

**DocuCentre-II 3005/2055/2005**

**PostScript<sup>®</sup> User Guide**

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## Preface

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Thank you for purchasing the Adobe PostScript® 3 Kit. This guide describes procedures for installing the Adobe PostScript® 3 Kit and PostScript® Driver Library software, and preparing to use them for printing. Before using the product, read the guide carefully and make sure that you are using it correctly.

The descriptions in this guide assume that users are familiar with their computer environments (either the Microsoft® Windows® operating system or the Macintosh™) and with the procedures for using the DocuCentre-II 3005/2055/2005.

Refer to this guide as necessary to maximize the usefulness and performance of this product.

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## Conventions

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This section describes the conventions used throughout this User Guide. In this guide, you will find that some terms are used interchangeably:

- Paper is synonymous with media.
- Document is synonymous with original.
- Document Centre is synonymous with the machine.

### Orientation

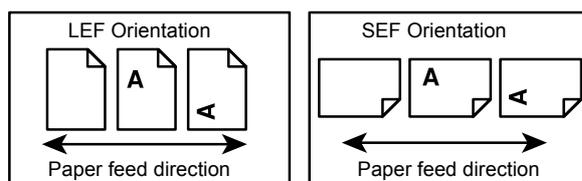
Orientation is used to mean the direction of images on the page. When the image is upright, the paper (or other media) can be either long edge feed or short edge feed.

#### Long Edge Feed (LEF)

When loading documents long edge feed into the document feeder, load with one of the long edges facing into the document feeder. The short edges appear at the top and bottom of the paper, facing the front and back of the document feeder. When loading paper long edge feed into a paper tray, place the paper with one of the long edges on the left-hand side and one of the short edges toward the front of the tray.

#### Short Edge Feed (SEF)

When loading documents short edge feed into the document feeder, load with one of the short edges facing into the document feeder. The long edges appear on the top and bottom of the paper, facing the front and back of the document feeder. When loading paper short edge feed into a paper tray, place the paper with one of the short edges on the left-hand side and one of the long edges toward the front of the tray.



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## Text in [Square Brackets]

Indicate that these are names of the screens, tabs, buttons, features and option categories on the screen. They are also used when referring to file and folder names on a computer.

For example:

- Click [Browse] to specify a folder on the CD-ROM.
- Click [Have Disk].

## Italic Typeface

The Italic typeface is used to indicate references to other sections and chapters.

For example:

- See *Print Driver Properties on page 10* to configure the printer.

## Notes

Notes are statements that provide additional information.

For example:

**NOTE:** You can restore defaults by clicking [Restore Defaults].

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## Related Information Sources

The following additional sources of information are available for the machine.

- Quick Reference Guide
- User Guide
- Network Administrator Guide
- The Online Help systems (Print Drivers and CentreWare Utilities)
- CentreWare Utilities Documentation (HTML)

**NOTE:** Please note that the screens shown in this user guide apply to a fully configured machine and therefore may not exactly represent the configuration being used.

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## Prerequisite Knowledge

This guide assumes that the operator has a basic knowledge of the operating environment of the personal computer in use, networking environments, and how to operate a personal computer.

For details about the environment of the personal computer in use, basic knowledge of networking environments, and how to operate a personal computer, refer to the user guides provided with the personal computer, operating system, and network system.

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## Organization of This Guide

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This guide consists of the following chapters.

### **Chapter 1 Checking the Adobe Postscript 3 Kit Contents**

This chapter describes the contents of the package for verification.

### **Chapter 2 Operation with Windows 95/98/Me**

This chapter describes the procedure for installing the printer driver under Windows 95, Windows 98, and Windows Me, and explains required settings, and settings you can make when printing.

### **Chapter 3 Operation with Windows NT 4.0**

This chapter describes the procedure for installing the printer driver under Windows NT 4.0, and explains required settings, and settings you can make when printing.

### **Chapter 4 Operation with Windows 2000, Windows XP and Windows Server 2003**

This chapter describes the procedure for installing the printer driver under Windows 2000, Windows XP and Windows Server 2003, and explains required settings, and settings you can make when printing.

### **Chapter 5 Operation on Macintosh Computers**

This chapter describes the procedure for installing the printer driver and utility software on the Macintosh, and explains required settings, and settings you can make when printing.

### **Chapter 6 Barcode Settings**

This chapter describes the types of compatible barcodes, designated character sets for barcodes, sizes of printed barcodes, and other settings.

### **Chapter 7 Appendix**

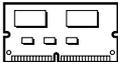
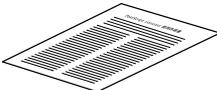
This appendix describes cautions and limitations.



# 1 Checking the Adobe PostScript® 3 Kit Contents

The devices and components of the kit are described below.

If any of the following are missing, contact our Customer Support Center.

		<b>License Agreement</b>
<b>PostScript Program ROM</b> This ROM makes PostScript printing possible with the printer.		<b>PostScript Logo Seal</b> This seal accompanies printers compatible with PostScript.
	<b>PostScript Driver Library CD-ROM</b> Includes the PostScript drivers and screen fonts.	



## 2 Operation with Windows 95/98/Me

The following information can be found in this chapter:

- About the Software
  - Bundled Software
  - Hardware/Software Requirements
- Installing the Adobe PostScript Printer Driver
  - Installation Procedure
- Printer Driver Properties
  - Configuration Tab Settings
  - Options Tab Settings
  - Output Settings Tab Settings
- How to Use Help

### About the Software

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This section describes the software for Windows 95, Windows 98, and Windows Me included on the PostScript Driver Library CD-ROM.

### Bundled Software

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The following items are included on the enclosed CD-ROM.

**Adobe PostScript Printer Driver (ver. 4.5.3) and PPD files** - Adobe PostScript driver and PPD files (for Windows 95/98/Me).

**ATM (Adobe Type Manager) (ver. 4.1)** - Helps you to install typefaces and activate and manage your fonts.

**Adobe Screen Fonts (TrueType/PostScript)** - Includes 136 screen fonts (19 TrueType fonts and 117 PostScript fonts), which are compatible with the printer fonts. ATM is used to install the PostScript screen fonts. When using these fonts to print, it is recommended that you use the Adobe PostScript (4.5.3) printer driver.

**Adobe Reader** - Allows you to view and print PDF files on all major computing platforms.

## Hardware/Software Requirements

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The minimum system requirements for the Windows 95/Windows 98/Windows Me printer driver are described below.

### Computer System

Personal computer in which the Windows 95/Windows 98/Windows Me OS can operate.

### Basic Software

Windows 95, Windows 98 or Windows Me

## Installing the Adobe PostScript Printer Driver

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Install Adobe PostScript 4.5.3 printer driver onto Windows 95, Windows 98 or Windows Me by following the procedure below.

This section describes how to install the printer driver for Windows 98, as an example.

It is possible to cancel installation of the printer driver by clicking [Cancel] in the dialog box displayed during installation. You can also click [Back] to ignore the settings in that dialog box and return to the previous dialog box.

## Installation Procedure

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1. Start Windows 98.
2. On the Start menu, point to Settings and click [Printers].
3. In the Printers window, double-click [Add Printer].
4. Click [Next].
5. Select how the printer is connected to the computer and click [Next].  
Select [Local printer] when the printer is connected directly to the computer.  
Otherwise, select [Network printer]. The following is an example of a local printer.

**NOTE:** When you select [Network printer], specify the path to the printer in the network path or queue name box.

6. Insert the PostScript Driver Library CD-ROM in your CD-ROM drive.
7. Click [Have Disk].
8. Enter "Drive Name:\English\DC3005\win9x\_Me" in the "Copy manufacturer's files from:" box and click [OK].  
In this guide, we have used "E:" as the CD-ROM drive. If you are using a different drive for the CD-ROM, specify accordingly.

**NOTE:** Click [Browse] to specify a folder on the CD-ROM.

9. Select your printer model from the Printers list and click [Next].

10. Select the port that you are using and click [Next].
11. Type a name for the printer and specify whether you want to use the printer as the default printer, then click [Next].
12. Specify whether to print a test page, then click [Finish].  
Installation begins.
13. Read the End User License Agreement and click [Agree].  
If you click [Disagree], see *If you click Disagree in the License Agreement on page 15* for details.
14. Confirm that a printer has been added in the Printers window.  
This completes installation of the printer driver. Remove the CD-ROM from the drive.  
See *Printer Driver Properties on page 15* to configure the printer.  
Store your CD-ROM in a safe place.

### **If you click Disagree in the License Agreement**

Click [No] to return to the operation and continue.

Click [Yes] to cancel the installation. A printer is added to the Printers window, but the printer driver is not installed properly.

When you right-click the printer and click [Properties] from the menu, the Re-installation tab is added to the printer driver properties dialog box. Follow the directions on that tab.

When you finish reinstalling the printer driver, see *Printer Driver Properties on page 15* to set up the printer.

## **Printer Driver Properties**

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This section describes printer specific settings included in the printer driver properties.

- Configuration Tab
- Options Tab
- Output Settings Tab

**NOTE:** You can also refer to Help for explanations of these settings. See *How to Use Help on page 22* for details about how to use Help.

To view the printer driver properties, select the printer icon in the Printers window, then click [Properties] on the File menu.

## Configuration Tab Settings

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This section describes the settings of the Configuration tab.

Select the function that you want to set in the Features List and change the settings in the Change box below.



**NOTE:** You can restore defaults by clicking [Defaults].

**NOTE:** The settings that can be selected vary depending on which options have been installed. Change these settings only after confirming that the option settings are complete. See *Options Tab Settings on page 19*.

## Settings

**Collated** - Selects whether to collate a printed sets from a multiple-page file.

**Image Quality** - Specifies the print quality of the document. Select [Standard] if you are not concerned about quality but want to print quickly. Select [High Resolution] to print fine lines.

**Halftone** - Specifies the type of halftone used. Available selections are: [Type1 - Fine Dots], [Type1 - Thick Dots], [Type3 - Fine Dots], and [Type3 - Thick Dots]. If [Type3 - Fine Dots] or [Type3 - Thick Dots] is selected, the halftone dots will be the same as the PCL6 print driver.

**Image Enhancement** - Specifies whether to use the Image Enhancement function. Selecting [On] smoothes out boundaries when printing. This reduces jagged edges by artificially increasing the resolution of the image. When printing a bitmapped image

composed of coarse halftone dots, smooth color gradation is impossible in certain situations. In this case, select [Off].

**Stapling** - Specifies whether to staple printed documents and the position of the staple. You can staple 2 to 50 sheets of 80 g/m<sup>2</sup> or lighter paper.

**NOTE:** You cannot use staples when anything other than Finisher Tray is selected for [Output bin] in the Paper tab.

**Offset** - The position of individual jobs or sets of copies are shifted to either side of the output tray to enable easy separation.

**Feed Orientation** - Specifies the paper orientation when printing from the bypass tray. When feeding the short edge of the paper first, select [Landscape]. When feeding the long edge of the paper, select [Portrait].

**Separator Paper Supply**- Specifies the paper tray that transparency separators are to be fed from. When [Auto Paper Select] is selected, the tray set on the machine is used as the feed destination.

**Print on Separators** -Specifies whether to insert a blank sheet or a printed sheet as a separator.

**Print Mixed Sized Originals** - Specifies whether you are printing mixed sized originals for 2 Sided Print.

**Booklet Creation** - Specify the binding and finishing methods for Booklet Creation.

**NOTE:** Booklet Creation feature will only be available if [AutoSelect Tray] or [Auto Paper Select (Type)] is selected in [Paper Source] on the [Paper] tab.

**Booklet Output Size** - Specify the output size for booklet creation printing.

**NOTE:** When [Booklet Creation] is selected, only [AutoSelect Tray] and [Auto Paper Select (Type)] are available in [Paper Source] on the [Paper] tab. Conversely, [Booklet Creation] feature is only available when [AutoSelect Tray] or [Auto Paper Select (Type)] is selected in [Paper Source].

**Booklet Divide Output** - Specify the number of sheets in each subset when printing booklet in subsets. Select from [Off], [Each Sheet], and [2 Sheets] to [20 Sheets].

**Double Print** - Enable this feature to repeatedly print one page twice on a paper with a bigger size than the original. You can use Double Print feature if you have set the zoom ratio to 100% with the following paper size and output size settings.

Paper Size	Output Size
A4	A3
A5	A4
B5	B4
Letter (8.5 x 11")	Tabloid (11 x 17")

**Draft Mode** - Specifies whether to reduce the amount of toner used when printing drafts. When [On] is selected, the overall printed color becomes lighter. This is best for printing documents when high print quality is not necessary.

**Substitute Tray** - Specifies what action to take when the paper for the print size is not loaded in the machine.

**Printer Default**- Use the printer settings. The settings can be confirmed on the control panel.

**Display Message** - Displays paper supply messages on the control panel. Printing is impossible until paper is supplied.

**Use Closest Size (Reduce to Fit)** - Selects the closest paper size and automatically reduces the image size as necessary.

**Use Closest Size (100%)** - Selects the closest paper size and prints the same size as the image.

**Use Larger Size (Reduce to Fit)** - Selects paper larger than the original and automatically reduces the image size as necessary.

**Use Larger Size (100%)** - Selects paper larger than the original and prints the same size as the image.

**Select Tray 5 (Bypass)** - Feeds from bypass tray.

**Front Cover** - Specifies the paper tray that the front cover stock is to be fed from.

**Back Cover** - Specifies the paper tray that the back cover stock is to be fed from.

**Skip Blank Pages** - Specifies whether to skip blank pages when printing documents that contain blank pages.

**Custom Paper Auto Orientation** - Specifies whether to correct the orientation of the custom paper.

**Available Printer Memory** - Enter the amount of usable printer memory (in KB) in the Edit box. Usually, it is not necessary to change this.

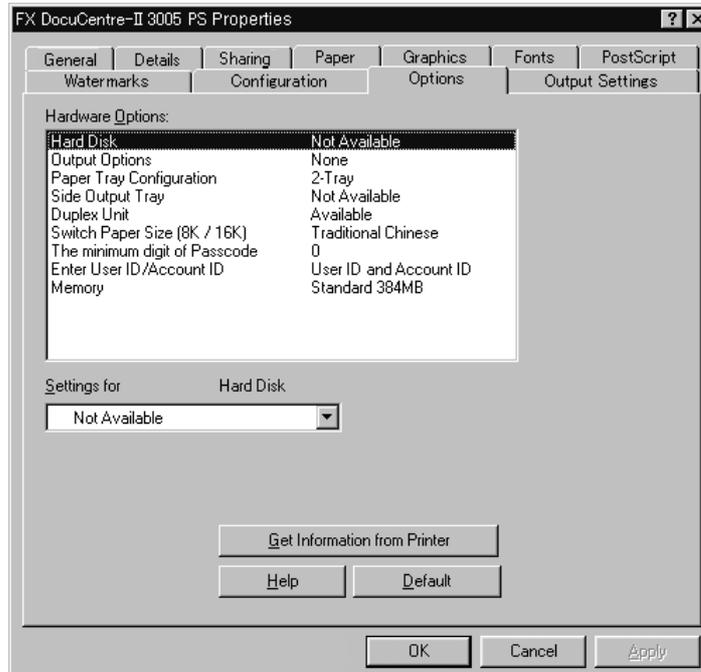
**Available Font Cache** - Enter the amount of memory available for the font cache (in KB) in the Edit box. Usually, it is not necessary to change this.

**Account Mode** - Specifies if all users or only System Administrators can change authentication related settings.

## Options Tab Settings

This section describes the settings in the Options tab.

Select the items in Hardware Options and change them in the Change box below. To use this function, it is necessary to make appropriate settings in this tab.



**NOTE:** You can restore defaults by clicking [Default].

## Settings

**Hard Disk** - Specifies whether the HDD Extension Kit (optional) is installed. If it is, set to [Available].

**Output Options** - Specifies whether the inner output tray or finisher output unit is installed.

**Paper Tray Configuration** - Specifies the paper tray type installed on the machine.

**Side Output Tray** - Specifies whether the side output tray is installed. If it is, set to [Available].

**Duplex Unit** - Specifies whether the Duplex Kit (optional) is installed on the machine.

**Switch Paper Size [8K / 16K]** - Indicate your language preference to enable the set of 8K and 16K paper sizes that best suits your needs. If you select [Traditional Chinese], the dimensions of the 8K and 16K paper sizes are 267 x 388 mm and 194 x 267 mm respectively. If you select [Simplified Chinese], the dimensions will be 270 x 390 mm and 195x270mm respectively.

