



# DP40S

## Color Printer



**Operator Guide**

SV62531 Rev. B  
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Due to publication lead times and continuing product development, this manual may not reflect final product release configurations and recommended service procedures. Equipment and material specifications as well as performance features are subject to change without notice. Available product features may vary, depending on machine model, system software level and system setup. Some product features may be country specific.

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# 1 • Introduction

## Safety

Follow the normal safety precautions for all office equipment:

- Use only Pitney Bowes approved supplies, in particular aerosol dusters. Improper storage and use of aerosol dusters or flammable aerosol dusters can cause an explosive-like condition that could result in personal injury and/or property damage. Never use aerosol dusters labeled flammable and always read instructions and safety precautions on the duster label.
- To obtain supplies, please contact our Supply Line™ to place orders. Material Safety Data Sheets can be obtained on the web or from our Supply Line™. Refer to the Contact Information List for more information.
- Use the power cord supplied with the machine and plug it into a properly grounded wall outlet located near the machine and easily accessible. Failure to properly ground the machine can result in severe personal injury and/or fire.
- Avoid touching moving parts or materials while the machine is in use. Keep hands, loose clothing, jewelry and long hair away from all moving parts.
- Do not remove covers or defeat safety interlock switches. Covers enclose hazardous parts that should only be accessed by properly trained service personnel. Immediately report to service any damaged or non-functioning components that renders the unit unsafe.
- Place the unit in an accessible location to allow for proper venting of the equipment and to facilitate servicing.
- The power cord wall plug is the primary means of disconnecting the machine from the AC supply.
- Do not use an adapter plug on the line cord or wall outlet.
- Do not remove the ground pin from the line cord.
- Avoid using wall outlets that are controlled by wall switches, or shared with other equipment.
- Do not route the power cord over sharp edges or trap between furniture.
- Ensure there is no strain on the power cord and that it does not become jammed between the equipment, walls or furniture.
- Be certain the area in front of the wall receptacle into which the machine is plugged is free from obstruction.
- Before clearing a stoppage, be sure machine mechanisms come to a stop.
- When removing stalled material, avoid using too much force to protect against minor personal injury and damaging equipment.
- To prevent overheating, do not cover any vent openings.

# 1 • Introduction

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## Safety

- Operation of this equipment without periodic maintenance will inhibit optimum operating performance and could cause the equipment to malfunction. Contact your machine supplier for required service schedule.
- Use this equipment only for its intended purpose.
- Always follow the specific occupational safety and health standards for your workplace.

## Features

- Up to 36 pages per minute in full color for fast printing of high impact color presentations and other documents.
- Up to 40 pages per minute in black and white for fast and efficient printing of all general purpose documents not requiring color.
- 600 x 1200 dpi (dots per inch) print resolution for high quality image production showing the finest detail .
- MultiBit technology produces smoother gradations of color to lend photographic quality to your documents.
- Single Pass Color Digital LED technology for high speed processing of your printed pages .
- 10/100/1000 BaseT network connection lets you share this valuable resource among users on your office network.
- USB 2.0 and parallel (IEEE-1284) interfaces.
- PCL, PS, IBM PPR, Epson FX emulations .
- Automatic two-sided (duplex) printing for economical use of paper and compact printing of large documents.
- 40GB hard disk drive enables job spooling and verified printing.
- Standard 1 GB memory.

