setting to automatically configure the best color profile pattern based on the appearance of the document to be printed.

## Photographic

Use this setting to enhance reproduction of photos and graphics that include midtones.



#### Presentation

Use this setting to enhance reproduction of documents containing text and graphics. This CRD is best for printing colored charts, graphs, presentation materials and so on. If you use this CRD for printing photographs, color and gradation might not reproduce so well.

#### Solid Color

Use this setting to print specific single colors, logos and so on.

## User Setting

Use this setting to print images using a CRD downloaded from your application.

#### CLP Simulation

Prints the output colors similar to the colors displayed on the computer screen.

#### Note

□ Use this function to select a color rendering dictionary (CRD). The CRD is referred to color matching, so you should select the appropriate CRD for the document you are printing. The selected CRD is also referred to when [Fine] or [Super Fine] is selected for "Color Setting". The following items are available: [Auto], [Photographic], [Presentation], and [Solid Color].



# **Color Setting**

Use this function to select the correction method used for color conversion.

The following table shows where you can select this function.

Windows 95/98/Me	[Color Setting:] on the [Advanced] window displayed when clicking [Advanced] after selecting [Manual] on [Color] on the [Print Quality] tab
Windows 2000/XP, Windows Server 2003	[Color Setting:] on [Printer Features] on [Advanced] on the [Paper/Quality] tab in the [Printing Preferences] dialog box
Windows NT 4.0	[Color Setting:] on [Document Options] on the [Advanced] tab in the [Document Defaults] dialog box
Mac OS	[Color Setting] on [Printer Specific Options] in the print dialog box
Mac OS X	[Color Setting] on the [Features 2] tab on [Printer Features] in the print dialog box

# #Important

□ Under Windows 95/98/Me, you can configure [Color Setting:] in [Advanced] by selecting [Manual] from the [Color] setting. Selecting [Automatic] sets the print resolution to "Super Fine".

## Note

☐ The color rendering dictionary selected in the Color Profile setting is used.

You can select the following items:

#### ◆ Off

No modification to the color setting.



#### Fine

Select this setting to perform color matching based on the printer's built-in color rendering dictionaries, and to perform CMYK conversion. This setting performs printing at an output target of Monitor  $\gamma = 1.8$ .

## Super Fine

Select this setting to use a color rendering dictionary similar to the Fine setting but is capable of producing output that is more vivid. Use this setting to emphasize lighter colors. This setting performs printing at an output target of Monitor  $\gamma = 2.2$ .

## Note

□ Use this function to select a color rendering dictionary (CRD). The CRD is referred to color matching, so you should select the appropriate CRD for the document you are printing. The selected CRD is also referred to when [Fine] or [Super Fine] is selected for "Color Setting". The following items are available: [Auto], [Photographic], [Presentation], and [Solid Color].



#### **CMYK Simulation Profile**

You can simulate the color tone of the printing ink. You can select the printing ink standard from SWOP, Euroscale, JapanColor, and PaletteColor.

Windows 95/98/Me	[CMYK Simulation Profile:] in the [Advanced] dialog box displayed when you click [Advanced], after selecting [Manual] from [Color] on the [Print Quality] tab
Windows 2000/XP, Windows Server 2003	[CMYK Simulation Profile:] on [Printer Features] on [Advanced] on the [Paper/Quality] tab in the [Printing Preferences] dialog box
Windows NT 4.0	[CMYK Simulation Profile:] on [Document Options] on the [Advanced] tab in the [Document Defaults] dialog box
Mac OS	[CMYK Simulation Profile] on [Printer Specific Options] in the print dialog box
Mac OS X	[CMYK Simulation Profile] on the [Features 3] tab on [Printer Features] in the print dialog box

# #Important

□ Under Windows 95/98/Me, you can configure [CMYK Simulation Profile:] in [Advanced] by selecting [Manual] from the [Color] setting. Selecting [Automatic] sets the printer to "Off".



# **Dithering**

Use this function to set the Image Rendering mode.

The following table shows where you can select this function.

Windows 95/98/Me	[Advanced] on the [Print Quality] tab
Windows 2000/XP, Windows Server 2003	[Dithering:] on [Printer Features] on [Advanced] on the [Paper/Quality] tab in the [Printing Preferences] dialog box
Windows NT 4.0	[Dithering:] on [Document Options] on the [Advanced] tab in the [Document Defaults] dialog box
Mac OS	[Dithering] on [Printer Specific Options] in the print dialog box
Mac OS X	[Dithering] on the [Features 2] tab on [Printer Features] in the print dialog box

# Important

□ Under Windows 95/98/Me, you can configure [Dithering:] in [Advanced] by selecting [Manual] from [Color] setting. Selecting [Automatic] sets the printer to "Auto".

