

Printer Enhance Option for DDST Type 2000

Operating Instructions

-
- 1** Installing the PCL Printer Driver
 - 2** Printer Features
 - 3** Troubleshooting
-

Introduction

This manual contains detailed instructions and notes on the operation and use of this machine. For your safety and benefit, read this manual carefully before using the machine. Keep this manual in a handy place for quick reference.

Important

Contents of this manual are subject to change without prior notice. In no event will the company be liable for direct, indirect, special, incidental, or consequential damages as a result of handling or operating the machine.

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Copying or printing the following items is generally prohibited by local law:

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The preceding list is meant as a guide only and is not inclusive. We assume no responsibility for its completeness or accuracy. If you have any questions concerning the legality of copying or printing certain items, consult with your legal advisor.

Notes:

Some illustrations in this manual might be slightly different from the machine.

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

Caution:

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

TABLE OF CONTENTS

How to Read This Manual	1
Symbols	1
1. Installing the PCL Printer Driver	
<hr/>	
Installing the PCL Printer Driver.....	3
Setting Up Options	5
2. Printer Features	
<hr/>	
Adjusting Printer Features.....	7
Printer Features Parameters.....	8
Paper Input.....	8
List/Test Print	8
Maintenance.....	9
System	10
Host Interface.....	11
PCL Menu	12
3. Troubleshooting	
<hr/>	
Printing Problems	15
Form Feed.....	16
Printing from a Selected Tray.....	16
Appendix.....	17
System Requirements.....	17
INDEX.....	18

How to Read This Manual

Symbols

This manual uses the following symbols:

Indicates points to pay attention to when using the machine, and explanations of likely causes of paper misfeeds, damage to originals, or loss of data. Be sure to read these explanations.

Important

Indicates points to pay attention to when using the machine, and explanations of likely causes of paper misfeeds, damage to originals, or loss of data. Be sure to read these explanations.

Note

Indicates supplementary explanations of the machine's functions, and instructions on resolving user errors.

Reference

This symbol is located at the end of sections. It indicates where you can find further relevant information.

[]

Indicates the names of keys that appear on the machine's display panel.

[]

Indicates the names of keys on the machine's control panel.

1. Installing the PCL Printer Driver

Installing the PCL Printer Driver

Auto Run starts the installer automatically when you load the CD-ROM in the CD-ROM drive.

Two kinds of PCL printer drivers, PCL 6 and PCL 5e, are provided with this machine. We recommend PCL 6 as your first choice.

TCP/IP requires the following:

- This machine must be connected to the network through the network interface cable.
- This machine must be turned on.
- The TCP/IP protocol must be configured.
- An IP address must be allocated to this machine and to the computer.

Important

- If you install the Printer Enhance Option, the DDST printer driver is disabled.
- When the DDST printer driver is disabled, it cannot be used even if you remove the Printer Enhance Option.
- If your system is Windows 2000/XP, or Windows Server 2003, installing a printer driver by Auto Run requires Administrator's permission. When you install a printer driver by Auto Run, log on using an account that has Administrator's permission.
- When updating the printer driver by installing the latest version, you should uninstall that of former version if any.
- Some applications may require installation of the PCL 5e printer driver. In this case, you can install PCL 5e without having to install PCL 6.

If you want to cancel Auto Run, hold down the **[Shift]** key (when your system is Windows 2000, hold down the left **[Shift]** key) while inserting the CD-ROM. Keep the **[Shift]** key held down until the computer has finished accessing the CD-ROM.

The following instructions are for PCL 6 printer driver.

1 Close all applications that are running.

2 Insert the CD-ROM into the CD-ROM drive.

Auto Run will start the installer.

3 Select a language to change the interface language, and then click **[OK]**.

4 Select **[PCL 6 Printer Driver]**.

5 The software license agreement appears in the **[License Agreement]** dialog box.

After reading through all of the contents, click **[I accept the agreement.]** to agree with the License Agreement, and then click **[Next >]**.