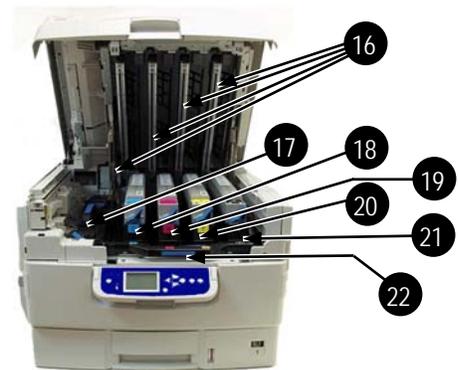
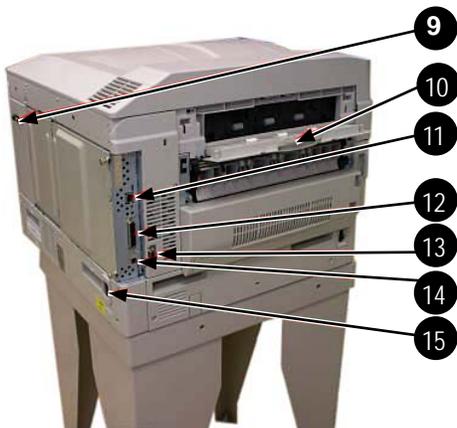
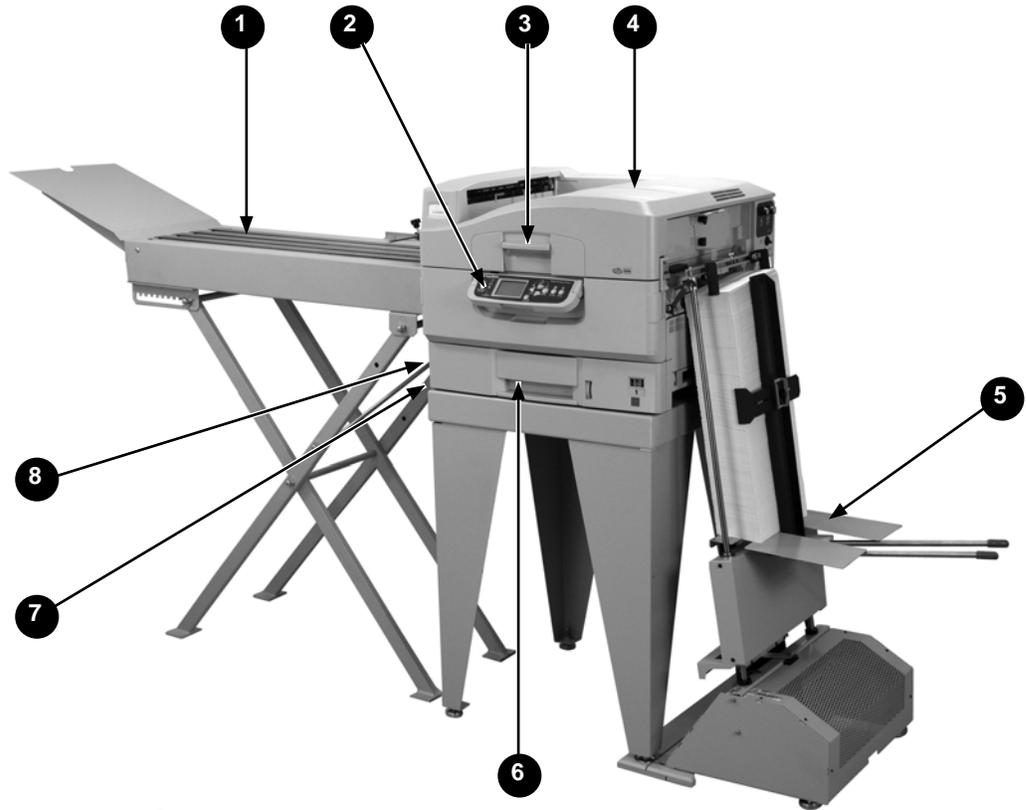
## Important notes

These instructions explain how to use the Pitney Bowes Digital Envelope printer. Please spend a few moments reading through them; understanding what the system does and how it does it will keep problems to a minimum and help you get the best performance from it.

**This printer has been developed by Pitney Bowes in partnership with Xanté Corporation. There are reference documents on the supplied CD-ROM which refer to the "Illumina" printer. All such references are equally relevant to this Pitney Bowes Digital Envelope printer.**

This guide describes all available features. The availability of the features will depend on your model, options purchased and your country requirements. Inclusion within this guide does not guarantee availability of a particular feature within your country.

**System Components**



- 1. Conveyor Stacker (face-up stacker)
- 2. Control panel
- 3. Top cover handle
- 4. Top cover (face-down stacker)
- 5. MP (Multi-purpose) tray/Envelope Feeder
- 6. Tray 1 (paper tray)
- 7. Power (On/Off) Switch
- 8. Optional Duplex Unit
- 9. Feeder Connector
- 10. Face Down Cover
- 11. Network Interface Connector

- 12. Parallel Interface Connector
- 13. Conveyor Connector
- 14. USB Interface Connector
- 15. Power Connector
- 16. LED Print Heads
- 17. Fuser Unit
- 18. Cyan (C) Imaging Drum and Toner Cartridge
- 19. Magenta (M) Imaging Drum and Toner Cartridge
- 20. Yellow (Y) Imaging Drum and Toner Cartridge
- 21. Black (K) Imaging Drum and Toner Cartridge
- 22. Drum Basket Handle