**NOTE:** If [AB Series (8K / 16K)] is not selected in [Paper Size Settings], both sets of 8K and 16K paper sizes will not be available despite the setting specified here.

**The minimum digit of Passcode** - Enter the minimum number of digits required for the passcode of [Billing ID] and [Secured Print].

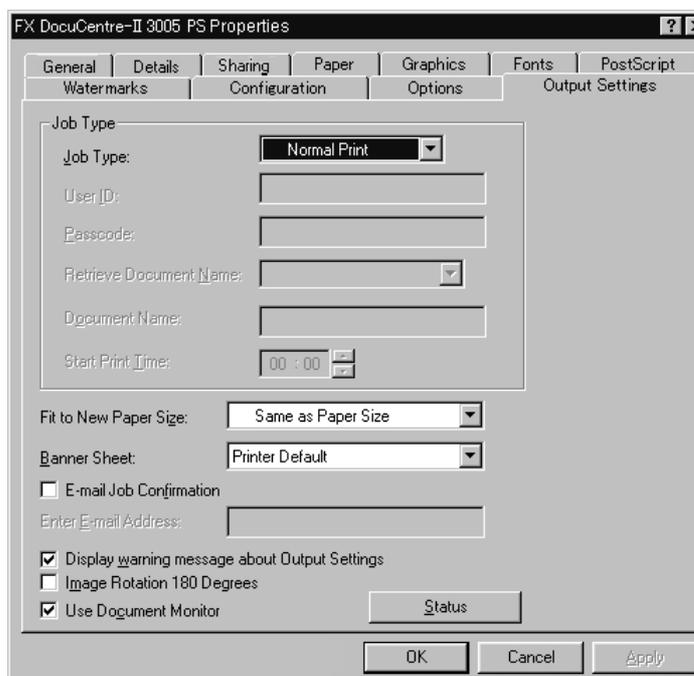
**Enter User ID/Account ID** - Specifies the type of ID to enter for authentication. Select [User ID and Account ID] to enable both [User ID] and [Account ID] to be available for entry. If either [User ID only] or [Account ID only] is selected, the ID that is not selected will be dimmed out. If [No need to enter], [Prompt User for Settings] in the [Detailed User Settings] dialog box, and [User ID/Account ID] for [User details] in the [Configuration] tab are selected, job will be sent without showing the pop-up dialog box.

**Memory** - Specifies the amount of printer memory.

## Output Settings Tab Settings

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This section describes the settings in the Output Settings tab.



**NOTE:** You can restore defaults by clicking [Defaults].

### Job Type

You can specify the print function for Secure Print, Sample Set, and Delayed Print.

**Normal Print** - Select when you do not want to output secure prints, a sample set, or delayed prints.

**Secure Print** - Holds print jobs in the printer until you request on the printer's control panel to print them.

**Sample Set** - Outputs only one copy set when multiple copies are specified. If the copy set has no problem, you can request on the printer's control panel to print the remaining sets.

**NOTE:** Sample Set is referred to as "Sample Print" on the printer's control panel.

**NOTE:** The Collated setting must be selected in the Page Setup tab, under the application's File menu, when using Job Type.

**Delayed Print** - Temporarily stores print jobs in the printer, and then prints them at the scheduled time.

See the On-line Help for details on the operation of the printer.

**User ID** - Enter a user ID for Secure Print or Sample Set. The user ID must be up to 24 characters.

**Passcode** - Enter a passcode for the Secure Print user ID. The passcode must be up to 12 digits and will be displayed as asterisks (\*).

**Retrieve Document Name**- In Secure Print, Sample Set, and Delayed Print, select the method to retrieve the name of the documents stored in the printer. Select [Use Existing Name] or [Enter Document Name]. If [Auto Retrieve] is selected, the document name will be obtained from the application that sends the print command. No manual entry is allowed. Document names that have exceeded 24 characters will be truncated. If you have selected [Enter Document Name], enter a name in the [Document Name].

**Document Name** - This item is used when [Enter Document Name] is selected in [Document Name]. Enter the name of the document stored in the printer. The name entered should be within 24 characters.

**Start Print Time** - Specifies the time that a Delayed Print job will be printed. Place the cursor in the hour or minute box and press the up or down triangle to specify the start time. You can also set the time by entering the time directly into the boxes. The default setting is 00:00.

## Settings

**Fit to New Paper Size** - Selects the size of the paper used for output. The output is automatically enlarged or reduced, depending on the paper size selected here and the paper size selected in the Paper tab.

For example, when you select [B5] in Paper Size on the Paper tab, and select [A4] as the new size, the output is automatically enlarged and printed.

When you select [Same as Paper Size], the job is printed based on the Paper Size selected in the application.

**Banner Sheet** - Specifies whether to add a banner sheet to printed output. When [Printer Default] is selected, the printer settings are used. When [Print Start Page] is selected, outputs the banner sheet using the start-sheet.

**NOTE:** For Secure Print and Delayed Print, [Banner Sheet] is grayed out and not available.

**E-mail Job Confirmation** - Specifies whether to use the Mail Notify feature to notify the end of the print job via e-mail. Default is [Off].

**Enter E-Mail Address** - Specifies the e-mail address for the Mail Notify feature.

**Display warning message about Output Settings** - When printing, the printer driver checks whether the Output Size setting conflicts with other settings.

When this is activated, a dialog box appears if there is a conflict during printing. Check the content of the dialog box and resolve the conflicting function to continue printing.

When this is inactive, no conflict dialog box appears, but the conflicting setting is automatically resolved and printing continues.

**Image Rotation 180 Degrees** - Set the checkbox to rotate the prints by 180°. Default is [Off].

**Use Document Monitor** - Specifies whether to use the CentreWare EasyOperator Document Monitor.

**NOTE:** [Use Document Monitor] is displayed only when Document Monitor is installed on your computer.

## How to Use Help

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The following describes how to use Help.

1. Click  and a ? mark appears next to the pointer. You can then click items for which you need explanations, opening a pop-up window that contains relevant information. Click inside the pop-up window to close it.
2. Click [Help], an explanation of the current tab appears as Help information.

## 3 Operation with Windows NT 4.0

The following information can be found in this chapter:

- About the Software
  - Bundled Software
  - Hardware/Software Requirements
- Installing the Adobe PostScript Printer Driver
  - Installation Procedure
- Device Options and Print Settings
  - Device Settings Tab Settings
  - Configuration Tab Settings
  - Advanced Tab Settings
  - Paper/Output Tab Settings
  - Layout Tab Settings
- How to Use Help

### About the Software

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This section describes the software for Windows NT 4.0 that is included on the PostScript Driver Library CD-ROM.

### Bundled Software

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The following items are included on the CD-ROM.

**Adobe PostScript Printer Driver (ver. 5.2.2) and PPD files** - Adobe PostScript driver and PPD files (for Windows NT 4.0).

**ATM (Adobe Type Manager) (ver. 4.1)** - Helps you to install typefaces and activate and manage your fonts.

**Adobe Screen Fonts (TrueType/PostScript)** - Includes 136 screen fonts (19 TrueType fonts and 117 PostScript fonts), which are compatible with the printer fonts. ATM is used to install the PostScript screen fonts. When using these fonts to print, it is recommended that you use the Adobe PostScript (5.2.2) printer driver.

**Adobe Reader** - Allows you to view and print PDF files on all major computing platforms.

## Hardware/Software Requirements

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The minimum system requirements for the Windows NT 4.0 printer driver are described below.

### Computer System

Personal computer in which the Windows NT 4.0 OS can operate.

### Basic Software

Windows NT Workstation 4.0/Windows NT Server 4.0 (Service Pack 6a or later)

## Installing the Adobe PostScript Printer Driver

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Install the Adobe PostScript 5.2.2 printer driver onto Windows NT by following the procedure below.

It is possible to cancel installation of the printer driver by clicking [Cancel] in the dialog box displayed during installation. You can also click [Back] to delete the settings in that dialog box and return to the previous dialog box.

## Installation Procedure

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1. Start Windows NT 4.0.

**NOTE:** Log on as a Power User group member or an Administrator. Refer to the Windows NT 4.0 documentation for details about the Power User group.

2. On the Start menu, point to Settings and click [Printers].
3. In the Printer window, double-click [Add Printer].
4. Select how the printer is connected to the computer and click [Next]. Select [My Computer] if the printer is connected directly to the computer or to the network in the TCP/IP(LPD) environment. Select [Network printer server] in other cases. The following is an example of a local printer.

**NOTE:** Specify the target printer in the Connect to Printer dialog box if you selected [Network printer server].

5. Select the port you are using and click [Next].
6. Insert the PostScript Driver Library CD-ROM in the CD-ROM drive.
7. Click [Have Disk].
8. Enter "Drive Name:\English\DC3005\WinNT40" in the "Copy manufacturer's files from:" box and click [OK].  
In this guide, we have used "E:" as the CD-ROM drive. If you are using a different drive for the CD-ROM, specify accordingly.

**NOTE:** Click [Browse] to specify a folder on the CD-ROM.

9. Select your printer model from the Printers list and click [Next].
10. Enter the printer name, specify if you want to use the printer as the default printer, and click [Next].
11. Select [Not shared] and click [Next].

We recommend that you install the driver on each computer with the procedure appropriate to the Operating System.
12. Specify whether to print a test page, then click [Finish].

Installation begins.
13. Read the End User License Agreement and click [Agree].

When you click [Disagree], see *If you click Disagree in the License Agreement on page 25* for details.
14. Confirm that the printer has been added in the Printers window.

This completes installation of the printer driver. Remove the CD-ROM from the drive. See *Device Options and Print Settings on page 25* to configure the printer. Store your CD-ROM in a safe place.

### **If you click Disagree in the License Agreement**

Click [No] to return to step 13 and continue the operation.

Click [Yes] to cancel the installation. A printer is added in the Printers window, but the printer driver is not installed properly.

Select the printer and click [Properties] on the File menu. The Re-installation tab is added to the printer driver properties dialog box. Follow the directions on that tab.

When you finish reinstalling, see *Device Options and Print Settings on page 25* to set up the printer.

## **Device Options and Print Settings**

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This section describes printer specific settings for printer driver properties and document presets.

- Installable Options in the Device Settings Tab
- Configuration Tab
- Printer Specific Sections in the Advanced Tab
- Paper/Output Tab
- Layout Tab

**NOTE:** You can also refer to Help for explanations of these settings. See *How to Use Help on page 36*.

To view the Device Settings or Configuration tabs, select the printer icon in the Printers window, then click Properties on the File menu.

To view the Advanced, Paper/Output, or Layout tab, select the printer icon in the Printers window, then click Document Defaults on the File menu.

## Device Settings Tab Settings

---

This describes Installable Options in the Device Settings tab. To print correctly, it is necessary to make appropriate settings in this tab.

Select the items in Installable Options and change the settings in the Change Setting box at the bottom of the tab.



## Settings

**Hard Disk** - Specifies whether the Hard Disk (optional) is installed. If it is, set to [Available].

**Output Options** - Specifies whether the inner output tray or finisher output unit is installed.

**Paper Tray Configuration** - Specifies the paper tray type installed on the machine.

**Side Output Tray** - Specifies whether the side output tray is installed. If it is, set to [Available].

**Duplex Unit** - Specifies whether the Duplex Kit (optional) is installed on the machine.

**Paper Size Settings** - Specifies the paper size group for different areas to enable the selection of paper size common to that location.

**Switch Paper Size (8K / 16K)** - Indicate your language preference to enable the set of 8K and 16K paper sizes that best suits your needs. If you select [Traditional Chinese],

the dimensions of the 8K and 16K paper sizes are 267 x 388 mm and 194 x 267 mm respectively. If you select [Simplified Chinese], the dimensions will be 270 x 390 mm and 195 x 270 mm respectively.

**NOTE:** If [AB Series (8K/16K)] is not selected in [Paper Size Settings], both sets of 8K and 16K paper sizes will not be available despite the setting specified here.

**Fax Module** - Specifies whether the Fax Kit (optional) is installed. If it is, set to [Available].

**NOTE:** The Direct Fax feature is not available for Windows NT 4.0.

**Phonebook Expansion** - Specifies whether the Address Book Extension Kit (optional) is installed. If it is, set to [Available]. Using this kit allows you to increase the number of registered addresses.

**NOTE:** The Direct Fax feature is not available for Windows NT 4.0.

**Memory** - Specifies the amount of printer memory.

**The minimum digit of Passcode** - Enter the minimum number of digits required for the passcode of [Billing ID] and [Secured Print].

**Enter User ID / Account ID** - Specifies the type of ID to enter for authentication. Select [User ID and Account ID] to enable both [User ID] and [Account ID] to be available for entry. If either [User ID only] or [Account ID only] is selected, the ID that is not selected will be dimmed out. If [No need to enter], [Prompt User for Settings] in the [Detailed User Settings] dialog box, and [User ID/Account ID] for [User details] in the [Configuration] tab are selected, job will be sent without showing the pop-up dialog box.

## Configuration Tab Settings

---

This section describes the settings of the Configuration tab.



**NOTE:** You can restore defaults by clicking [Defaults].

### Settings

**Enable Account Setup** - Select this check box to enable job accounting feature.

**Account Mode** - Specifies if all users or only System Administrators can change authentication related settings.

**User details** - Specifies which ID to be entered. If [All] is selected, [User ID], [Account ID], and [Billing ID] will be available for selection on the [Detailed User Settings] dialog box and the [Enter User Details] dialog box. If [User ID/Account ID] is selected, only [User ID], [Account ID], and [Passcode] will be available. If [Billing ID] is selected, only [Billing ID] and [Passcode] will be available.

**NOTE:** This feature is not available if the [Enable Account Setup] check box is not selected or if the [Use Account Management Tool] check box is selected.

**NOTE:** In conjunction with the [Enter User ID/Account ID] setting in the [Device Settings] tab, you can restrict the type of authentication information that a user can enter.

**Detailed User Settings** - Sets the authentication information.

**Use Default User Settings** - The values set in this feature are used as the authentication parameters.

- **Specify User ID** - Select how to specify User ID.

- **User ID** - Enter a User ID.
- **Passcode** - Enter the Passcode for the User ID.
- **Account ID** - Enter an Account ID.
- **Billing ID** - Enter a User ID for Charge Print.
- **Passcode** - Enter the Passcode for the Billing ID.

**Prompt User for Settings** - Select this feature to display the [Enter User Details] dialog-box each time you start printing. The user is then required to enter authentication information such as their User ID.

- **Display Previous User Details** - Check the box to store the user details entered in the [Enter User Details] dialog-box, and display the details in the box as a default next time.
- **Hide User ID (\*\*\*)** - Check the box to specify whether a user ID is to be displayed or hidden when it is entered.
- **Hide Account ID (\*\*\*)** - Check the box to specify whether an account ID is to be displayed or hidden when it is entered.

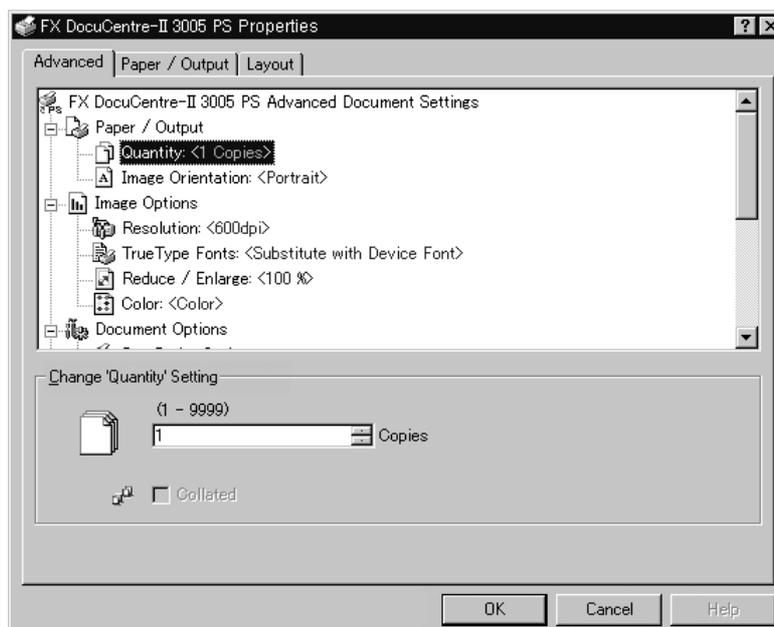
**High Speed Printing** - Set this feature to make improvements in print speed, when using an application that generates PostScript directly.

**Get Information from Printer** - Clicking [Get Information from Printer] when the machine is used as a network printer verifies the printer option installation state using the print port to which the printer is connected, and reflects this in the Hardware Options setting.