You can select the following items:

#### Auto

Use this setting to configure the best dithering method automatically, based on the appearance of the document to be printed.

## Photographic

Performs dithering in an appropriate form for photographs.

#### ◆ Text

Performs dithering in an appropriate form for text.



#### User Setting

Use this setting to print images set in your application as half tone.

## **Gray Reproduction**

Use this function to select Black Color mode for text and line art.

The following table shows where you can select this function.

Windows 95/98/Me	[Gray Reproduction (Text/Line Art):] in [Advanced] by selecting [Manual] from the [Color] setting. [Automatic] sets the printer to "Pure Black Text"
Windows 2000/XP, Windows Server 2003	[Gray Reproduction (Text/Line Art):] on [Printer Features] on [Advanced] on the [Paper/Quality] tab in the [Printing Preferences] dialog box
Windows NT 4.0	[Gray Reproduction (Text/Line Art):] on [Document Options] on the [Advanced] tab in the [Document Defaults] dialog box
Mac OS	[Gray Reproduction (Text/Line Art)] on [Printer Specific Options] in the print dialog box
Mac OS X	[Gray Reproduction (Text/Line Art)] on the [Features 2] tab on [Printer Features] in the print dialog box

# **#Important**

□ Under Windows 95/98/Me, you can configure [Gray Reproduction (Text/Line Art):] in [Advanced] by selecting [Manual] from the [Color] setting. Selecting [Automatic] sets the printer to "Black/Gray by K".

You can select the following items:

## Black by K

Select this setting to use a black toner.



# ❖ Black/Gray by K

Black portions are printed in gray.

#### ◆ CMY + K

Select this setting to use all toners.

## **Black Over Print**

Select whether or not to apply print black over the other colors.

The following table shows where you can select this function.

Windows 95/98/Me	[Black Over Print] in [Advanced] by selecting [Manual] from the [Color] setting
Windows 2000/XP, Windows Server 2003	[Black Over Print] on [Printer Features] on [Advanced] on the [Paper/Quality] tab in the [Printing Preferences] dialog box
Windows NT 4.0	[Black Over Print] on [Document Options] on the [Advanced] tab in the [Document Defaults] dialog box
Mac OS	[Black Over Print] on [Printer Specific Options] in the print dialog box
Mac OS X	[Black Over Print] on the [Features 1] tab on [Printer Features] in the print dialog box



# **Toner Saving**

Use this function to reduce the amount of toner used when printing.

The following table shows where you can select this function.

Windows 95/98/Me	[Toner Saver] on the [Print Quality] tab
Windows 2000/XP, Windows Server 2003	[Toner Saving] on [Printer Features] on [Advanced] on the [Paper/Quality] tab in the [Printing Preferences] dialog box
Windows NT 4.0	[Toner Saver] on [Document Options] on the [Advanced] tab in the [Document Defaults] dialog box
Mac OS	[Toner Saver] on [Printer Specific Options] in the print dialog box
Mac OS X	[Toner Saver] on the [Features 1] tab on [Printer Features] in the print dialog box

#### **Color Control**

Use this function to select whether or not you want the colors in the documents to be adjusted before printing, so that the printed page matches the colors on the screen closer.

The following table shows where you can select this function.

Windows 95/98/Me	[Print Quality] tab
Windows 2000/XP, Windows Server 2003	[Graphic] on [Advanced] on the [Paper/Quality] tab in the [Printing Preferences] dialog box
Windows NT 4.0	This function is not available.
Mac OS	[Print Color] on the [Color Matching] tab in the print dialog box
Mac OS X	This function is not available.



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- □ Under Windows 2000/XP or Windows Server 2003, this function is called "Image Color Management".
- ☐ Under Windows NT 4.0, this function cannot be configured.
- Under Mac OS, this function is called "Color Matching".

#### Image Color Control

Open the **[Image Color Matching]** dialog box, and then click this button to specify exactly how you want the colors on your screen adjusted before printing.

#### **User Code**

Use this function to set a user code for print logging.

Enter a user code using up to eight digits. A user code identifies a group of users and allows you to check the number of sheets printed under each code using SmartDeviceMonitor for Admin.

The following table shows where you can select this function.