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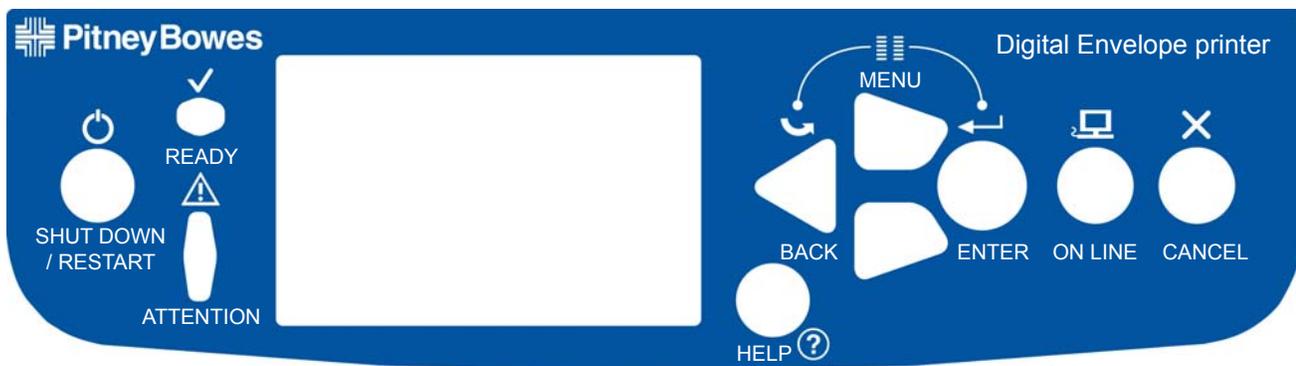
## The Control Panel

The control panel can be swiveled to 90° (maximum) upwards from its base position as required for ease of use.



## Buttons and Lights

The parts of the control panel are identified and briefly explained as follows:



### Shutdown/Restart button

Hold down for more than 2 seconds for a soft shutdown.

You can then press this button again for a restart or use the Power switch to turn off the printer completely.

### Ready light

On: indicates ready to print

Flashing: indicates processing print data

Off: indicates unable to receive data (offline)

### Attention light

Off: indicates normal operation

Flashing: indicates error(s) present but printing can continue

On: indicates error(s) present and printing cannot continue

### Display panel

Displays status and setup information for the printer and user help information in your chosen language.

## The Control Panel

### Up-arrow button

Enters menu mode and enables upward movement through the displayed list of menu items.

### Down-arrow button

Enters menu mode and enables downward movement through the displayed list of menu items.

### Back button

Returns to the previous higher level menu item.

### Enter button

Enters menu mode and selects the menu item highlighted in the display panel.

### Online button

Switches between online (printer ready to receive data) and offline (printer not ready to receive data).

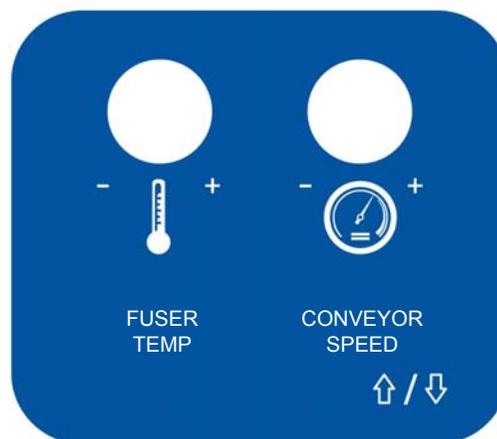
### Cancel button

Cancels current print job.

### Help button

Provides additional textual or image data to supplement what is displayed on the display panel.

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### Fuser Temp

This control adjusts the fuser temperature. It should normally be left at the mid setting. If toner is not being correctly 'fixed' to thick material, increasing the fuser temperature slightly might correct the problem.

### Conveyor Speed

This setting can normally be left at the mid position. However, for extremes of short or long material, adjusting the conveyor speed might be necessary to provide good stacking on the conveyor.

### MP Tray/Envelope Feeder up/down switch (below panel)

This switch raises and lowers the MP Tray/Envelope Feeder deck to allow material loading.

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## Trays and Stackers

### ***Display Panel Messages***

There are four types of display panel messages which are explained below. A list of messages you may see is given in Appendix A of this guide.

#### **1. Status Information**

Status information is associated with three printer states:

- In the Information state, such as idling or printing, the printer is able to process print jobs.
- In the Warning state, the printer has encountered some minor problem but is still able to process print jobs.
- In the Error state, the printer has encountered a problem and cannot continue printing until the user has intervened and removed the cause of the trouble.

The top two lines of the display panel show the printer status. The bottom of the display panel normally shows a bar chart of the toner usage.