## Advanced Tab Settings

---

This section describes the settings in the Advanced tab. Select the items in the Advanced tab and change the settings in the Change Setting box at the bottom of the tab.



**NOTE:** The settings that can be selected vary depending on which options have been installed. Change these settings only after confirming that the option settings are complete. See *Device Settings Tab Settings on page 26*.

## Settings

**Quantity** - Specifies the number of output copies.

**Image Orientation** - Specifies the image orientation, portrait or landscape, for stapling mixed sized originals.

**Resolution** - Select [600dpi] (default) or [1200dpi] as the resolution.

**TrueType Fonts** - Specifies the font handling for documents containing TrueType fonts.

**Substitute with Device Font** - Substitute TrueType fonts with fonts resident on the machine.

**Download as Soffont** - Download the font to the machine as a soffont.

**Reduce/Enlarge** - Specifies the reduction/enlargement ratio as a percentage between 25 and 400%.

**Color** - Ignore this setting. This machine supports black and white printing only.

**PostScript Output Format** - Specifies the default PostScript file output format for when saving to a file.

**Optimize for Speed** - For faster printer processing.

**Optimize for Portability** - Reduce portability errors.

**Encapsulated PostScript** - Outputs to an encapsulated PostScript file.

**Archive Format** - Outputs to an archive format file.

**TrueType Font Download Method** - Specifies the font handling for documents containing TrueType fonts when saving to a file.

**Automatic** - Automatic font handling.

**Outline** - Includes as vector outlines.

**Bitmap** - Includes as bitmap images.

**Native TrueType** - Includes TrueType fonts in their native format.

**PostScript Language Level** - Specifies the PostScript language level for compatibility with other devices (2 or 3) when saving to a file.

**Print PostScript Error Message** - Specifies whether to report PostScript errors when saving to a file.

**Mirror Image** - Specifies whether to create mirror images for left-hand and right-hand pages when saving to a file.

**Negative Image** - Specifies whether to invert the black and white colors in the output. Select [Yes] to invert black and white colors for negative image printing.

**Feed Orientation** - Specifies the paper orientation when printing from the bypass tray. When feeding the short edge of the paper first, select [Landscape]. When feeding the long edge of the paper, select [Portrait].

**Offset** - The position of individual jobs or sets of copies are shifted to either side of the output tray to enable easy separation.

**Front Cover** - Specifies the paper tray that the front cover stock is to be fed from.

**Back Cover** - Specifies the paper tray that the back cover stock is to be fed from.

**Transparency Separators** - Specifies the separators to be inserted between transparencies.

**Separator Paper Supply** - Specifies the paper tray that transparency separators are to be fed from. When [Auto Paper Select] is selected, the tray set on the machine is used as the feed destination.

**Print on Separators** - Specifies whether to insert a blank sheet or a printed sheet as a separator.

**Paper Type (Separators)** - Specifies a paper type for the transparency divider.

**Image Quality** - Specifies the print quality of the document. Select [Standard] if you are not concerned about quality but want to print quickly. Select [High Resolution] to print fine lines.

**Halftone** - Specifies the type of halftone used. Available selections are: [Type 1 - Fine Dots], [Type 1 - Thick Dots], [Type 3- Fine Dots], and [Type 3 - Thick Dots]. If [Type 3-

Fine Dots] or [Type 3 - Thick Dots] is selected, the halftone dots will be the same as PCL6 print driver.

**Image Enhancement** - Specifies whether to use the Image Enhancement function. Selecting [On] smoothes out boundaries when printing. This reduces jagged edges by artificially increasing the resolution of the image. When printing a bitmapped image composed of coarse halftone dots, smooth color gradation is impossible in certain situations. In this case, select [Off].

**Image Rotation 180 Degrees** - Set the checkbox to rotate the prints by 180°. Default is [No Rotation].

**Double Print** - Enable this feature to repeatedly print one page twice on a paper with a bigger size than the original. You can use Double Print feature if you have set the zoom ratio to 100% with the following paper size and output size settings.

Paper Size	Output Size
A4	A3
A5	A4
B5	B4
Letter (8.5 x 11")	Tabloid (11 x 17")

**Skip Blank Pages** - Specifies whether to skip blank pages when printing documents that contain blank pages.

**Draft Mode** - Specifies whether to reduce the amount of toner used when printing drafts. When [On] is selected, the overall printed color becomes lighter. This is best for printing documents when high print quality is not necessary.

**Banner Sheet** - Specifies whether to add a banner sheet to the printed output. When [Printer Default] is selected, the printer settings are used. When [Print Start Page] is selected, outputs the banner sheet using the start-sheet.

**NOTE:** For Secure Print and Delayed Print, [Banner Sheet] is grayed out and not available.

**E-mail Job Confirmation** - Specifies whether to use the Mail Notify feature to notify the end of the print job via e-mail. Default is [Off].

**Enter E-Mail Address** - Specifies the e-mail address for the Mail Notify feature.

**Substitute Tray** - Specifies what action to take when the paper for the print size is not loaded in the machine.

**Printer Default** - Uses the printer settings. The settings can be confirmed on the control panel.

**Display Message** - Displays paper supply messages on the control panel. Printing is impossible until paper is supplied.

**Use Closest Size (Reduce to Fit)** - Selects the closest paper size and automatically reduces the image size as necessary.

**Use Closest Size (100%)** - Selects the closest paper size and prints the same size as the image.

**Use Larger Size (Reduce to Fit)** - Selects paper larger than the original and automatically reduces the image size as necessary.

**Use Larger Size (100%)** - Selects paper larger than the original and prints the same size as the image.

**Select Tray 5 (Bypass)** - Feeds from bypass tray.

**Custom Paper Auto Orientation** - Specifies whether to automatically correct the paper orientation when printing to a custom paper size.

**Print Mixed Sized Originals** - Specifies whether you are printing mixed sized originals for 2 Sided Print.

**EMF Spooling** - Specifies the spool format of the print data on the hard disk.

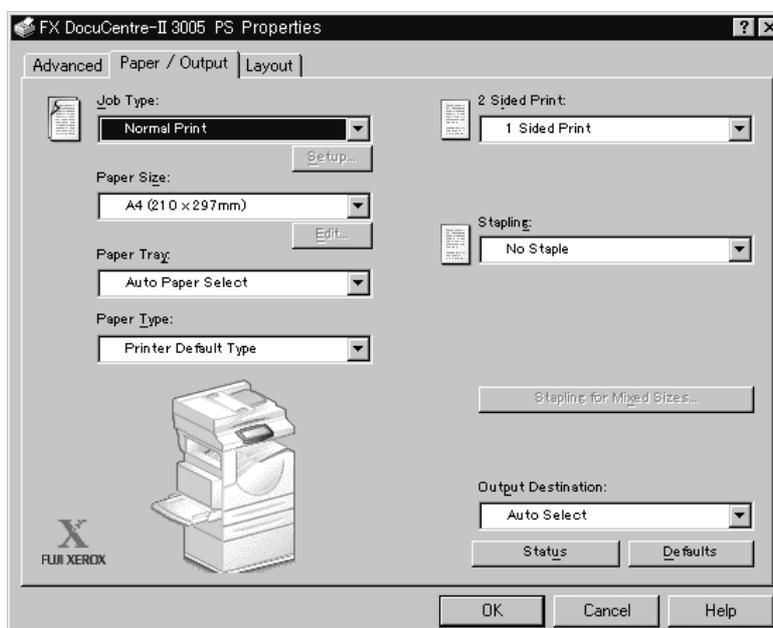
**Modify Dash / Dot Lines of Output** - When printing from Microsoft Excel application, dash or dotted lines may be printed as solid lines. By enabling this feature, you can rectify this problem and print dash or dotted lines as they are.

**Use Document Monitor** - Specifies whether to use the CentreWare EasyOperator Document Monitor.

**NOTE:** [Use Document Monitor] is displayed only when Document Monitor is installed on your computer.

## Paper/Output Tab Settings

This section describes the settings in the Paper/Output tab.



**NOTE:** You can restore defaults by clicking [Defaults].

## Job Type

You can specify the print function for Secure Print, Sample Set, and Delayed Print.

**Normal Print** - Select when you do not want to output secure prints, a sample set, or delayed prints.

**Secure Print** - Holds print jobs in the printer until you request on the printer's control panel to print them.

**Sample Set** - Outputs only one copy set when multiple copies are specified. If the copy set has no problem, you can request on the printer's control panel to print the remaining sets.

**NOTE:** Sample Set is referred to as "Sample Print" on the printer's control panel.

**Delayed Print** - Temporarily stores print jobs in the printer, and then prints them at the scheduled time.

See the On-line Help for details on the operation of the printer.

**User ID** - Enter a user ID for Secure Print or Sample Set. The user ID must be up to 24 characters.

**Enter a 0 - 12 Digit Secure Print Passcode** - Enter a passcode for the Secure Print user ID. The passcode must be up to 12 digits and will be displayed as asterisks (\*).

**Document Name** - In Secure Print, Sample Set, and Delayed Print, select the method to retrieve the name of the documents stored in the printer. Select [Use Existing Name] or [Enter Document Name]. If [Use Existing Name] is selected, the document name will be obtained from the application that sends the print command. No manual entry is allowed. Document names that have exceeded 24 characters will be truncated. If you have selected [Enter Document Name], enter a name in the [New Document Name].

**New Document Name** - This item is used when [Enter Document Name] is selected in [Document Name]. Enter the name of the document stored in the printer. The name entered should be within 24 characters.

**Start Print Time** - Specifies the time that a Delayed Print job will be printed. Place the cursor in the hour or minute box and press the up or down triangle to specify the start time. You can also set the time by entering the time directly into the boxes. The default setting is 00:00.

## Settings

**Paper Size** - Specifies the paper size for printing.

**Paper Tray** - Specifies the paper tray for printing.

**Paper Type** - Specifies the paper type for printing.

**2 Sided Print** - Specifies whether to print on both sides of the paper. This option requires the optional Duplex unit.

**Stapling** - Specifies the stapling location and number of staples. This option requires the optional finisher unit.

**Stapling for Mixed Sizes...** - Displays the [Stapling for Mixed Sizes] dialog box. You can specify a stapling option for mixed sized documents.

**Output Destination** - Specifies the output tray.

**Status** - Displays the printer status. The printer status can be displayed under the following conditions:

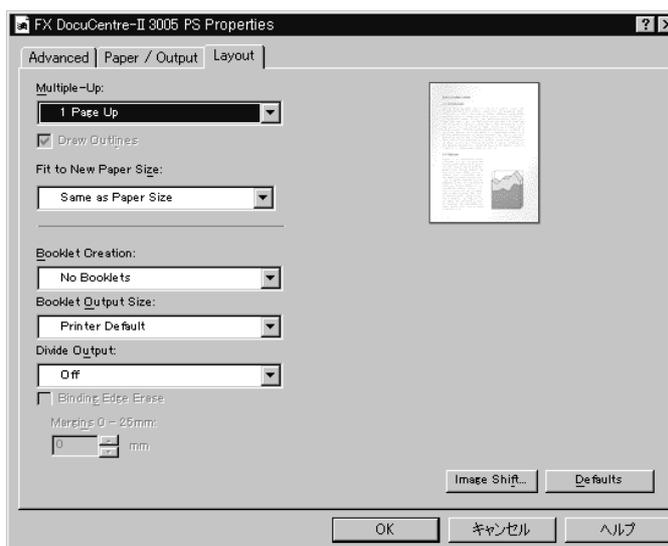
Your machine is connected by TCP/IP or IPX, and the SNMP agent is activated.

Your machine is connected to the network.

CentreWare Internet Services is activated on the machine.

## Layout Tab Settings

This section describes the settings in the Layout tab.



**NOTE:** You can restore defaults by clicking [Defaults].

## Settings

**Multiple-Up** - Prints multiple consecutive pages of a document on a single sheet of paper.

**Draw Outlines** - Draws a border around each page image printed on a single sheet of paper using the Multiple-Up feature.

**Fit to New Paper Size** - Specifies the paper size on which to print the image.

**Booklet Creation** - Specifies the binding and finishing methods for Booklet Creation. You can check the result of the change in setting on the preview image at the top right of the screen.

**NOTE:** [Booklet Creation] feature will only be available if [Auto Paper Select] or [Auto Paper Select (Type)] is selected in [Paper Tray] on the [Paper / Output] tab.

**Booklet Output Size** - Specifies the output size for booklet printing.

**NOTE:** When [Booklet Creation] is selected, only [Auto Paper Select] or [Auto Paper Select (Type)] are available in [Paper Tray] on the [Paper / Output] tab. Conversely, [Booklet Creation] feature is only available when [Auto Paper Select] or [Auto Paper Select (Type)] is selected in [Paper Tray].

**Divide Output** - You can print the booklet in multiple subsets. Simply specify the maximum number of sheets per subset to print booklet in subsets. You can select [Off], [Each Sheet], or 2-20 sheets for each subset.

**Binding Edge Erase** - Select this check box to add a gutter at the center of the paper so that text printed at the fold will not be lost or become illegible.

**Margins 0 - 25 mm** - Specify any value from 0 to 25 mm in units of 1 mm. The specified gutter margin will be added to the middle of the page.

**Image Shift** - Specifies the image shift position for a binding margin. Specify the edge position and the extent of the image shift on [Side 1] of the paper. You can also specify a margin for [Side 2] for 2 sided printing along the same edge of the paper.

## How to Use Help

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The following describes how to use Help.

1. Click  and a ? mark appears next to the pointer. You can then click items for which you need explanations, opening a pop-up window that contains relevant information. Click inside the pop-up window to close it.
2. Click [Help], an explanation of the current tab appears as Help information.

# 4 Operation with Windows 2000, Windows XP and Windows Server 2003

The following information can be found in this chapter:

- About the Software
  - Bundled Software
  - Hardware/Software Requirements
- Installing the Printer Driver
  - Installation Procedure
- Device Options and Print Settings
  - Device Settings Tab Settings
  - Configuration Tab Settings
  - Advanced Tab Settings
  - Paper/Output Tab Settings
  - Layout Tab Settings
  - Fax Tab Settings
- How to Use Help

## About the Software

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This section describes the software for Windows 2000, Windows XP and Windows Server 2003 included with the PostScript Driver Library CD-ROM.

## Bundled Software

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The following items are included on the CD-ROM and are necessary when using the printer on Windows 2000, Windows XP and Windows Server 2003.

**Microsoft PostScript 5.2 Driver and PPD files** - Microsoft PostScript 5 Driver and PPD files (for Windows 2000, Windows XP and Windows Server 2003).

**Adobe Reader** - Allows you to view and print PDF files on all major computing platforms.

## Hardware/Software Requirements

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The minimum system requirements for the Windows 2000, Windows XP and Windows Server 2003 printer driver are described below.

### Computer System

Personal computer in which the Windows 2000/Windows XP/Windows Server 2003 OS can operate.

### Basic Software

- Windows 2000 Professional
- Windows 2000 Server
- Windows 2000 Advanced Server
- Windows XP Professional Edition
- Windows XP Home Edition
- Windows Server 2003

## Installing the Printer Driver

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Install MS PostScript 5 printer driver onto Windows 2000, Windows XP and Windows Server 2003 by following the procedure below.

This section described how to install the printer driver for Windows 2000, as an example.

**NOTE:** It is possible to cancel installation of the printer driver by clicking [Cancel] in the dialog box displayed during installation. You can also click [Back] to delete the settings in that dialog box and return to the previous dialog box.

**NOTE:** If you want to set up Port 9100, refer to the System Administration Guide.

### Installation Procedure

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1. Start Windows 2000.

**NOTE:** Log on as a Power User group member or an Administrator. Refer to the Windows 2000 documentation for details about the Power User group.

2. On the Start menu, point to Settings and click [Printers].

3. In the Printers window, double-click [Add Printer].

4. Click [Next].

5. Select how the printer is connected to the computer and click [Next].

Select [Local printer] if the printer is connected directly to the computer or to the

network in the TCP/IP(LPD) environment. Otherwise, select [Network printer]. The following is an example of a Local printer.

**NOTE:** When you select [Local printer], deselect the “Automatically detect and install my Plug and Play printer” check box.

**NOTE:** Specify the target printer in the Connect to printer dialog box if you selected [Network printer].

6. Select the port you are using and click [Next].

When the printer is connected in the TCP/IP(LPD) environment:

- 1) Click [Create a new port].
- 2) Select Standard TCP/IP Port in the Type list and click [Next].
- 3) Click [Next].
- 4) Enter the IP address of the printer in Printer Name or IP Address, then click [Next].