Windows 95/98/Me	[User Code] on the [Statistics] tab
Windows 2000/XP, Windows Server 2003	[User Code] on the [Job Log] tab in the [Printing Preferences] dialog box
Windows NT 4.0	[User Code] on the [Job Log] tab in the [Document Defaults] dialog box
Mac OS	[User Code] on [Job Log] in the print dialog box
Mac OS X	This function is not available.

## Reference

For more information about using SmartDeviceMonitor for Admin, see Help.



See "Setting Up Options", *Printer Client Reference* or *Administrator Reference* for the installation method appropriate to your printing environment.

The following table shows where you can select this function.

Windows 95/98/Me	[Options] on the [Accessories] tab
Windows 2000/XP, Windows Server 2003	[Installable Options] on the [Device Setting] tab
Windows NT 4.0	[Installable Options] on the [Device Setting] tab in the [Document Defaults] dialog box
Mac OS	For ethernet, [Chooser] on the Apple Menu. For USB, [Change Set-up] from the [Printing] menu to open the Desktop printer
Mac OS X	This function is not available.

#### ❖ Tray 3

• You can select the tray with the following menu for Paper Feed Unit Type 7100: Paper Source, see p.25 "Paper Source".

### Tray 3 and 4

• You can select the other tray with the following menu for an additional Paper Feed Unit Type 7100:

Paper Source, see p.25 "Paper Source".

## ❖ Tray 3 (LCT)

• You can select the tray with the following menu for Paper Bank Type 7100: Paper Source, see p.25 "Paper Source".



#### Duplex Unit

• You can use the following function with Duplex Unit Type 7100: Duplex Printing, see p.17 "Duplex Printing".

#### Hard Disk

• You can use the following function with printer hard disk: Collate, see p.8 "Job Type", p.16 "Collate", p.20 "Staple".



☐ This function is for Windows 95/98/Me only.

#### Total Memory

• You can use the following function with memory unit (64/128/256): Collate, see p.16 "Collate", p.20 "Staple".



☐ The memory unit of total 192 MB must be installed on the printer.

#### Finisher



- ☐ The optional 2 tray finisher and booklet finisher cannot be installed together.
- ☐ The memory unit of total 192 MB or the optional hard disk drive must be installed on the printer.
- The following functions are available with SR770 and SR910:
   Destination, see p.25 "Destination Tray".
   Staple, see p.20 "Staple".
   Punch, see p.21 "Punch".



# 2. Printer Utility for Mac

Using Printer Utility for Mac, you can download fonts, change the printer's name, and so on.

- Limitation
- ☐ If a Macintosh and printer are connected by USB, you cannot use Printer Utility for Mac.
- Note
- Printer Utility for Mac is included on the CD-ROM labeled "Printer Drivers and Utilities".
- ☐ Printer Utility for Mac requires Mac OS 7.6.1-9.x, or Mac OS X 10.1.x or 10.2.1. Mac OS X 10.0.x and 10.2 are not supported.

# **Installing Printer Utility for Mac**

Follow the procedure below to install Printer Utility for Mac on the printer.

- **1** Start the Macintosh.
- 2 Insert the CD-ROM into the CD-ROM drive.

The CD-ROM icon appears.

- 3 Double-click the hard disk icon to open it.
- 4 Double-click the CD-ROM icon.

The contents of the CD-ROM appear.

- **5** Double-click the [Mac OS 8 and 9] folder.
  - Note
  - ☐ Under Mac OS X, double-click the [Mac OS X] folder.
- **6** Double-click the [PS Utility] folder on the CD-ROM.
- **7** Double-click the [Printer Utility for Mac] folder.

- **8** Double-click the folder of the language you use.
- 9 Move the "Printer Utility for Mac" file to the Macintosh hard disk using a drag-and-drop operation.
- Drag the CD-ROM icon to the Trash to eject the CD-ROM.

Printer Utility for Mac is installed.



# **Starting Printer Utility for Mac**

#### Mac OS

- **#Important**
- ☐ Before starting Printer Utility for Mac, make sure the printer is selected in [Chooser] on the Apple menu.
- 1 Double-click the Printer Utility for Mac icon.
  The [Printer Utility for Mac] dialog box appears.
- 2 Click [OK].

Printer Utility for Mac will take a few seconds to start.

Reference

For more information, see p.44 "Printer Utility for Mac Functions".



#### Mac OS X

- 1 Double-click the Printer Utility for Mac icon.
  - The [Printer Utility for Mac] dialog box appears.
- 2 Click [OK].
- In the [Available Printers:] box, select the printer you want to use.
  - Note
  - ☐ If you change zones, select a name from [Available Network Zones:].
  - ☐ Click [Choose Printer...] on the Printer Utility for Mac menu if you want to change the printer.
- 4 Select the printer you want to use.