6 Select the printer driver you want to install when the **[Select Program]** dialog box appears.

7 Follow the instructions on the screen.

 **Note**

- Auto Run might not automatically work with certain OS settings. In this case, launch "Setup.exe" located on the CD-ROM root directory
- During installation in Windows 2000, the **[Digital Signature Not Found]** dialog box may appear. In this case, click **[Yes]** to continue the installation.
- During installation in Windows XP, Windows Server 2003, the **[Hardware Installation]** dialog box may appear. In this case, click **[Continue Anyway]** to continue the installation.

Setting Up Options

When setting up options, you should access the printer properties dialog box from Windows.

Important

- If the machine is equipped with certain options, you should set up the options with the printer driver.
- In Windows 2000/XP, Windows Server 2003, changing the printer settings requires Manage Printers permission. Members of the Administrators and Power Users groups have Manage Printers permission by default. When you set up options, log on using an account that has Manage Printers permission.

The following instructions are for PCL 6 printer driver.

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

The **[Printers]** window appears. In Windows XP Professional, Windows Server 2003, access the **[Printers and Faxes]** window from **[Start]** on the taskbar.

In Windows XP Home Edition, access the **[Printers and Faxes]** window. Click **[Start]** on the taskbar, click **[Control Panel]**, **[Printers and Other Hardware]** and then **[Printers and Faxes]**.

2 Click to select the icon of the printer you want to use.

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

The Printing Preferences dialog box appear.

4 Click the **[Device Options Settings]** tab.

5 Select options you have installed from the **[Device Options]** group.

6 Click **[OK]**.

2. Printer Features

This chapter describes user tools in the Printer Features menu. For details on how to access Printer Features, see “Accessing User Tools”, General Settings Guide.

Adjusting Printer Features

Use Printer Features to make basic adjustments when using the machine as a printer.

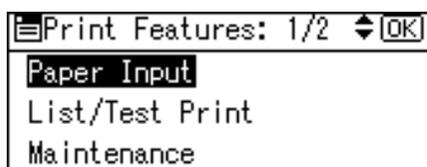
Although factory default settings are suitable for most print jobs, Printer Features allows you to access settings that control basic printer operations. The Printer Features settings you make are retained even after you turn off the machine.

1 Press the [User Tools/Counter] key.

2 Select [Printer Features] using the [▲] or [▼] key, and then press the [OK] key.



3 Select the desired item using the [▲] or [▼] key, press the [OK] key, and then change its settings.



[OK]: Press to make new settings and go back to previous menus.

[Escape]: Press to return to a previous menu without changing any setting.

4 After changing the Printer Features settings, press the [User Tools/Counter] key.

Note

- Changes made to functions remain in effect even after you turn off the machine.

Reference

For details about copier features and system settings, see Copy Reference and General Settings Guide.

Printer Features Parameters

Paper Input

This section describes the user tools in the Paper Input menu under Printer Features.

2

❖ Bypass Paper Size

The size of the paper set in the bypass tray.

Default:

- Metric version: A4
- Inch version: 8¹/₂" × 11"

❖ Auto Paper Select

Set this to enable Auto Paper Select. The machine automatically detects the paper size from the print data, and selects a suitable paper feed tray accordingly.

Default: On

❖ Duplex

You can set this to enable duplex printing. The machine detects duplex printing from the print data, and selects a suitable paper feed tray accordingly.

Default: On

Reference

For more information about paper sizes that can be set in the bypass tray, see General Settings Guide.

List/Test Print

This section describes the user tools in the Test Print menu under Printer Features.

If changes are made to the machine's environment or its print-related settings, or a new program is registered, we recommend you print the list of settings, so they can be checked.

❖ Multiple Lists

You can print the configuration page and error log.

❖ Config. Page

You can print the machine's current configuration values.

❖ Error Log

You can print error logs listing all errors that occurred during printing.

The most recent 30 errors are stored in the error log. If a new error is added when there are 30 errors already stored, the oldest error is deleted.

❖ Menu List

You can print a Menu List showing the Print Features.

❖ PCL Font Page

You can print the current configuration and installed PCL font list.

❖ Hex Dump

You can print in the Hex Dump mode.