Click [Finish] in the dialog box that will be displayed.

7. Insert the PostScript Driver Library CD-ROM in the CD-ROM drive.

8. Click [Have Disk].

9. Enter “Drive Name:\English\DC3005\Win2K\_XP” in the “Copy manufacturer’s files from:” box and click [OK].

In this guide, we have used “E:” as the CD-ROM drive. If you are using a different drive for the CD-ROM, specify accordingly.

**NOTE:** Click [Browse] to specify a folder on the CD-ROM.

10. Select your printer model from the Printers list and click [Next].

11. Enter the printer name, set whether you want to use it as the default printer, and click [Next].

12. Select [Do not share this printer] and click [Next].

We recommend that you install the driver on each computer with the procedure appropriate to the Operating System.

13. Specify whether to print a test page, then click [Next].

14. After confirming the settings displayed, click [Finish].

**NOTE:** If the dialog box “Digital Signature Not Found” appears, click [Yes] to continue the installation.

Installation begins.

15. Confirm that the printer has been added in the Printers window.

This completes the installation of the printer driver. Remove the CD-ROM from the drive.

See *Device Options and Print Settings on page 40* to configure the printer.

Store your CD-ROM in a safe place.

## Device Options and Print Settings

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This section describes printer specific settings for printer driver properties. For other items, refer to the Help.

- Installable Options in the Device Settings Tab
- Configuration Tab
- Printer Specific Sections in the Advanced Tab
- Paper/Output Tab
- Layout Tab
- Fax Tab

**NOTE:** You can also refer to Help for explanations of these settings. See *How to Use Help on page 52*.

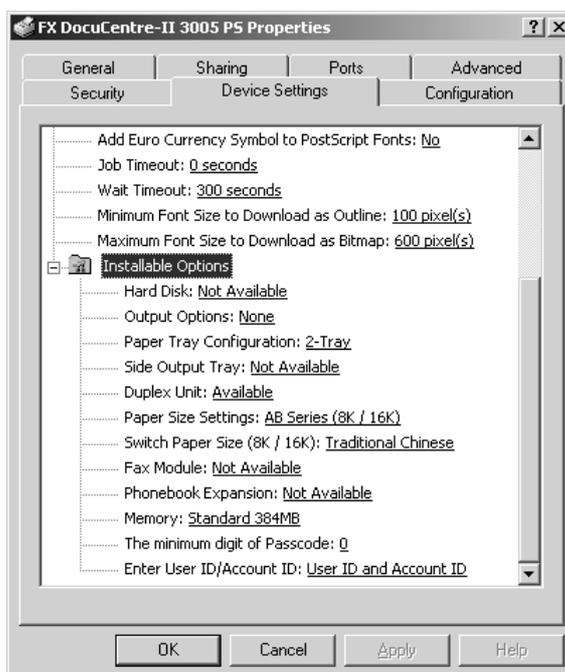
To view the Device Settings or Configuration tabs, select the printer in the Printers window, then click [Properties] on the File menu.

To view the Advanced, Paper/Output, Layout, or Fax tab, select the printer icon in the Printers window, then click Document Defaults on the File menu.

## Device Settings Tab Settings

This section describes Installable Options in the Device Settings tab. To print correctly, it is necessary to make the appropriate settings in this tab.

Select the items in Installable Options and change the settings in the menu that appears on the right.



## Settings

**Hard Disk** - Specifies whether the Hard Disk (optional) is installed. If it is, set to [Available].

**Output Options** - Specifies whether the inner output tray or finisher output unit is installed.

**Paper Tray Configuration** - Specifies the paper tray type installed on the machine.

**Side Output Tray** - Specifies whether the side output tray is installed. If it is, set to [Available].

**Duplex Unit** - Specifies whether the Duplex Kit (optional) is installed on the machine.

**Paper Size Settings** - Specifies the paper size group for different areas to enable the selection of paper size common to that location.

**Switch Paper Size (8K / 16K)** - Indicate your language preference to enable the set of 8K and 16K paper sizes that best suits your needs. If you select [Traditional Chinese], the dimensions of the 8K and 16K paper sizes are 267 x 388 mm and 194 x 267 mm respectively. If you select [Simplified Chinese], the dimensions will be 270 x 390 mm and 195 x 270 mm respectively.

**NOTE:** If [AB Series (8K/16K)] is not selected in [Paper Size Settings], both sets of 8K and 16K paper sizes will not be available despite the setting specified here.

**Fax Module** - Specifies whether the Fax Kit (optional) is installed. If it is, set to [Available].

**Phonebook Expansion** - Specifies whether the Address Book Extension Kit (optional) is installed. If it is, set to [Available]. Using this kit allows you to increase the number of registered addresses.

**Memory** - Specifies the amount of printer memory.

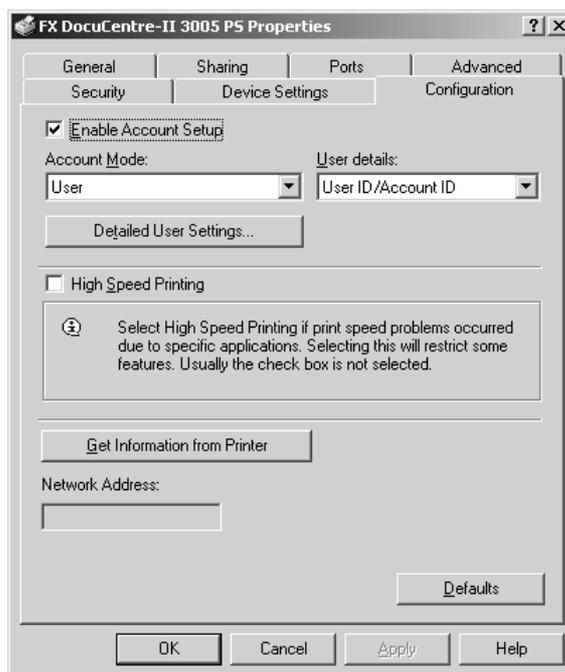
**The minimum digit of Passcode** - Enter the minimum number of digits required for the passcode of [Billing ID] and [Secured Print].

**Enter User ID / Account ID** - Specifies the type of ID to enter for authentication. Select [User ID and Account ID] to enable both [User ID] and [Account ID] to be available for entry. If either [User ID only] or [Account ID only] is selected, the ID that is not selected will be dimmed out. If [No need to enter], [Prompt User for Settings] in the [Detailed User Settings] dialog box, and [User ID/Account ID] for [User details] in the [Configuration] tab are selected, job will be sent without showing the pop-up dialog box.

## Configuration Tab Settings

---

This section describes the settings of the Configuration tab.



**NOTE:** You can restore defaults by clicking [Defaults].

## Settings

**Enable Account Setup** - Select this check box to enable the job accounting feature.

**Account Mode** - Specifies if all users or only System Administrators can change authentication related settings.

**User details** - Specify which ID to be entered. If [All] is selected, [User ID], [Account ID], and [Billing ID] will be available for selection on the [Detailed User Settings] dialog box and the [Enter User Details] dialog box. If [User ID/Account ID] is selected, only [User ID], [Account ID], and [Passcode] will be available. If [Billing ID] is selected, only [Billing ID] and [Passcode] will be available.

**NOTE:** This feature is not available if [Enable Account Setup] check box is not selected or if the [Use Account Management Tool] check box is selected.

**NOTE:** In conjunction with the [Enter User ID/Account ID] setting in the [Device Settings] tab, you can restrict the type of authentication information that a user can enter.

**Detailed User Settings** - Sets the authentication information.

**Use Default User Settings** - The values set in this feature are used as the authentication parameters.

- **Specify User ID** - Select how to specify User ID.
- **User ID** - Enter a User ID.
- **Passcode** - Enter the Passcode for the User ID.
- **Account ID** - Enter an Account ID.
- **Billing ID** - Enter a User ID for Charge Print.
- **Passcode** - Enter the Passcode for the Billing ID.

**Prompt User for Settings** - Select this feature to display the [Enter User Details] dialog-box each time you start printing. The user is then required to enter authentication information such as their User ID.

- **Display Previous User Details** - Check the box to store the user details entered in the [Enter User Details] dialog-box, and display the details in the box as a default next time.
- **Hide User ID (\*\*\*)** - Check the box to specify whether a user ID is to be displayed or hidden when it is entered.
- **Hide Account ID (\*\*\*)** - Check the box to specify whether an account ID is to be displayed or hidden when it is entered.

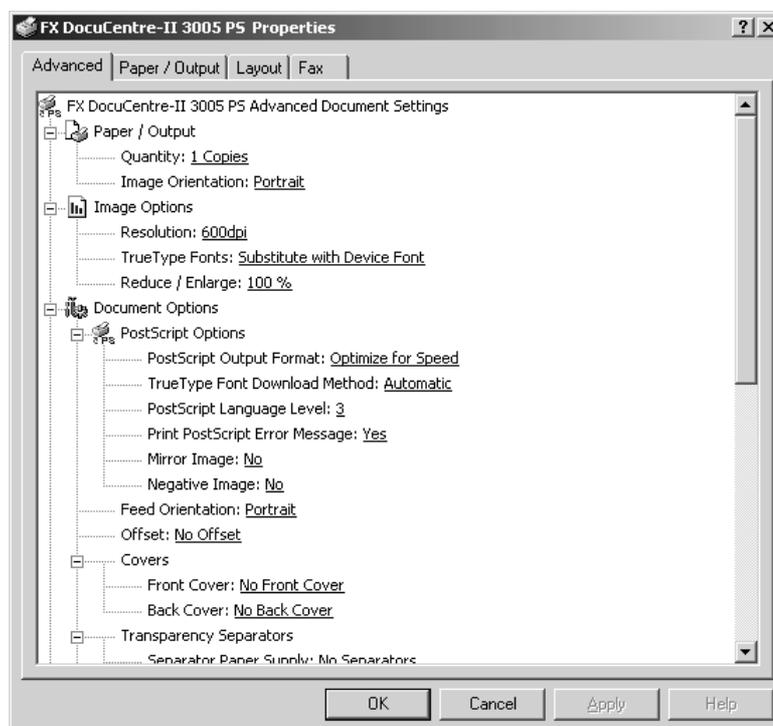
**High Speed Printing** - Set this feature to make improvements in print speed, when using an application that generates PostScript directly.

**Get Information from Printer** - Clicking [Get Information from Printer] when the machine is used as a network printer verifies the printer option installation state using the print port to which the printer is connected, and reflects this in the Hardware Options setting.

## Advanced Tab Settings

---

This section describes the settings in the Advanced tab. Select the items in the Advanced tab and change the settings in the Change Setting box at the bottom of the tab.



## Settings

**Quantity** - Specifies the number of output copies.

**Image Orientation** - Specifies the image orientation, portrait or landscape, for stapling mixed sized originals.

**Resolution** - Select [600dpi] (default) or [1200dpi] as the resolution.

**TrueType Fonts** - Specifies the font handling for documents containing TrueType fonts.

**Substitute with Device Font** - Substitute TrueType fonts with fonts resident on the machine.

**Download as Softfont** - Download the font to the machine as a softfont.

**Reduce/Enlarge** - Specifies the reduction/enlargement ratio as a percentage between 25 and 400%.

**PostScript Output Format** - Specifies the default PostScript file output format for when saving to a file.

**Optimize for Speed** - For faster printer processing.

**Optimize for Portability** - Reduce portability errors.

**Encapsulated PostScript** - Outputs to an encapsulated PostScript file.

**Archive Format** - Outputs to an archive format file.

**TrueType Font Download Method** - Specifies the font handling for documents containing TrueType fonts when saving to a file.

**Automatic** - Automatic font handling.

**Outline** - Includes as vector outlines.

**Bitmap** - Includes as bitmap images.

**Native TrueType** - Includes TrueType fonts in their native format.

**PostScript Language Level** - Specifies the PostScript language level for compatibility with other devices (1, 2, or 3) when saving to a file.

**Print PostScript Error Message** - Specifies whether to report PostScript errors when saving to a file.

**Mirror Image** - Specifies whether to create mirror images for left-hand and right-hand pages when saving to a file.

**Negative Image** - Specifies whether to invert the black and white colors in the output. Select [Yes] to invert black and white colors for negative image printing.

**Feed Orientation** - Specifies the paper orientation when printing from the bypass tray. When feeding the short edge of the paper first, select [Landscape]. When feeding the long edge of the paper, select [Portrait].

**Offset** - The position of individual jobs or sets of copies are shifted to either side of the output tray to enable easy separation.

**Front Cover** - Specifies the paper tray that the front cover stock is to be fed from.

**Back Cover** - Specifies the paper tray that the back cover stock is to be fed from.

**Transparency Separators** - Specifies the separators to be inserted between transparencies.

**Separator Paper Supply** - Specifies the paper tray that transparency separators are to be fed from. When [Auto Paper Select] is selected, the tray set on the machine is used as the feed destination.

**Print on Separators** - Specifies whether to insert a blank sheet or a printed sheet as a separator.

**Paper Type (Separators)** - Specifies a paper type for the transparency divider.

**Image Quality** - You can specify the print quality of the document. Select [Standard] if you are not concerned about quality but want to print quickly. Select [High Resolution] to print fine lines.

**Halftone** - Specifies the type of halftone used. Available selections are: [Type 1 - Fine Dots], [Type 1 - Thick Dots], [Type 3 - Fine Dots], and [Type 3 - Thick Dots]. If [Type 3 - Fine Dots] or [Type 3 - Thick Dots] is selected, the halftone dots will be the same as PCL6 print driver.

**Image Enhancement** - Specifies whether to use the Image Enhancement function. Selecting [On] smoothes out boundaries when printing. This reduces jagged edges by artificially increasing the resolution of the image. When printing a bitmapped image

composed of coarse halftone dots, smooth color gradation is impossible in certain situations. In this case, select [Off].

**Image Rotation 180 Degrees** - Set the checkbox to rotate the prints by 180°. Default is [No Rotation].

**Double Print** - Enable this feature to repeatedly print one page twice on a paper with a bigger size than the original. You can use Double Print feature if you have set the zoom ratio to 100% with the following paper size and output size settings.

Paper Size	Output Size
A4	A3
A5	A4
B5	B4
Letter (8.5 x 11")	Tabloid (11 x 17")

**Skip Blank Pages** - Specifies whether to skip blank pages when printing documents that contain blank pages.

**Draft Mode** - Specifies whether to reduce the amount of toner used when printing drafts. When [On] is selected, the overall printed color becomes lighter. This is best for printing documents when high print quality is not necessary.

**Banner Sheet** - Specifies whether to add a banner sheet to the printed output. When [Printer Default] is selected, the printer settings are used. When [Print Start Page] is selected, outputs the banner sheet using the start-sheet.

**NOTE:** For Secure Print and Delayed Print, [Banner Sheet] is grayed out and not available.

**E-mail Job Confirmation** - Specifies whether to use the Mail Notify feature to notify the end of the print job via e-mail. Default is [Off].

**Enter E-Mail Address** - Specifies the e-mail address for the Mail Notify feature.

**Substitute Tray** - Specifies what action to take when the paper for the print size is not loaded in the machine.

**Printer Default**- Use the printer settings. The settings can be confirmed on the control panel.

**Display Message** - Displays paper supply messages on the control panel. Printing is impossible until paper is supplied.

**Use Closest Size (Reduce to Fit)** - Selects the closest paper size and automatically reduces the image size as necessary.

**Use Closest Size (100%)** - Selects the closest paper size and prints the same size as the image.

**Use Larger Size (Reduce to Fit)** - Selects paper larger than the original and automatically reduces the image size as necessary.