Printer Utility for Mac will take a few seconds to start.

- 5 Click [Choose].
  - Reference

For more information, see p.44 "Printer Utility for Mac Functions".



# **Printer Utility for Mac Functions**

Printer Utility for Mac functions are described below.

#### File menu

- [Download PS Fonts...]
  - Downloads fonts (PostScript Type 1) to the printer. See p.45 "Downloading PS Fonts".
- [Display Printer's Fonts...]

Displays and deletes fonts in the printer memory and hard disk. See p.46 "Displaying the Printer's Fonts".

- [Initialize Printer's Disk...]
  - Initializes the printer's hard disk. See p.48 "Initializing the Printer Disk".
- [Page Setup...]

Sets up the paper size to print a Printer Font Catalog and Printer Font Sample. See p.49 "Page Setup".

- [Print Font Catalog...]
  - Print the names of available fonts. See p.49 "Printing Font Catalog".
- [Print Font Sample...]

Print a sample of fonts. See p.49 "Printing Font Sample".

- [Rename Printer...]
  - Changes the printer name when viewing with Appletalk. See p.50 "Renaming the Printer".
- [Restart Printer]
  - Restarts the printer. See p.51 "Restarting the Printer".



#### Utility menu

- [Download PostScript File...]
  - Downloads a PostScript file. See p.52 "Downloading PostScript Files".
- [Select Zone...]

Changes the zone the printer belongs to with Appletalk. See p.52 "Selecting the Zone".

- [Display Printer Status...]
  - Displays printer status. See p.53 "Displaying Printer Status".
- [Launch Dialogue Console...]

Creates and edits a PostScript file, and then download it to the printer. See p.54 "Launching the Dialogue Console".

### **Downloading PS Fonts**

You can download PS fonts to printer memory or hard disk.

## **#Important**

- ☐ The following procedures to download fonts assume that you are a system administrator. If you are not, be sure to consult your system administrator.
- ☐ If the printer restarts, all printer settings return to default.
- Confirm that a Macintosh and printer are connected with Appletalk.

#### Note

- ☐ Some fonts cannot be downloaded.
- ☐ Before downloading, read the documentation about the fonts you want to use.
- 1 On the [File] menu, click [Download PS Fonts...].
- 2 Click [Add to list].

The dialog box to select fonts appears.



3 Select the desired font files, and then click [Open].

A list of selectable font names appears.

4 After adding all the fonts you want to download, click [OK].

The dialog box of selected fonts to download appears.

5 Click [Download].

The fonts begin to be downloaded, and download status is displayed.

- **#Important**
- ☐ During download, do not turn off the power switch, operate the panel or open/close the cover.
- **6** When the completion message appears, click [OK].
- Click [Cancel].

## **Displaying the Printer's Fonts**

You can display available fonts already downloaded to the printer. Fonts in printer memory and hard disk can be displayed.



- ☐ The fonts displayed in italics are default fonts.
- 1 On the [File] menu, click [Display Printer's Fonts...].
  A dialog box appears.
- 2 Click [Printer's memory] or [Printer's disk].
- Click [OK].



## **Deleting Fonts**

You can delete fonts from printer memory or hard disk.

- 1 On the [File] menu, click [Display Printer's Fonts...].
  A dialog box appears.
- 2 Click [Printer's memory] or [Printer's disk].
- **3** Select the fonts you want to delete.
  - Limitation
  - ☐ You cannot delete the fonts displayed in italics.
- 4 Click [Delete].

A confirmation message appears.

- **5** Confirm the fonts you want to delete and the printer name from which you want to delete them.
- 6 Click [Continue], and then click [OK].
- 7 Click [OK].



## **Initializing the Printer Disk**

When initializing the printer's hard disk, all fonts downloaded to the hard disk are deleted. Before initializing, be sure to check the fonts on the hard disk.

- **#Important**
- ☐ When initializing the printer's hard disk from the control panel, all data on the hard disk is deleted. Before initializing, be sure to check the data on the hard disk.
- 1 On the [File] menu, click [Initialize Printer's Disk...].

A confirmation message appears.

- Note
- ☐ To cancel initialization, click [Cancel].
- 2 Click [Execute].

Initializing starts.

- **#Important**
- ☐ Do not turn off the power switch until initialization is complete, otherwise the hard disk might get damaged.
- 3 When the completion message appears, click [OK].



## **Page Setup**

You can set the paper size on which to print a Print Fonts Catalogue and Prints Fonts Sample.