 **Note**

- The layout of the list produced by the test print is fixed to A4 (letter size). We recommend you load A4 or letter size paper (plain or recycled) in one of the paper trays.
- The tray that contains A4 (letter) size paper is automatically selected. If A4 (letter) size paper is not loaded in any of the paper trays, Paper Tray Priority is selected. If the paper size loaded in the Paper Tray Priority is smaller than A4 (letter) size, the edges may be lost. If the paper size placed in the Paper Tray Priority is larger than A4 (letter) size, margins may become too large.

Maintenance

This section describes the user tools in the Maintenance menu under Printer Features.

❖ Menu Protect

This procedure allows you to protect menu settings from accidental change. It makes it impossible to change menu settings with normal procedures unless you perform the required key operations.

- Level 1
You can protect "Maintenance", "System", and "Host Interface".
- Level 2
You can protect "Paper Input", "Maintenance", "System", and "Host Interface".
- Off
Default: Off

System

This section describes the user tools in the System menu under Printer Features.

❖ **Print Error Report**

Select this to have an error report printed when a printer or memory error occurs.

Default: Off

❖ **Auto Continue**

You can select this to enable Auto Continue. When it is On, printing continues even if a system error occurs.

Default: Off

❖ **Memory Overflow**

Select this to have a memory overflow error report printed.

Select “Do not Print” to not print on pages where errors occur. The cancelled page and subsequent pages are not printed.

If you select “Error Report”, pages where errors occur are printed up to where the error occurred. Subsequent pages are printed normally, and an Error Report is printed at the end. However, sort instruction is cancelled.

Default: Do not Print

❖ **Duplex**

You can select to have print on both sides of each page.

Default: Off

❖ **Copies**

You can specify the number of print sets. This setting is disabled if the number of pages to print has been specified with the printer driver or another command.

- 1 to 999 by 1

Default: 1

❖ **Edge Smoothing**

Set this to enable Edge Smoothing.

Default: On

If Toner Saving is set to On, Edge Smoothing is ignored even if it is set to On.

❖ **Toner Saving**

Set this to enable Toner Saving.

Default: Off

❖ **Sub Paper Size**

You can enable the Auto Substitute Paper Size (A4 and LT) feature.

Default: Off

❖ Page Size

You can select the default paper size.

Default:

- Metric version: A4
- Inch version: 8¹/₂" × 11"

For more information about paper sizes that can be set for the default paper size, see General Settings Guide.

❖ Letterhead Setting

You can rotate original images when printing.

When printing, original images are always rotated by 180 degrees. Therefore, output might not be as expected when printing onto letterhead or preprinted paper requiring orientation. Using this function, you can specify image rotation.

When set to Off, original images are rotated by 180 degrees.

When set to On (Always), the machine does not rotate them.

This function reduces printing speed.

Default: Off

Host Interface

This section describes the user tools in the Host Interface menu under Printer Features.

❖ I/O Timeout

You can set how many seconds the machine should wait before ending a print job. If data from another port usually arrives while an earlier job is printing out, increase the timeout period.

Default: 15 seconds

PCL Menu

This section describes the user tools in the PCL Menu under Printer Features.

❖ Orientation

You can set the page orientation.

Default: Portrait

❖ Form Lines

You can set the number of lines per page.

Default:

- Metric version: 64
- Inch version: 60
- 5 to 128 by 1

❖ Font Number

You can set the ID of the default font you want to use.

Default: 0

- 0 to 50 by 1

❖ Point Size

You can set the point size you want to use for the selected font.

This setting is effective only with variable-space fonts.

Default: 12.00

- 4.00 to 999.75 by 0.25

❖ Font Pitch

You can set the number of characters per inch for the selected font.

This setting is effective only with fixed-space fonts.

Default: 10.00

- 0.44 to 99.99 by 0.01

❖ Symbol Set

Specify the set of print characters for the selected font.

The available options are as follows:

Default: Roman-8

❖ Courier Font

You can select a courier font type.

Default: Regular

❖ Ext. A4 Width

You can extend the printing area width (when printing on A4 sheet with PCL).

Default: Off

When the setting is On, the width will be 8¹/₂ inches.