**Use Larger Size (100%)** - Selects paper larger than the original and prints the same size as the image.

**Select Tray 5 (Bypass)** - Feeds from bypass tray.

**Custom Paper Auto Orientation** - Specifies whether to correct the orientation of the custom paper.

**Print Mixed Sized Originals** - Specifies whether you are printing mixed sized originals for 2 Sided Print.

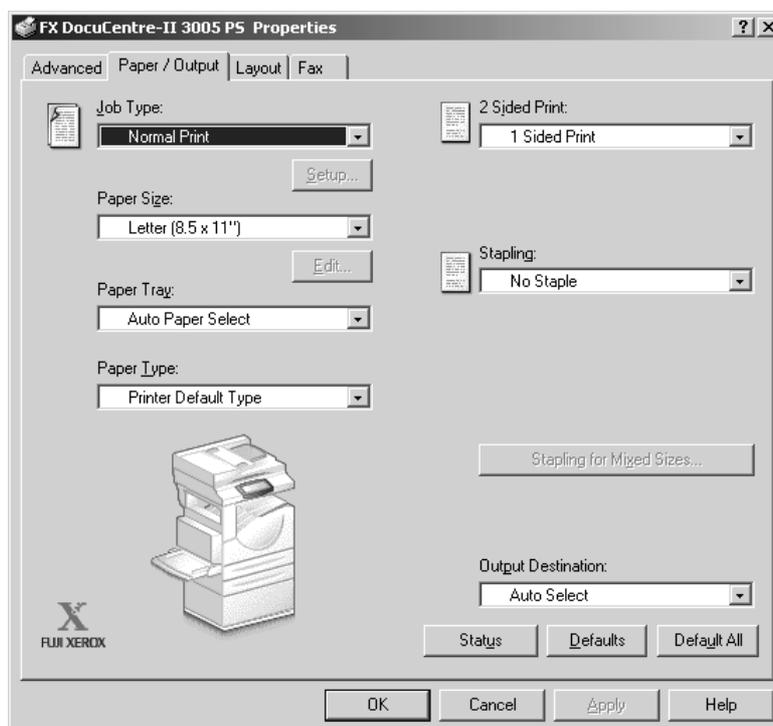
**Use Document Monitor** - Specifies whether to use the CentreWare EasyOperator Document Monitor.

**NOTE:** [Use Document Monitor] is displayed only when Document Monitor is installed on your computer.

**Modify Dash / Dot Lines of Output** - When printing from Microsoft Excel application, dash or dotted lines may be printed as solid lines. By enabling this feature, you can rectify this problem and print dash or dotted lines as they are.

## Paper/Output Tab Settings

This section describes the Paper/Output tab.



**NOTE:** You can restore defaults by clicking [Defaults].

### Job Type

You can specify the print function for Secure Print, Sample Set, and Delayed Print.

**Normal Print** - Select when you do not want to output secure prints, a sample set, or delayed prints.

**Secure Print** - Holds print jobs in the printer until you request on the printer's control panel to print them.

**Sample Set** - Outputs only one copy set when multiple copies are specified. If the copy set has no problem, you can request on the printer's control panel to print the remaining sets.

**NOTE:** Sample Set is referred to as "Sample Print" on the printer's control panel.

**NOTE:** When only one copy is specified for the output, the settings will be changed to [Normal Print] automatically. When multiple copies are specified for the output, the remaining copies can be output by an instruction from a printer.

**Delayed Print** - Temporarily stores print jobs in the printer, and then prints them at the scheduled time.

See the On-line Help for details on the operation of the printer.

**Fax** - Sends documents directly from your PC by fax in the same way as you send your print job.

**User ID** - Enter a user ID for Secure Print or Sample Set. The user ID must be up to 24 characters.

**Enter a 1-12 Digit Secure Print Passcode** - Enter a passcode for the Secure Print user ID. The passcode must be up to 12 digits and will be displayed as asterisks (\*).

**Document Name** - In Secure Print, Sample Set, and Delayed Print, select the method to retrieve the name of the documents stored in the printer. Select [Use Existing Name] or [Enter Document Name]. If [Use Existing Name] is selected, the document name will be obtained from the application that sends the print command. No manual entry is allowed. Document names that have exceeded 24 characters will be truncated. If you have selected [Enter Document Name], enter a name in the [New Document Name].

**New Document Name** - This item is used when [Enter Document Name] is selected in [Document Name]. Enter the name of the document stored in the printer. The name entered should be within 24 characters.

**Start Print Time** - Specifies the time that a Delayed Print job will be printed. Place the cursor in the hour or minute box and press the up or down triangle to specify the start time. You can also set the time by entering the time directly into the boxes. The default setting is 00:00.

## Settings

**Paper Size** - Specifies the paper size for printing.

**Paper Tray** - Specifies the paper tray for printing.

**Paper Type** - Specifies the paper type for printing.

**2 Sided Print** - Specifies whether to print on both sides of the paper. This option requires the optional Duplex unit.

**Stapling** - Specifies the stapling location and number of staples. This option requires the optional finisher unit.

**Stapling for Mixed Sizes...** - Displays the [Stapling for Mixed Sizes] dialog box. You can specify a stapling option for mixed sized documents.

**Output Destination** - Specifies the output tray.

**Status** - Displays the printer status. The printer status can be displayed under the following conditions:

Your machine is connected by TCP/IP or IPX, and the SNMP agent is activated.

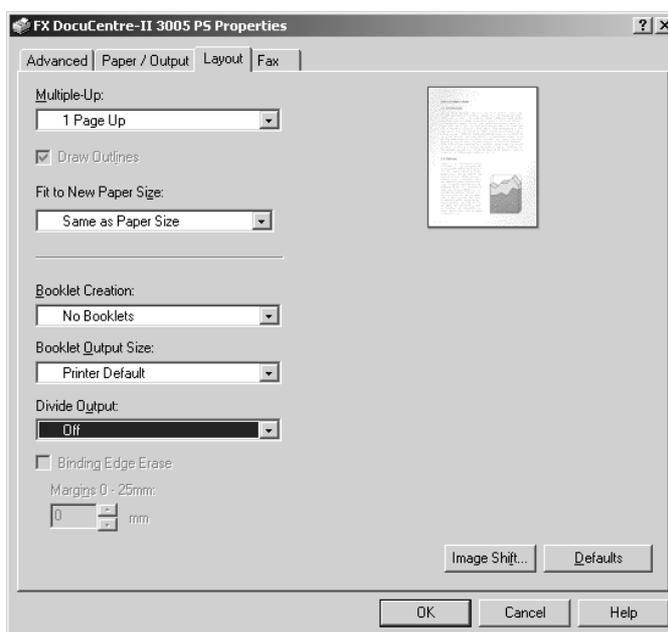
Your machine is connected to the network.

CentreWare Internet Services is activated on the machine.

## Layout Tab Settings

---

This section describes the settings in the Layout tab.



**NOTE:** You can restore defaults by clicking [Defaults].

## Settings

**Multiple-Up** - Prints multiple consecutive pages of a document on a single sheet of paper.

**Draw Outlines** - Draws a border around each page image printed on a single sheet of paper using the Multiple-Up feature.

**Fit to New Paper Size** - Specifies the paper size on which to print the image.

**Booklet Creation** - Specifies the binding and finishing methods for Booklet Creation. You can check the result of the change in setting on the preview image at the top right of the screen.

**NOTE:** [Booklet Creation] feature will only be available if [Auto Paper Select] or [Auto Paper Select (Type)] is selected in [Paper Tray] on the [Paper / Output] tab.

**Booklet Output Size** - Specifies the output size for booklet printing.

**NOTE:** When [Booklet Creation] is selected, only [Auto Paper Select] or [Auto Paper Select (Type)] are available in [Paper Tray] on the [Paper / Output] tab. Conversely, the [Booklet Creation] feature is only available when [Auto Paper Select] or [Auto Paper Select (Type)] is selected in [Paper Tray].

**Divide Output** - You can print the booklet in multiple subsets. Simply specify the maximum number of sheets per subset to print booklet in subsets. You can select [Off], [Each Sheet], or 2-20 sheets for each subset.

**Binding Edge Erase** - Select this check box to add a gutter at the center of the paper so that text printed at the fold will not be lost or become illegible.

**Margins 0 - 25 mm** - Specify any value from 0 to 25 mm in units of 1 mm. The specified gutter margin will be added to the middle of the page.

**Image Shift** - Specifies the image shift position for a binding margin. Specify the edge position and the extent of the image shift on [Side 1] of the paper. You can also specify a margin for [Side 2] for 2 sided printing along the same edge of the paper.

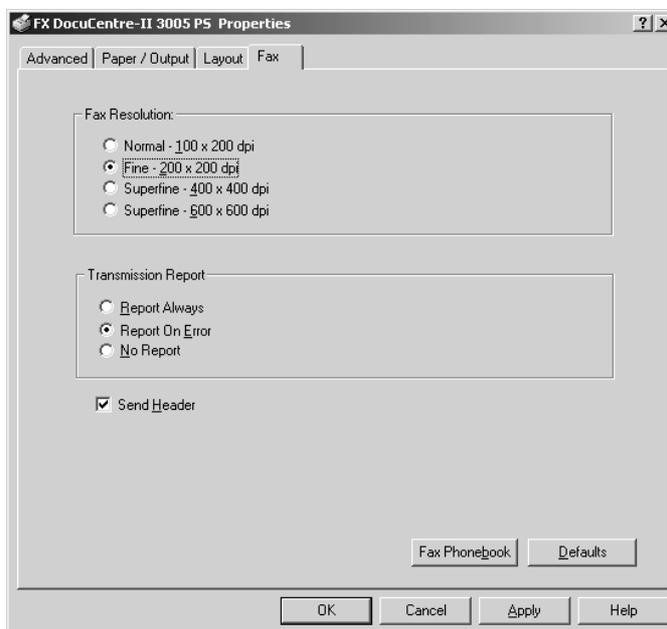
## Fax Tab Settings

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This section describes the settings in the Fax tab.

**NOTE:** The options on this tab are enabled only when [Fax] has been selected for [Job Type] on the Paper / Output tab and a Fax Kit has been installed on the machine.

**NOTE:** Fax jobs must be sent with EMF Spooling set to [Not Available].



**NOTE:** You can restore defaults by clicking [Defaults].

## Settings

**Fax Resolution** - Specifies the resolution to transmit a fax job.

**Transmission Report** - Specifies whether to generate a status report after the fax transmission is completed.

**Send Header** - Specifies whether to add a header to your fax job. The default is on.

**Fax Phonebook** - Displays the [Fax Phonebook] dialog box. You can register the details of new recipients or retrieve the details of registered recipients.

**New Phonebook** - Allows you to create a new Fax Phonebook data file. When this is clicked, the standard [New] dialog box will be displayed for you to enter a file name to identify the new file. The new file will be selected as the current Fax Phonebook.

**Open Phonebook...** - Opens an existing Fax Phonebook data file. When this is clicked, the standard [Open] dialog box will be displayed for you to locate the file to be opened. The opened file will be selected as the current Fax Phonebook.

**Save Phonebook As...** - Saves the current Fax Phonebook using another file name or new destination. When this is clicked, the standard [Save As] dialog box will be displayed for you to enter a new file name or select a new folder to save the file. The newly saved file will then be selected as the current Fax Phonebook.

**Type in a name or select from list** - Select a recipient name from the Fax Phonebook list or enter a name in the edit box. The list will scroll down to the name that has been entered.

**New...** - Allows you to create a new Fax Phonebook entry using the [New Entry] dialog box displayed. Select [Individual] to create an individual entry using the [New Individual Entry] dialog box or [Group] to create a group entry using the [New Group Entry] dialog box.

**Properties** - Displays either the [Edit Individual Properties] or [Edit Group Properties] dialog box to allow you to modify the selected individual or group entry respectively.

**Delete From Phonebook** - Deletes the selected entry. Deleting an individual entry also deletes it from any group it is in. Deleting a group entry does not delete the individual entries that made up the group.

**Import To Phonebook** - Allows you to import individual entries from an external database.

**To ->** Adds the selected Fax Phonebook entry to the Recipient List.

**NOTE:** This item is displayed only when you click [Look Up Phonebook...] on the [Fax Recipient] dialog box when sending a fax.

**Delete From List** - Deletes the selected entry from the Recipient List.

**NOTE:** This item is displayed only when you click [Look Up Phonebook...] on the [Fax Recipient] dialog box when sending a fax.

## How to Use Help

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The following describes how to use Help.

1. Click  and a ? mark appears next to the pointer. You can then click items for which you need explanations, opening a pop-up window that contains relevant information. Click inside the pop-up window to close it.
2. Click [Help], an explanation of the current tab appears as Help information.

# 5 Operation on Macintosh Computers

- About the Software
  - Bundled Software
  - Hardware/Software Requirements
- Installing the Adobe PostScript Printer Driver
  - Installation Procedure (Mac OS 9.x or earlier)
  - Setting the Printer Driver (Mac OS 9.x or earlier)
  - Installation Procedure (Mac OS X)
  - Adding a Printer (Mac OS X)
- Installable Options
  - For Mac OS 9.x and earlier
  - For Mac OS X
- Printer Specific Driver Settings
  - For Mac OS 9.x and earlier
  - For Mac OS X
- Installing the Screen Fonts
  - For Mac OS 9.x and earlier
  - For Mac OS X
- Fuji Xerox PS Utility

## About the Software

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This section describes the Macintosh software that is included on the PostScript Driver Library CD-ROM.

**NOTE:** When using AppleTalk protocol to print from Macintosh, set the EtherTalk port to Enable on the machine's control panel.

## Bundled Software

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Insert the CD-ROM and double-click the FXOPS-PS icon to display the Window. The following items are contained in the folder:

**AdobePS Printer Driver (ver. 8.5.1, 8.7.0, and 8.8) and PPD files** - Adobe PostScript driver and PPD files (for Macintosh)

**Fuji Xerox PPD Installer** - The PPD file installer for Mac OS X 10.2.x

**Fuji Xerox Plug-in Installer** - The PPD & Plug-in file installer for Mac OS X 10.3.9 and 10.4 through 10.4.6

**Fuji Xerox PS Utility** - Enables you to define your printer settings.

**Adobe Screen Fonts** - Contains 117 PostScript fonts and 19 TrueType fonts, which are standard for PostScript 3 printers. In addition, 37 PostScript fonts for the Central European (CE) character set are included.

**ATM (Adobe Type Manager) (ver. 4.5.2)** - Helps you to install typefaces and activate and manage your fonts.

**Adobe Reader** - Allows you to view and print PDF files on all major computing platforms.

**Readme.txt** - Contains cautionary notes about how to use the printer driver. Ensure you read this before use.

## Hardware/Software Requirements

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The minimum system requirements for the Macintosh printer driver and the utility are described below.

### Computer System

- Macintosh
- Power Macintosh

### Basic Software

- **For AdobePS 8.5.1** - Mac OS 7.1 through 8.1
- **For AdobePS 8.7** - Mac OS 8.5 and 8.5.1
- **For AdobePS 8.8** - Mac OS 8.6 through 9.2.2
- **For PPD Installer** - Mac OS X 10.2.x
- **For PPD & Plug-in Installer** - Mac OS X 10.3.9 and 10.4 through 10.4.6
- **For Fuji Xerox PS Utility** - Mac OS 7.1 or later

**NOTE:** When using Mac OS X, launch the Classic environment to run the applications.

## Installing the Adobe PostScript Printer Driver

---

This section describes how to install the Adobe printer driver and how to set the printer driver for this machine. There are two steps to install the printer driver. Firstly, use the installer enclosed on the CD-ROM to install the printer to the Macintosh. Then, configure the printer driver according to the printer used.

## Installation Procedure (Mac OS 9.x or earlier)

---

This section describes the procedures for installing the Adobe PostScript printer driver. As an example, here is the procedure to install Adobe PostScript 8.8.

1. Insert the PostScript Driver Library CD-ROM in the CD-ROM drive.  
The FXOPS-PS icon appears on the desktop.
2. Double-click [FXOPS-PS].
3. Double-click the [DC3005] folder for your printer model, and then the “Adobe PS 880” folder.
4. Double-click [Adobe PostScript Installer 8.8].
5. When the Installer opens, click [Continue].
6. Read through the license agreement carefully and if you have no objections to it, click [Accept].
7. Confirm the Install Location for the [AdobePS Components] folder and change it if necessary, then click [Install].  
Installation begins.
8. When the dialog box showing installation has completed appears, click [Continue] or [Quit].

This completes the installation.

Proceed to *Setting the Printer Driver (Mac OS 9.x or earlier)* on page 55 to continue.

## Setting the Printer Driver (Mac OS 9.x or earlier)

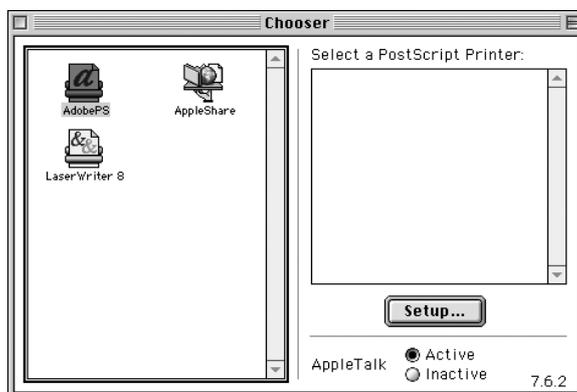
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When you finish installing the Adobe PostScript printer driver, set the PostScript Printer Description (PPD) file for this machine to the printer driver.