- 1 On the [File] menu, click [Page Setup...].
- 2 Select a paper size.

## **Printing Font Catalog**

You can print the names of fonts available on the printer.



- ☐ The paper selected under [Page Setup] is used.
- 1 On the [File] menu, click [Print Fonts Catalogue].
- 2 Click [Print].

## **Printing Font Sample**

You can print samples of fonts downloaded to the hard disk or printer memory.



- The paper selected under [Page Setup] is used.
- 1 On the [File] menu, click [Print Fonts Sample...].
- 2 Click [Print].



## **Renaming the Printer**

You can change the printer name as displayed under Appletalk. If you connect several printers to the network, assign different names so you can identify them. If several printers have the same name, a digit appears next to the printer name in **[Chooser]**.

- 1 On the [File] menu, click [Rename Printer...].
- 2 In the [New Name:] filed enter a new name.
  - Limitation
  - ☐ You can enter up to 31 digits and letters.
  - ☐ Do not use symbols, for example "\*", ":", "=", "@", "~".
- Click [Rename].

The printer name is changed.

4 Click [OK].

#### Mac OS

- ① On the Apple menu, click [Chooser].
- 2 Click the AdobePS icon.
- **3** Select the printer whose name you changed in step **2**, and then close the [Chooser] dialog box.
  - Note
  - ☐ If there are several Appletalk zones, select the zone the machine belongs to.

#### Mac OS X

- ① On the [Printer Utility for Mac] menu, click [Choose Printer...].
- 2 In the [Available Network Zones:] list, select the zone for the Macintosh in use.
- 3 In the [Available Printers:] list, select the printer whose name you changed in step 2, and then click [Choose].

### **Restarting the Printer**

You can restart the printer.

- 1 On the [File] menu, click [Restart Printer].
- 2 Confirm the message that appears on the screen, and then click [Restart].

The printer restarts.



- ☐ The fonts that you downloaded to printer memory will be deleted.
- ☐ If the printer restarts, all settings return to default.



### **Downloading PostScript Files**

You can download a PostScript file to the printer.

- 1 On the [Utility] menu, click [Download PostScript File...].
- 2 Select the file you want to download, and then click [Open].
- Enter a log file name, and then click [Save].

The selected file is downloaded.



Errors are recorded in the log file.

### Selecting the Zone

You can change the zone to which the printer belongs under Appletalk.

- **#Important**
- Confirm that a Macintosh and printer are connected with Appletalk.
- 1 On the [Utility] menu, click [Select Zone...].

The zone to which the printer belongs and the available zone list appear.

2 Select the zone which you want to locate the printer in, and then click [Change].

A confirmation message appears.

3 Click [Continue].

A confirmation message appears.

# 4 Click [OK].

#### Mac OS

- ① On the Apple menu, click [Chooser].
- 2 Click the AdobePS icon.
- **③** In the [Appletalk zone:] list, select the zone changed in step **②**.
- 4 In the [Select a PostScript Printer:] list, select the printer you want to use.
- 6 Close the [Chooser] dialog box.

#### Mac OS X

- ① On the [Printer Utility for Mac] menu, click [Choose Printer...].
- 2 In the [Available Network Zones:] list, select the zone changed in step 2.
- 3 In the [Available Printers:] list, select the model of printer in use, and then click [Choose].

### **Displaying Printer Status**

You can display and confirm current printer status.

1 On the [Utility] menu, click [Display Printer Status...].

Current printer status appears.

2 Confirm current printer status.

You can check memory capacity, VM (Virtual Memory) space, hard disk status, and available space on the hard disk. You can also check the zone in which the printer is located.

Click [OK].



## **Launching the Dialogue Console**

You can create and edit a PostScript file for printing, and then download it to the printer.

- **#Important**
- "Launch Dialogue Console" is recommended for users with an understanding of PostScript.
- Do not download any file other than PostScript files to the printer.
- ☐ "Launch Dialogue Console" must be used at your own risk.
- 1 On the [Utility] menu, click [Launch Dialogue Console...].

Open the editing screen. The Dialogue Console menu bar appears.

- 2 In the editor screen, enter a PostScript command.
  - Note
  - ☐ To edit a PostScript file, click [Open] on the [File] menu to open it.
  - ☐ You can search for or replace a character string using the [Search] menu.
- After editing the PostScript file, click [Download Top Window] on the [Console] menu to start printing.

The PostScript file is sent to the printer.

- Note
- ☐ The [Reply from Printer] box opens, depending on the PostScript file sent.
- 4 On the [Console] menu, click [Return To Main Menu] to close the PostScript file.



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