❖ Append CR to LF

When set to On, a carriage return will follow each line feed: CR=CR, LF=CR-LF, FF=CR-FF.

Default: Off

❖ Resolution

You can set the print resolution in dots per inch.

Default: 600 dpi

3. Troubleshooting

Printing Problems

This section describes likely causes of and possible solutions for problems that can occur when printing from a computer.

Problem	Cause	Solution
Printed images contain blots or are patchy.	Settings for thick paper have not been made when printing on thick paper.	Select [Bypass Tray] in the [Paper Source:] list on the [Paper] tab. Select [Thick] in the [Media Type:] list on the [Setup] tab.
There is considerable delay between the print start instruction and actual printing.	Processing time depends on data volume. High volume data, such as graphics-heavy documents, takes longer to process.	If the Data In indicator is blinking, data has been received by the machine. Wait for a while. Making the following setting on the printer driver may reduce the computer's workload. For how to open the printing preferences dialog box, see "Setting Up the Printer Driver and Canceling a Print Job", Printer/Scanner Reference. Select the lower value for the [Resolution] list on the [Quality] tab in the printing preferences dialog box.

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

Form Feed

This section gives instructions for operating the machine when there is no tray for the selected paper size or type, or when paper loaded in the machine has run out.

Important

- The tray cannot be changed if the following functions is set:
 - Duplex Print to a tray that does not support duplex printing

Note

- If form feed is selected for a tray with the following setting, you can change the tray by canceling the setting:
 - Duplex Print
- If Auto Continue is selected, form fed paper is printed after a set interval. See “Printer Features Menu”, Printer/Scanner Reference.

Printing from a Selected Tray

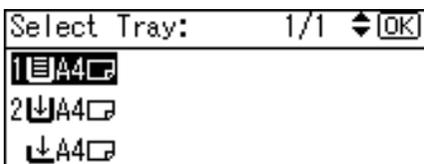
If the machine does not have a tray for the selected paper size or paper type, or if the selected paper loaded in the machine has run out, a caution message appears. If this message appears, do the following procedure.

- 1** When the caution message appears, press **[FormFeed]**.



- 2** Select the tray for form feed using **[▼]** or **[▲]** from those that appear on the display panel, and then press the **[OK]** key.

If you want to print after adding paper to the tray, select the tray after loading the correct paper.



The machine prints using the selected tray.

Note

- If a tray with a smaller paper size is selected, the print job may be cut short, or other problems may occur.

Appendix

System Requirements

❖ **Operating system**

Windows 2000

Windows XP

Windows Server 2003

❖ **Hard disk space**

128 MB or more

INDEX

A

adjusting, 7
Append CR to LF (PCL Menu), 12

C

Courier Font (PCL Menu), 12

E

Ext. A4 Width (PCL Menu), 12

F

Font Pitch (PCL Menu), 12
Form Feed, 16
Form Lines (PCL Menu), 12

H

Host Interface, 11
How to Read This Manual, 1

I

Installing the PCL Printer Driver, 3

L

List/Test Print, 8

M

Maintenance, 9

O

Orientation (PCL Menu), 12

P

Paper Input, 8
parameters, 8
PCL Menu (Printer Features), 12
Point Size (PCL Menu), 12
Printer Features, 7, 8
Printer Features (PCL Menu), 12
Printing from a Selected Tray, 16
Printing Problems, 15

R

Resolution (PCL Menu), 12

S

Setting Up Options, 5
Symbol Set (PCL Menu), 12
System, 10
System Requirements, 17

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

- The product name of Windows® 2000 are as follows:
 - Microsoft® Windows® 2000 Professional
 - Microsoft® Windows® 2000 Server
 - Microsoft® Windows® 2000 Advanced Server
- The product name of Windows® XP are as follows:
 - Microsoft® Windows® XP Home Edition
 - Microsoft® Windows® XP Professional
- The product names of Windows Server® 2003 are as follows:
 - Microsoft® Windows Server® 2003 Standard Edition
 - Microsoft® Windows Server® 2003 Enterprise Edition
 - Microsoft® Windows Server® 2003 Web Edition

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