The printer driver controls the functions of this machine based on the information in the PPD file.

1. Make sure that the machine is on.
2. Check that the machine’s EtherTalk port is set to Enable.  
You can check the EtherTalk settings in the System Settings List. See User Guide for details about how to print the System Settings List.
3. On the Apple menu select [Chooser], then click [Adobe PS].
4. Select your printer from the Select a PostScript Printer list box, which appears to the right of the Chooser, then click [Setup].

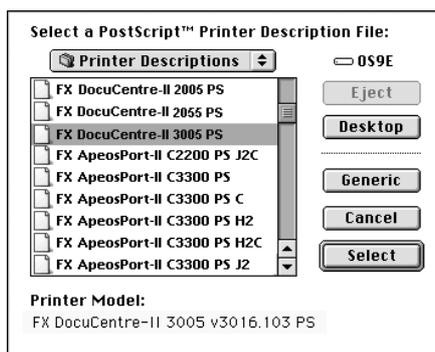
**NOTE:** You must be connected to the printer for its name to appear in the list box.



This automatically searches for the printer and sets the PPD file.

If the search for the PPD file is not automatically performed:

- (1) Click [Select PPD].
- (2) Select your printer model in the list, then click [Select].



The PPD file for this machine is set.

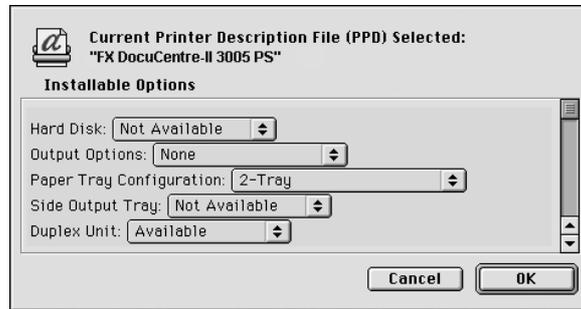


5. Click [Configure] to set the installable options.

See *Installable Options* on page 61 for details about the options.

**NOTE:** You can change the print settings after you install the printer driver.

**NOTE:** To use the options, it is necessary to set Configure. Always set this according to the configuration of your machine.



6. Click [OK]. Click [OK] once more in the screen displayed.
7. Close the Chooser.

## Installation Procedure (Mac OS X)

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Install the PostScript Printer Description (PPD) file for the Mac OS X into the Mac OS X 10.2.x, 10.3.9, and 10.4 through 10.4.6 Macintosh.

**NOTE:** A printer driver does not need to be installed on Mac OS X. It uses the Adobe PostScript driver that is provided with the operating system.

1. Insert the PostScript Driver Library CD-ROM in the CD-ROM drive.  
The FXOPS-PS icon appears on the desktop.
2. Double-click [FXOPS-PS].  
The FXOPS-PS window opens.
3. Open the [DC3005] folder.
4. For Mac OS X 10.2.x, select the [MacOSX10.2] folder, and then double-click [Fuji Xerox Installer].  
For Mac OS X 10.3.9 and 10.4 through 10.4.6, select the [MacOSX10.3.9-10.4] folder, and then double-click [Fuji Xerox Plug-in Installer].  
The installer starts and the Authenticate window opens.
5. Enter the Administrator's user name and passcode, then click [OK].  
The license screen opens.
6. Read through the license agreement carefully and if you have no objections to it, click [Accept].
7. Confirm the Install Location and change it if necessary, then click [Install].
8. When the dialog box showing installation has completed appears, click [Quit].  
This completes the installation.  
Proceed to *Adding a Printer (Mac OS X)* on page 58.

## Adding a Printer (Mac OS X)

---

After the PPD file has been installed, set the PPD file for the printer driver, and then add the printer.

The printer driver controls the printer functions based on the information in the PPD file.

As an example, this section describes how to add a printer on a Mac OS X 10.3.9.

**NOTE:** Menu items and procedures may vary slightly for Mac OS X 10.2.x or other versions.

### Procedure

1. Make sure that the machine is on.
2. Check that the machine's port is set to Enable.
  - When using AppleTalk, set the EtherTalk port to Enable.
  - When using IP Printing, set the LPD port to Enable.

- When using USB, set the USB port to Enable.

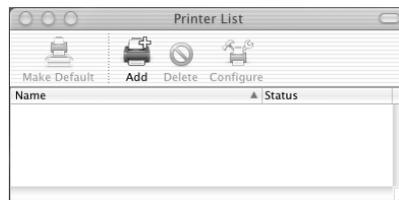
You can check the EtherTalk and LPD settings in the System Settings List. See the User Guide for details about how to print the “System Settings List.”

3. Start [Print Center].

**NOTE:** You can find Print Center in the Utilities folder in the Applications folder. For Mac OS X 10.3.9 and 10.4 through 10.4.6, open the Printer Setup Utility in the Utilities folder in the Application folder.

The Printer List screen opens.

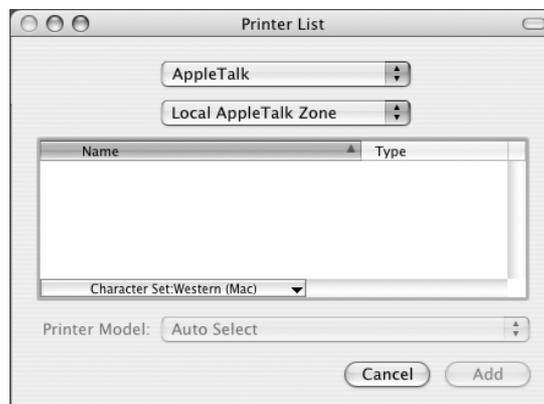
4. Click [Add].



5. Select the protocol used to connect the printer.

#### When using AppleTalk®

1. Select [AppleTalk] from the menu, and specify the zone for the printer being used.



2. Select the printer you are using from the list.
3. Select [Auto Select] from Printer Model.
4. Click [Add].

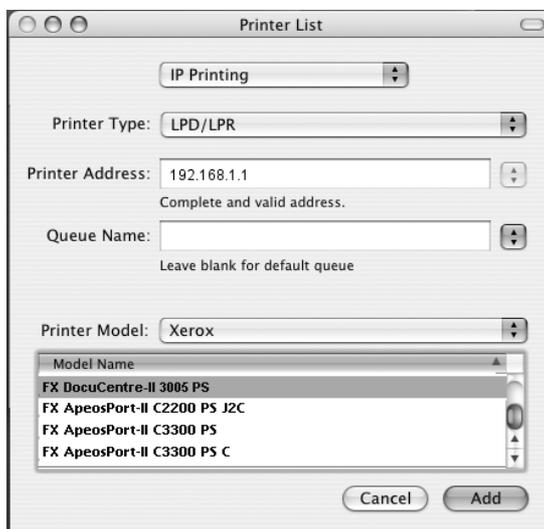
After clicking [Add], a message may appear telling you that multiple printer files were found. Select the PPD file you will use and click [Add].

#### When using IP Printing

You can select the printer by setting IP address as well as by using Bonjour or Rendezvous. When directly setting IP address, follow the steps below.

1. Select [IP Printing] from the menu, and enter the IP address for the printer being used in Printer's Address.

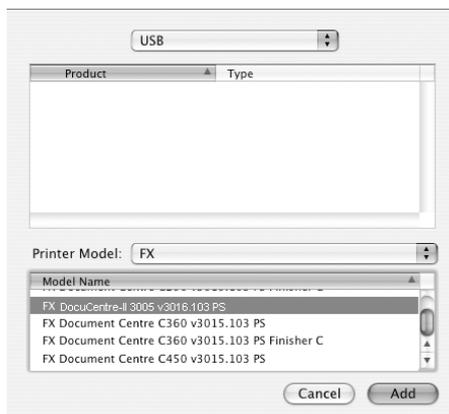
**NOTE:** For Mac OS X 10.3.9 and 10.4 through 10.4.6, select LPD/LPR for printer type.



2. Select [FX] from Printer Model, and select the printer to be used.
3. Click [Add].

### When using USB

1. Select [USB] from the menu, and select the printer you are using from the list.



2. Select [FX] from Printer Model, and select the printer to be used.
3. Click [Add].

This completes the addition of a printer.

## Printer options

Click [Printers] on the Print Center menu bar, and select [Show Info].

For Mac OS X 10.3.9 and 10.4 through 10.4.6, click [Printers] on the Printer Setup Utility menu bar, then select [Show Info].

Next, select [Installable Options], and select the options that have been installed on the printer. See *Installable Options on page 61* for details about the options.

This completes the addition of a printer.

When automatically setting the printer by using Bonjour or Rendezvous, follow the steps below.

1. Select [Bonjour] or [Rendezvous] from the menu.
2. Select the printer you are using from the list.
3. According to the screen, select required items that automatically set the printer.

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## Installable Options

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This section describes the installable options settings corresponding to the hardware configuration of the printer.

### For Mac OS 9.x and earlier

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This section describes the installable options for operating systems Mac OS 9.x and earlier.

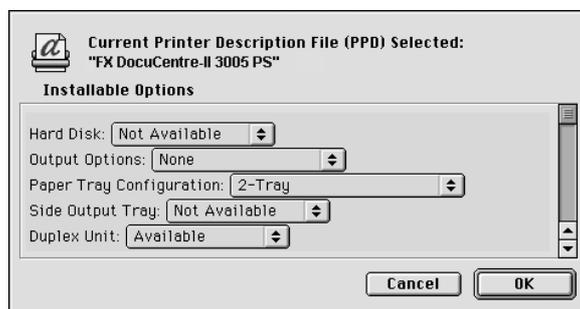
**NOTE:** Usually, Installable Options are automatically set according to the bidirectional communications of this machine. You do not have to change the settings.

1. Select the printer using the Chooser and click [Setup].  
The Current Printer Description File (PPD) Selected dialog box appears.
2. Click [Configure].



The Installable Options list appears.

3. Set the option menu items in Installable Options, and click [OK].

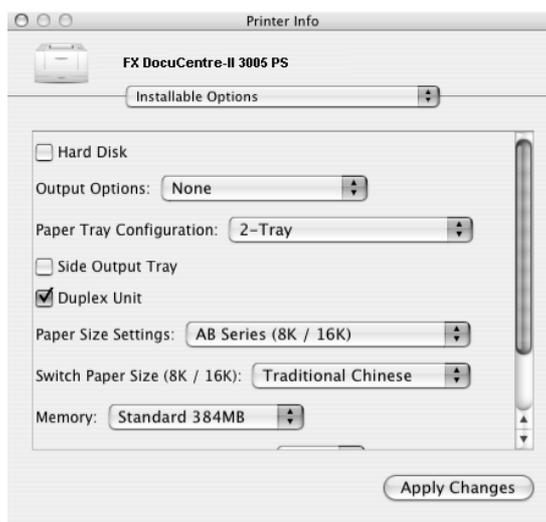


## For Mac OS X

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This section describes the installable options for Mac OS X.

1. Click [Printers] on the Printer Setup Utility menu bar, and select [Show Info].
2. Select [Installable Options], and select the options that have been installed on the printer.



## Settings

**Hard Disk** - Specifies whether the Hard Disk (optional) is installed. If it is, set to [Available].

**Output Options** - Specifies whether the inner output tray or finisher output unit is installed.

**Paper Tray Configuration** - Specifies the paper tray type installed on the machine.

**Side Output Tray** - Specifies whether the side output tray is installed.

**Duplex Unit** - Specifies whether the Duplex Kit (optional) is installed on the machine.

**Paper Size Settings** - Specifies the paper size group for different areas to enable the selection of paper size common to that location.

**Switch Paper Size (8K / 16K)** - Indicate your language preference to enable the set of 8K and 16K paper sizes that best suits your needs. If you select [Traditional Chinese], the dimensions of the 8K and 16K paper sizes are 267 x 388 mm and 194 x 267 mm respectively. If you select [Simplified Chinese], the dimensions will be 270 x 390 mm and 195 x 270 mm respectively.

**Memory** - Specifies the amount of printer memory.

**The minimum digit of Passcode** - Specifies the minimum number of digits allowed for a passcode. Mac OS X 10.2.x does not support this setting.

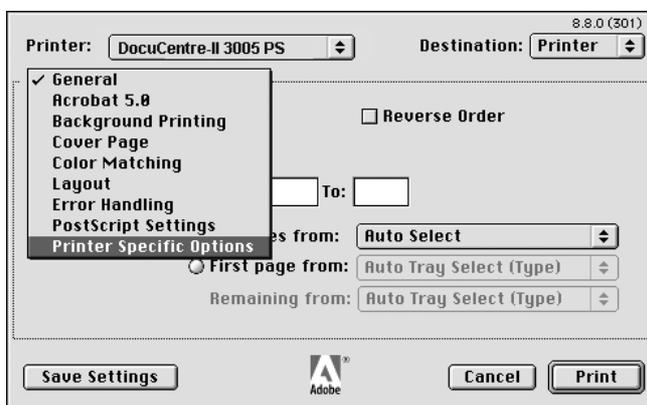
**Enter User ID/Account ID** - Specifies the ID types available for the Authentication and Auditron Administration features. Mac OS X 10.2.x does not support this setting.

## Printer Specific Driver Settings

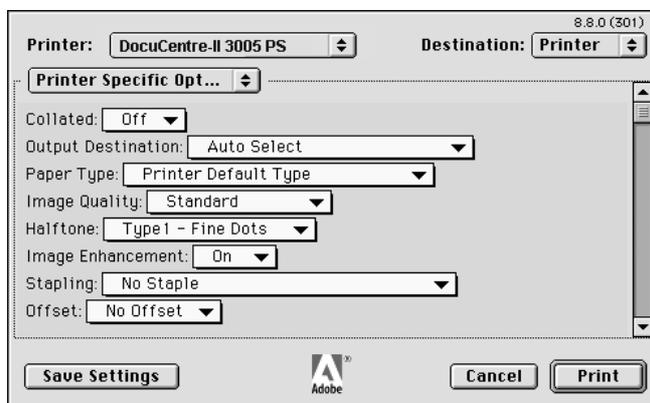
This section describes the settings that relate specifically to the printer. The settings available vary depending on which hardware options have been installed. See *Installable Options on page 61*.

### For Mac OS 9.x and earlier

1. On the File menu of the application, click [Print].  
The Print dialog box appears.
2. Select [Printer Specific Options].



3. Specify the functions that you want to set.



## Settings

**Collated** - Specifies whether to collate a multiple-page file when a job is printed.

**Output Destination** - Specifies the output tray.

**Paper Type** - Specifies the paper type for printing.

**Image Quality** - You can specify the print quality of the document. Select [Standard] if you are not concerned about quality but want to print quickly. Select [High Resolution] to print fine lines.

**Halftone** - Specifies the type of halftone used. Available selections are: [Type 1 - Fine Dots], [Type 1 - Thick Dots], [Type 3- Fine Dots], and [Type 3 - Thick Dots]. If [Type 3- Fine Dots] or [Type 3 - Thick Dots] is selected, the halftone dots will be the same as PCL6 print driver.

**Image Enhancement** - Specifies whether to use the Image Enhancement function. Selecting [On] smoothes out boundaries when printing. This reduces jagged edges by artificially increasing the resolution of the image. When printing a bitmapped image composed of coarse halftone dots, smooth color gradation is impossible in certain situations. In this case, select [Off].

**Stapling** - Specifies the stapling location and number of staples. This option requires the optional finisher unit.

**Offset** - The position of individual jobs or sets of copies are shifted to either side of the output tray to enable easy separation.

**Feed Orientation** - Specifies the paper orientation when printing from the bypass tray. When feeding the short edge of the paper first, select [Landscape]. When feeding the long edge of the paper, select [Portrait].

**Separators Paper Supply** - Specifies the paper tray that transparency separators are to be fed from. When [Auto Paper Select] is selected, the tray set on the machine is used as the feed destination.

**Paper Type (Separators)** - Specifies a paper type for the transparency divider.

**Print on Separators** - Specifies whether to insert a blank sheet or a printed sheet as a separator.

**Print Mixed Sized Originals** - Specifies whether you are printing mixed sized originals for 2 Sided Print.

**Booklet Creation** - Specifies the binding and finishing methods for Booklet Creation.

**Booklet Output Size** - Specifies the output size for booklet printing.

**Booklet Divide Output** - You can print the booklet in multiple subsets. Simply specify the maximum number of sheets per subset to print booklet in subsets. You can select [Off], [Each Sheet], or 2-20 sheets for each subset.

**Double Print** - Enable this feature to repeatedly print one page twice on a paper with a bigger size than the original. You can use Double Print feature if you have set the zoom ratio to 100% with the following paper size and output size settings.

Paper Size	Output Size
A4	A3
A5	A4
B5	B4
Letter (8.5 x 11")	Tabloid (11 x 17")

**Draft Mode** - Specifies whether to reduce the amount of toner used when printing drafts. When [On] is selected, the overall printed color becomes lighter. This is best for printing documents when high print quality is not necessary.

**Substitute Tray** - Specifies what action to take when the paper for the print size is not loaded in the machine.

**Printer Default** - Use the printer settings. The settings can be confirmed on the control panel.

**Display Message** - Displays paper supply messages on the control panel. Printing is impossible until paper is supplied.

**Use Closest Size (Reduce to Fit)** - Selects the closest paper size and automatically reduces the image size as necessary.

**Use Closest Size (100%)** - Selects the closest paper size and prints the same size as the image.

**Use Larger Size (Reduce to Fit)** - Selects paper larger than the original and automatically reduces the image size as necessary.

**Use Larger Size (100%)** - Selects paper larger than the original and prints the same size as the image.

**Select Tray 5 (Bypass)** - Feeds from bypass tray.

**Front Cover** - Specifies the paper tray that the front cover stock is to be fed from.

**Back Cover** - Specifies the paper tray that the back cover stock is to be fed from.

**Skip Blank Pages** - Specifies whether to skip blank pages when printing documents containing blank pages.

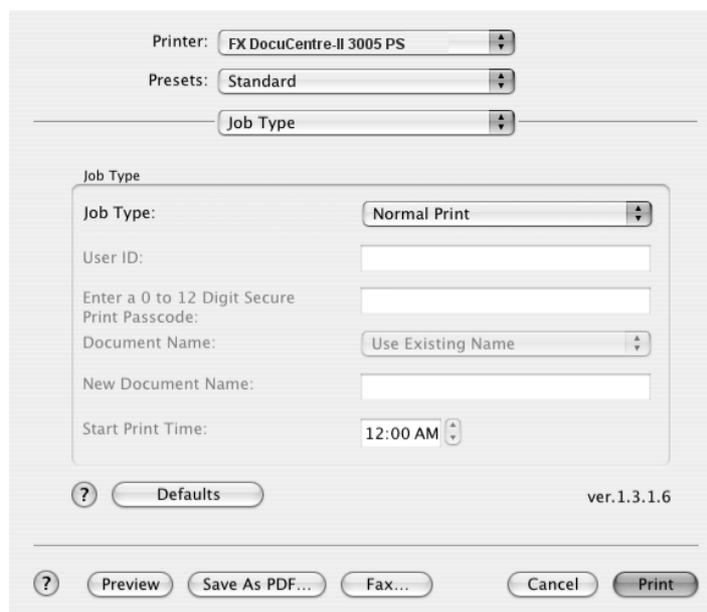
**Custom Paper Auto Orientation** - Specifies whether to correct the orientation of the custom paper.

**Image Quality** - Specifies the print quality of the document. Select [High Speed] for quick output, [High Quality] for high quality output regardless of the speed, or [High Resolution] for printing in Decomposer resolution.

## For Mac OS X

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### Job Type Settings (Except Mac OS X 10.2.x)



You can specify the print function for Secure Print, Sample Set, and Delayed Print.

**NOTE:** Secure Print, Sample Set, and Delayed Print are supported on Mac OS 10.3 and 10.4 only.

**Normal Print** - Select when you do not want to output secure prints, a sample set, or delayed prints.

**Secure Print** - Holds print jobs in the printer until you request on the printer's control panel to print them.

**Sample Set** - Outputs only one copy set when multiple copies are specified. If the copy set has no problem, you can request on the printer's control panel to print the remaining sets.

**NOTE:** Sample Set is referred to as "Sample Print" on the printer's control panel.

**NOTE:** The Collated setting must be selected in the Page Setup tab when using Print Type.

**Delayed Print** - Temporarily stores print jobs in the printer, and then prints them at the scheduled time.

See the On-line Help for details on the operation of the printer.

**User ID** - Enter a user ID for Secure Print or Sample Set. The user ID must be up to 24 characters.

**Enter a 1 to 12 Digit Secure Print Passcode** - Enter a passcode for the Secure Print user ID. The passcode must be up to 12 digits and will be displayed as asterisks (\*).

**Document Name** - In Secure Print, Sample Set, and Delayed Print, select the method to retrieve the name of the documents stored in the printer. Select [Use Existing Name] or [Enter Document Name]. If [Use Existing Name] is selected, the document name will be obtained from the application that sends the print command. No manual entry is allowed. Document names that have exceeded 24 characters will be truncated. If you have selected [Enter Document Name], enter a name in the [New Document Name].

**New Document Name** - This item is used when [Enter Document Name] is selected in [Document Name]. Enter the name of the document stored in the printer. The name entered should be within 24 characters.

**Start Print Time** - Specifies the time that a Delayed Print job will be printed. Place the cursor in the hour or minute box and press the up or down triangle to specify the start time. You can also set the time by entering the time directly into the boxes. The default setting is 00:00.

### Job Accounting Settings (Except Mac OS X 10.2.x)

**NOTE:** These functions are supported on Mac OS 10.3 and 10.4 only.

**Account Mode** - Specifies if all users or only System Administrators can change the authentication related settings.

**User ID/Account ID** - Specifies the type of ID to enter for authentication. Select [User ID and Account ID] to enable both the user ID and the account ID to be available for entry. Select [Billing ID] to enable the billing ID to be available for entry. Select [All] to enable all the user ID, account ID and billing ID to be available for entry.

**Detailed User Settings** - Sets the authentication information.

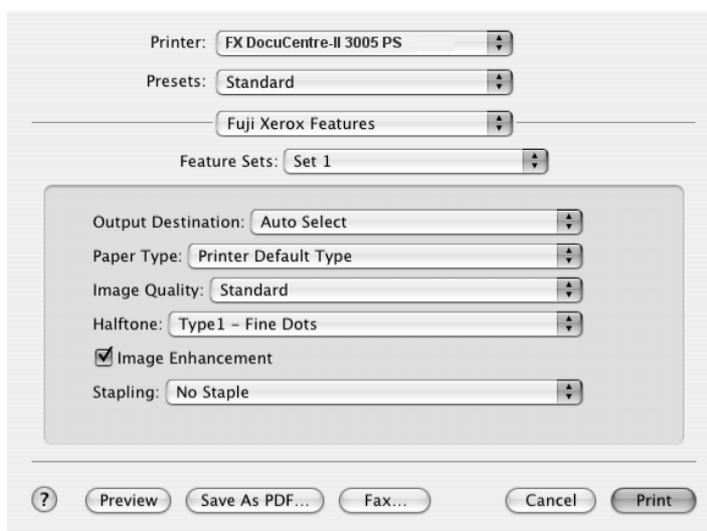
**Use Default User Settings** - The values set in this feature are used as the authentication parameters.

- **Specify User ID** - Select how to specify the User ID.
- **User ID** - Enter a User ID.

- **Passcode** - Enter the Passcode for the User ID.
  - **Account ID** - Enter an Account ID.
  - **Billing ID** - Enter a User ID for Charge Print.
  - **Passcode** - Enter the Passcode for the Billing ID.
- Prompt User for Settings** - Select this feature to display the [Enter User Details] dialog-box each time you start printing. The user is then required to enter authentication information such as their User ID.
- **Display Previous User Details** - Check the box to store the user details entered in the [Enter User Details] dialog-box. These details will be displayed as the default entry the next time the window opens.
  - **Hide User ID** - Check the box to specify whether a user ID is to be displayed or hidden when it is entered.
  - **Hide Account ID** - Check the box to specify whether an account ID is to be displayed or hidden when it is entered.

### Fuji Xerox Features Settings

**NOTE:** On Mac OS X 10.2.x, [Fuji Xerox Features] is displayed as [Printer Features].



**Output Destination** - Specifies the output tray.

**Paper Type** - Specifies the paper type for printing.

**Image Quality** - You can specify the print quality of the document. Select [Standard] if you are not concerned about quality but want to print quickly. Select [High Resolution] to print fine lines.

**Halftone** - Specifies the type of halftone used. Available selections are: [Type 1 - Fine Dots], [Type 1 - Thick Dots], [Type 3- Fine Dots], and [Type 3 - Thick Dots]. If [Type 3- Fine Dots] or [Type 3 - Thick Dots] is selected, the halftone dots will be the same as PCL6 print driver.

**Image Enhancement** - Specifies whether to use the Image Enhancement function. Selecting [On] smoothes out boundaries when printing. This reduces jagged edges by artificially increasing the resolution of the image. When printing a bitmapped image composed of coarse halftone dots, smooth color gradation is impossible in certain situations. In this case, select [Off].

**Stapling** - Specifies the stapling location and number of staples. This option requires the optional finisher unit.

**Offset** - The position of individual jobs or sets of copies are shifted to either side of the output tray to enable easy separation.

**Feed Orientation** - Specifies the paper orientation when printing from the bypass tray. When feeding the short edge of the paper first, select [Landscape]. When feeding the long edge of the paper, select [Portrait].

**Print Mixed Sized Originals** - Specifies whether you are printing mixed sized originals for 2 Sided Print.

**Booklet Creation** - Specifies the binding and finishing methods for Booklet Creation.

**Booklet Output Size** - Specifies the output size for booklet printing.

**Booklet Divide Output** - You can print the booklet in multiple subsets. Simply specify the maximum number of sheets per subset to print booklet in subsets. You can select [Off], [Each Sheet], or 2-20 sheets for each subset.

**Double Print** - Enable this feature to repeatedly print one page twice on a paper with a bigger size than the original. You can use Double Print feature if you have set the zoom ratio to 100% with the following paper size and output size settings.

Paper Size	Output Size
A4	A3
A5	A4
B5	B4

Letter (8.5 x 11") Tabloid (11 x 17")

**Draft Mode** - Specifies whether to reduce the amount of toner used when printing drafts. When [On] is selected, the overall printed color becomes lighter. This is best for printing documents when high print quality is not necessary.

**Substitute Tray** - Specifies what action to take when the paper for the print size is not loaded in the machine.

**Printer Default**- Use the printer settings. The settings can be confirmed on the control panel.

**Display Message** - Displays paper supply messages on the control panel. Printing is impossible until paper is supplied.

**Use Closest Size (Reduce to Fit)** - Selects the closest paper size and automatically reduces the image size as necessary.

**Use Closest Size (100%)** - Selects the closest paper size and prints the same size as the image.

**Use Larger Size (Reduce to Fit)** - Selects paper larger than the original and automatically reduces the image size as necessary.

**Use Larger Size (100%)** - Selects paper larger than the original and prints the same size as the image.

**Select Tray 5 (Bypass)** - Feeds from bypass tray.

**Front Cover** - Specifies the paper tray that the front cover stock is to be fed from.

**Back Cover** - Specifies the paper tray that the back cover stock is to be fed from.

**Skip Blank Pages** - Specifies whether to skip blank pages when printing documents containing blank pages.

**Custom Paper Auto Orientation** - Specifies whether to correct the orientation of the custom paper.

**Transparency Separators** - Specifies the separators to be inserted between transparencies.

**Print on Separators** - Specifies whether to insert a blank sheet or a printed sheet as a separator.

**Separator Paper Supply** - Specifies whether to print on the transparency separators as well as the transparency.

**Paper Type (Separators)** - Specifies a paper type for the transparency divider.

## Installing the Screen Fonts

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This section explains how to install the fonts in the Screen Font folder.

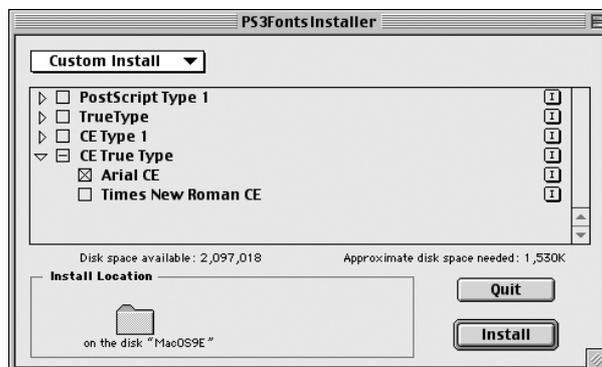
It is recommended that all other applications are closed before installing the fonts. Otherwise, a warning message appears between steps 5 and 6.

1. Start Macintosh and insert the PostScript Driver Library CD-ROM into the CD-ROM drive.
2. Double-click the [FXOPS-PS] icon followed by the Screen Font folder and then the [PS3 Fonts Installer].
3. When the Installer window appears, click [Continue].  
The license agreement dialog appears.
4. Read through the agreement carefully and if you have no objections to it, click [Accept].  
The PS3FontsInstaller dialog box appears.
5. You may select [Easy Install] or [Custom Install].

**Easy Install** - installs all the fonts provided in the Screen Font folder.

**Custom Install** - installs the selected fonts only. Simply click on the disclosure triangle beside the four categories of fonts to display the fonts in each category and

then check the fonts to be installed. For example, the diagram below shows that Arial CE of the CE TrueType fonts is selected.



A warning message will appear if you did not quit all other applications before performing the font installation.

**6.** Click [Install].

The installation of the fonts begins.

After the installation, you have to restart your Macintosh before the fonts can be used.

Store your CD-ROM in a safe place.

## Fuji Xerox PS Utility

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You can set the printer from your Macintosh using the Fuji Xerox PS Utility. This section describes how to install, remove, and use the Fuji Xerox PS Utility.

**NOTE:** When using the Fuji Xerox PS Utility, set the printer's EtherTalk port status to Enable and make sure that the printer is set correctly in the Chooser. See Network Administrator Guide for details on setting the port.

### Installing the Fuji Xerox PS Utility

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The installation procedure is described below.

1. Insert the PostScript Driver Library CD-ROM in the CD-ROM drive.  
The FXOPS-PS icon appears on the desktop.
2. Double-click the [FXOPS-PS] icon.  
The FXOPS-PS window opens.
3. Copy the Fuji Xerox PS Utility folder to the Macintosh hard disk.  
The Fuji Xerox PS Utility is installed.

See *Using the Fuji Xerox PS Utility on page 72* for details about how to use the Fuji Xerox PS Utility.

Store your CD-ROM in a safe place.

### Uninstalling the Fuji Xerox PS Utility

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1. Move the Fuji Xerox PS Utility folder from the Macintosh hard disk to the Trash icon.  
The Fuji Xerox PS Utility is removed.

### Using the Fuji Xerox PS Utility

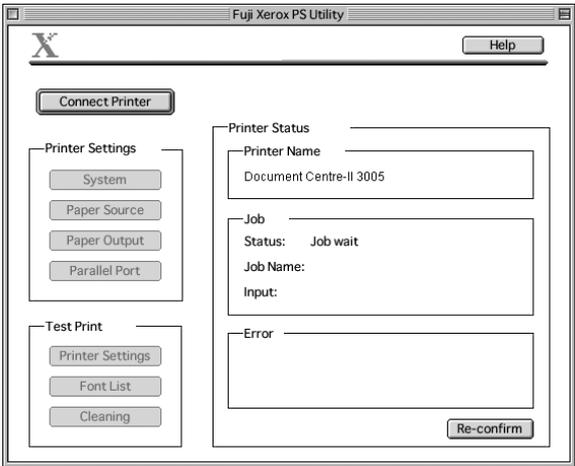
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You can download PS files to the machine, and set the printer name and EtherTalk zones with the Fuji Xerox PS Utility. This section describes how to activate and use the Fuji Xerox PS Utility.

You need to install the Fuji Xerox PS Utility. See *Installing the Fuji Xerox PS Utility on page 72* for details about how to install the Fuji Xerox PS Utility.

### Activating the Fuji Xerox PS Utility

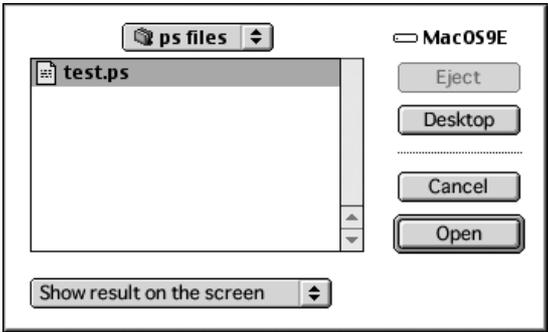
1. Double-click [Fuji Xerox PS Utility] in the Fuji Xerox PS Utility folder.  
The Fuji Xerox PS Utility main window appears. Use the menu bar or the button to use it.



To exit the Fuji Xerox PS Utility, click [Quit] on the File menu.

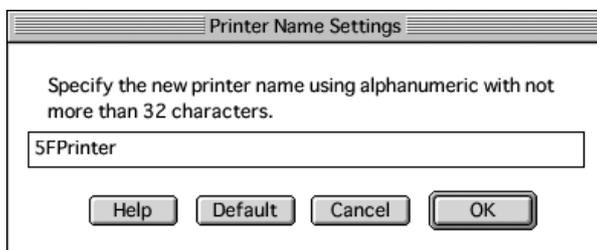
### Specifying the Printer Settings

1. Specify the printer settings.  
For details on the individual items, click [Help].  
**Download PS File** - Select the [Download PS file] command from the File menu.  
This command downloads the PostScript file to your printer. Locate the file to be downloaded and click [Open]. You may select whether to display the result on the screen or save it to file.  
**NOTE:** You may download the PS file even when the [Connect Printer] button on the Fuji Xerox PS Utility window is not clicked.



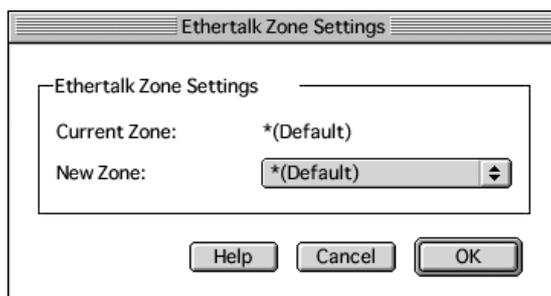
**Printer Name** - The Printer Name Settings window is displayed by selecting the Printer Name command from the Settings menu. You may change the printer name in this window.

**NOTE:** You may change the printer name even when the Connect Printer button on the Fuji Xerox PS Utility window is not clicked. In order to do so, you have to make sure that the printer name you want to change is selected in the Chooser before you activate the Fuji Xerox PS Utility.



**EtherTalk** - The EtherTalk Zone Settings window is displayed by selecting the EtherTalk command from the Settings menu. The EtherTalk Zone Settings window enables you to confirm the current EtherTalk zone and to change it.

**NOTE:** You may access the Ethertalk Zone Settings window and change the settings even when the [Connect Printer] button on the Fuji Xerox PS Utility window is not clicked.



You cannot specify any zone displayed in the list with a name longer than 32 characters.

2. After you have specified the individual items, click [OK].  
Update the printer settings and return to the main window.

# 6 Barcode Settings

The following information can be found in this chapter:

- About Barcode Settings
  - Font Types and Character Sets
  - Sample Program and Output Results
- Character Set Tables
  - JAN Character Set Table
  - Code 39 Character Set Table
  - NW7 Character Set Table
  - Code 128 Character Set Table
  - ITF (Interleaved 2 of 5) Character Set Table
  - Customer Barcode Character Set Table
- Barcode Sizes

## About Barcode Settings

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This section explains about the types of compatible barcodes, designated character sets for barcode characters, sizes of printed barcodes, etc.

**NOTE:** This guide assumes that the operator has a basic knowledge of barcodes.

## Font Types and Character Sets

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The table below lists compatible barcode types.

For the character set used to specify each barcode character, see *Character Set Tables on page 77*.

See *Barcode Sizes on page 87* for details about the size of printed barcode.

Barcode type	PostScript font name	Refer to the following table
JAN	HitachiI THINJANH8-RG	JAN Character Set Table (page 77)
Code 39	HitachiI T-C39H8	Code 39 Character Set Table (page 78)
NW7	HitachiI THINNW7H8-RG	NW7 Character Set Table (page 79)
Code 128	HitachiI THINC128H8-RG	Code 128 Character Set Table (page 80)

Barcode type	PostScript font name	Refer to the following table
ITF (without bearer bar)	HitachiITHINITFH8-RG	ITF (Interleaved 2 of 5) Character Set Table (page 84)
ITF (with bearer bar)	HitachiITHINITFB-RG	
Customer Barcode	HitachiITHINPOSTBC-RG	Customer Barcode Character Set Table (page 86)

Font type	PostScript font name
OCR B LetterPress M	OCRBLetM

**NOTE:** The printed barcode's readability depends largely on factors such as the quality of paper used and performance of the barcode reader. Before using this product, we recommend you thoroughly test it under the conditions in which it will be used.

## Sample Program and Output Results

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A program that prints a sample of each type of barcode and a PDF showing the output results are provided. Use these as a reference when printing barcodes.

■ **Location of sample program and output results in PDF**

Located in the [manual] > [sample] folder on the PostScript Driver Library CD-ROM

■ **Sample program name**

Sample.ps

■ **Output results PDF name**

Sample.pdf

## Character Set Tables

This section describes the character sets used when specifying barcode character for each barcode type.

### JAN Character Set Table

The table below lists the character sets used when printing JAN barcode characters.

Character	Character set					
	Left side odd parity		Left side even parity		Right side even parity	
	HEX notation	ASCII notation	HEX notation	ASCII notation	HEX notation	ASCII notation
0	30	0	41	A	4B	K
1	31	1	42	B	4C	L
2	32	2	43	C	4D	M
3	33	3	44	D	4E	N
4	34	4	45	E	4F	O
5	35	5	46	F	50	P
6	36	6	47	G	51	Q
7	37	7	48	H	52	R
8	38	8	49	I	53	S
9	39	9	4A	J	54	T
Left side guard bar	22	"				
Right side guard bar	23	#				
Center bar	21	!				

## Code 39 Character Set Table

The table below lists the character sets used when printing Code 39 barcode characters.

Character	Character set		Character	Character set		Character	Character set	
	HEX notation	ASCII notation		HEX notation	ASCII notation		HEX notation	ASCII notation
\$	24	\$	8	38	8	M	4D	M
%	25	%	9	39	9	N	4E	N
*	2A	*	(SP)	20	SP	O	4F	O
+	2B	+	A	41	A	P	50	P
-	2D	-	B	42	B	Q	51	Q
.	2E	.	C	43	C	R	52	R
/	2F	/	D	44	D	S	53	S
0	30	0	E	45	E	T	54	T
1	31	1	F	46	F	U	55	U
2	32	2	G	47	G	V	56	V
3	33	3	H	48	H	W	57	W
4	34	4	I	49	I	X	58	X
5	35	5	J	4A	J	Y	59	Y
6	36	6	K	4B	K	Z	5A	Z
7	37	7	L	4C	L	(SP)	40	@

## NW7 Character Set Table

The table below lists the character sets used when printing NW7 barcode characters.

Character	Character set		Character	Character set		Character	Character set	
	HEX notation	ASCII notation		HEX notation	ASCII notation		HEX notation	ASCII notation
\$	24	\$	0	30	0	A	41	A
+	2B	+	1	31	1	B	42	B
-	2D	-	2	32	2	C	43	C
.	2E	.	3	33	3	D	44	D
/	2F	/	4	34	4	A	61	a
			5	35	5	B	62	b
			6	36	6	C	63	c
			7	37	7	D	64	d
			8	38	8			
			9	39	9			
			:	3A	:			

## Code 128 Character Set Table

---

The table below lists the character sets used when printing Code 128 barcode characters.

Value	Character			Character set	
	CODE A	CODE B	CODE C	HEX notation	ASCII notation
0	SP	SP	00	20	SP
1	!	!	01	21	!
2	"	"	02	22	"
3	#	#	03	23	#
4	\$	\$	04	24	\$
5	%	%	05	25	%
6	&	&	06	26	&
7	'	'	07	27	'
8	(	(	08	28	(
9	)	)	09	29	)
10	*	*	10	2A	*
11	+	+	11	2B	+
12	,	,	12	2C	,
13	-	-	13	2D	-
14	.	.	14	2E	.
15	/	/	15	2F	/
16	0	0	16	30	0
17	1	1	17	31	1
18	2	2	18	32	2
19	3	3	19	33	3
20	4	4	20	34	4
21	5	5	21	35	5
22	6	6	22	36	6
23	7	7	23	37	7
24	8	8	24	38	8
25	9	9	25	39	9
26	:	:	26	3A	:
27	;	;	27	3B	;
28	<	<	28	3C	<
29	=	=	29	3D	=

Value	Character			Character set	
	CODE A	CODE B	CODE C	HEX notation	ASCII notation
30	>	>	30	3E	>
31	?	?	31	3F	?
32	@	@	32	40	@
33	A	A	33	41	A
34	B	B	34	42	B
35	C	C	35	43	C
36	D	D	36	44	D
37	E	E	37	45	E
38	F	F	38	46	F
39	G	G	39	47	G
40	H	H	40	48	H
41	I	I	41	49	I
42	J	J	42	4A	J
43	K	K	43	4B	K
44	L	L	44	4C	L
45	M	M	45	4D	M
46	N	N	46	4E	N
47	O	O	47	4F	O
48	P	P	48	50	P
49	Q	Q	49	51	Q
50	R	R	50	52	R
51	S	S	51	53	S
52	T	T	52	54	T
53	U	U	53	55	U
54	V	V	54	56	V
55	W	W	55	57	W
56	X	X	56	58	X
57	Y	Y	57	59	Y
58	Z	Z	58	5A	Z
59	[	[	59	5B	[
60	\	\	60	5C	\
61	]	]	61	5D	]
62	^	^	62	5E	^
63	_	_	63	5F	_
64	NUL	`	64	60	`

Value	Character			Character set	
	CODE A	CODE B	CODE C	HEX notation	ASCII notation
65	SOH	a	65	61	a
66	STX	b	66	62	b
67	ETX	c	67	63	c
68	EOT	d	68	64	d
69	ENQ	e	69	65	e
70	ACK	f	70	66	f
71	BEL	g	71	67	g
72	BS	h	72	68	h
73	HT	l	73	69	l
74	LF	j	74	6A	j
75	VT	k	75	6B	k
76	FF	l	76	6C	l
77	CR	m	77	6D	m
78	SO	n	78	6E	n
79	SI	o	79	6F	o
80	DLE	p	80	70	p
81	DC1	q	81	71	q
82	DC2	r	82	72	r
83	DC3	s	83	73	s
84	DC4	t	84	74	t
85	NAK	u	85	75	u
86	SYN	v	86	76	v
87	ETB	w	87	77	w
88	CAN	x	88	78	x
89	EM	y	89	79	y
90	SUB	z	90	7A	z
91	ESC	{	91	7B	{
92	FS		92	7C	
93	GS	}	93	7D	}
94	RS	~	94	7E	~
95	US	DEL	95	7F	DEL
96	FNC 3	FNC 3	96	A1	
97	FNC 2	FNC 2	97	A2	
98	SHIFT	SHIFT	98	A3	
99	CODE C	CODE C	99	A4	

---

Value	Character			Character set	
	CODE A	CODE B	CODE C	HEX notation	ASCII notation
100	CODE B	FNC 4	CODE B	A5	
101	FNC 4	CODE A	CODE A	A6	
102	FNC 1	FNC 1	FNC 1	A7	
103	START(CODE A)			A8	
104	START(CODE B)			A9	
105	START(CODE C)			AA	
106	STOP			AB	

## ITF (Interleaved 2 of 5) Character Set Table

The table below lists the character sets used when printing ITF barcode characters.

Character	Character set		Character	Character set		Character	Character set	
	HEX notation	ASCII notation		HEX notation	ASCII notation		HEX notation	ASCII notation
00	21	!	30	3F	?	60	5D	]
01	22	"	31	40	@	61	5E	^
02	23	#	32	41	A	62	5F	_
03	24	\$	33	42	B	63	60	`
04	25	%	34	43	C	64	61	a
05	26	&	35	44	D	65	62	b
06	27	'	36	45	E	66	63	c
07	28	(	37	46	F	67	64	d
08	29	)	38	47	G	68	65	E
09	2A	*	39	48	H	69	66	F
10	2B	+	40	49	I	70	67	G
11	2C	,	41	4A	J	71	68	H
12	2D	-	42	4B	K	72	69	I
13	2E	.	43	4C	L	73	6A	J
14	2F	/	44	4D	M	74	6B	K
15	30	0	45	4E	N	75	6C	L
16	31	1	46	4F	O	76	6D	M
17	32	2	47	50	P	77	6E	N
18	33	3	48	51	Q	78	6F	O
19	34	4	49	52	R	79	70	P
20	35	5	50	53	S	80	71	Q
21	36	6	51	54	T	81	72	R
22	37	7	52	55	U	82	73	S
23	38	8	53	56	V	83	74	T
24	39	9	54	57	W	84	75	U
25	3A	:	55	58	X	85	76	V
26	3B	;	56	59	Y	86	77	W
27	3C	<	57	5A	Z	87	78	X
28	3D	=	58	5B	[	88	79	Y
29	3E	>	59	5C	\	89	7A	Z
90	7B	{	94	A1	DEL	98	A5	

Character	Character set		Character	Character set		Character	Character set	
	HEX notation	ASCII notation		HEX notation	ASCII notation		HEX notation	ASCII notation
91	7C		95	A2		99	A6	
92	7D	}	96	A3		START	A7	
93	7E	~	97	A4		STOP	A8	

With ITF, one character set specifies the pair of a character denoted by a bar and a character denoted by a space. However, the START and the STOP character are specified by one character set.

Example:

To print the pair of characters of the bar representing "3" and the space representing "7", specify "46" (HEX notation).

To print the pair of characters of the bar representing "7" and the space representing "3", specify "6A" (HEX notation).

## Customer Barcode Character Set Table

---

The table below lists the character sets used when printing customer barcode characters.

Character	Character set		Character	Character set	
	HEX notation	ASCII notation		HEX notation	ASCII notation
START	3C	<	CC1	61	a
STOP	3E	>	CC2	62	b
-	2D	-	CC3	63	c
0	30	0	CC4	64	d
1	31	1	CC5	65	e
2	32	2	CC6	65	f
3	33	3	CC7	67	g
4	34	4	CC8	68	h
5	35	5			
6	36	6			
7	37	7			
8	38	8			
9	39	9			

## Barcode Sizes

The table below lists formulae for figuring the approximate dimensions of printed barcodes.

The dimensions of the barcode printed may vary, even when using the same program, depending on conditions such as the characteristics and resolution of the printer used, paper quality, etc. The dimensions derived from the formulae in this table are not guaranteed to be the actual dimensions of the printed barcodes. Use this table as a reference when estimating the size of printed barcodes.

Barcodes type	Formulae	
	Width	Height
JAN (standard)	$P \times 0.502$	$P \times 0.352$
	Side margins not included.	Indicates the height of the guard bar.
JAN (short version)	$P \times 0.354$	$P \times 0.352$
	Side margins not included.	Indicates the height of the guard bar.
Code 39	$P \times (C + 2) \times 0.106$	$P \times 0.352$
	Intercharacter gap of the left and right sides not included. "C" includes the checkdigit.	
NW7	$P \times (C1 \times 0.132 + C2 \times 0.148 - 0.026)$	$P \times 0.352$
	Intercharacter gap of the left and right sides not included. "C1" and "C2" include the checkdigit.	
Code 128	$P \times (C \times 0.081 + 0.096)$	$P \times 0.352$
	Formula for CODE C.	
ITF (without bearer bar)	$P \times ((C/2 \times 0.175) + 0.093)$	$P \times 0.352$
	Quiet zone not included. "C" includes the checkdigit.	
ITF (with bearer bar)	$P \times ((C/2 \times 0.137) + 0.323)$	$P \times 0.352$
	Bearer bar and quiet zone included. "C" includes the checkdigit.	Bearer bar included.
Customer Barcode	$P \times 7.297$	$P \times 0.342$
	Spaces before the black bar of START code and after the black bar of the STOP code are not included.	Indicates the height of the long bar.

P: Font size (point)

C: Number of characters

C1: Number of characters (0,1,2,3,4,5,6,7,8,9,-,\$)

C2: Number of characters (:,/.,+,A,B,C,D)



# 7 Appendix

## Cautions and Limitations

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### About the driver

Cautions and limitations relating to each type of driver are listed in the Readme.txt file in the PostScript Driver Library CD-ROM. Ensure you read it before installing the driver.

### Troubleshooting

See the User Guide for error codes and error messages displayed on the control panel.  
See the User Guide for how to deal with paper jams.

### Print operation

The printer driver allows you to make selections to print on custom paper and postcards using duplex and/or the stapling feature to the Finisher Tray. However, these features cannot be used when printing on custom paper or postcards.

You can feed custom paper from the bypass tray only. However, when you select custom paper, the Paper Source selection does not change to Manual Feed automatically. Please select Manual Feed yourself.

When using Mac OS X, Sample Set may not be available to print one-page documents with some programs.



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