#### **2. Menu (Functions) Information**

There are three types of menu (functions) information:

- User menus: accessed by pressing the Enter button, Up-arrow button, or Down-arrow button on the control panel. These menus are available to the general user to make various settings that are used in the running of the printer.
- Boot menu: accessed by pressing the Enter button for more than 2 seconds while turning on the printer power supply (including Restart). Available to administrator level users (default password is aaaaaa). Restricts the changes that general users can make via the user menus.
- System maintenance menu: accessed by pressing the Up-Arrow, Down Arrow, and Help buttons together for more than 2 seconds while turning on the printer power supply (including Restart). Available to support staff to allow printer configurations and special functions to be set.

#### **3. Configuration Information**

Configuration information displays printer configuration information such as internal firmware versions.

Menu options at each level can be scrolled through by moving the highlight with the Up-arrow/Down-arrow buttons and a highlighted option at that level can be selected by pressing the Enter button. When the lowest level menu has been selected, you can change the setting for that menu by selecting the required highlighted value from a list or by entering a numeric value. In other cases, you can display or print configuration information.

#### **4. Help Mode**

When an error has occurred, press the Help button. Information displays that will help you correct the error.

### The Control Panel

#### *Using the Menus*

Menu details are given in “Appendix B — Menu System” for reference.

The Enter, Up-arrow, Down-arrow and Back buttons are used to move through the printer menus. You can adjust settings (e.g. set the paper size for Tray 1) or view information (e.g. how much is left of a selected consumable).

Many of these menu settings can be, and often are, overridden by settings in the print drivers. However, several of the driver settings can be left at “printer Setting,” which will then default to the settings entered in the front panel menus.

The steps involved in using the menus are typically as follows:

1. Ensure that the display panel indicates that the printer is ready to print.
2. Enter User menu mode by pressing either the Enter button or the Up-arrow or Down-arrow button and press the latter two repeatedly until the desired menu is highlighted in the displayed list.
3. Press the Enter button to select this menu.
4. Press the Up-arrow or Down-arrow buttons repeatedly until the desired item is highlighted.
5. Press the Enter button to select this item.
6. Press the Up-arrow or Down-arrow buttons repeatedly until the desired Value is highlighted.
7. Press the Enter button to select this Value. (If you are setting a parameter, ensure that an asterisk (\*) appears beside the selected parameter Value.)
8. Press the Online button to exit menu mode and return to the ready to print status.

Refer to “Chapter 2 - Getting Started” and to “Appendix B - Menu System” for examples of using the menus.

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## Trays and Stackers

### **Tray 1**

Tray 1 is the standard blank paper input tray and can hold up to 530 sheets of 20 lb. (75 g/m<sup>2</sup>) paper.

Tray 1 can handle 20 -56 lb. (75 - 216 g/m<sup>2</sup>) paper.

If you have identical paper stock loaded in the MP Tray, you can have the printer automatically switch to that other tray when the current tray runs out of paper. This function can be enabled by driver settings when printing from a Windows application or by a menu setting when printing from other applications.

### **MP (Multi-purpose) Tray/Envelope Feeder**

The multi-purpose tray is used for media sizes not handled by the standard trays, heavier media weights and special media such as envelopes.

The multi-purpose tray can handle the same sizes as the standard trays but in weights from 20 - 102 lb. (75 - 385 g/m<sup>2</sup>). For very heavy paper stock, use the conveyor/face-up paper stacker. This ensures that the paper path through the printer is almost straight.

The multi-purpose tray can feed paper from 5-1/8" (130.2 mm) to 13" (330.2 mm) wide, and from 4-1/8" (104.8 mm) to 22" (558.8 mm) long/high.

The media should be loaded print side up and top edge into the MP Tray. Do not use the duplex (two-sided printing) function for envelopes.

### **Face-Down Stacker**

The face-down stacker on the top of the printer can hold up to 500 sheets of 22 lb. (80 g/m<sup>2</sup>) standard paper, and can handle paper stocks from 20 -56 lb. (75 – 216 g/m<sup>2</sup>). Pages printed in reading order (page 1 first) will be sorted in reading order (last page on top, facing down).

### **Conveyor/Face-Up Stacker**

The face-up stacker will eject the printed pages onto the conveyor. The



**Face down stacker**

### Trays and Stackers

number of pages is variable based on the size of the media.

This stacker can be used for any material, but always use it and the multi-purpose tray for envelope printing and paper stocks heavier than 56 lb. (216 g/m<sup>2</sup>).



Output onto the conveyor

### Optional Duplex Unit

This feature provides automatic two-sided printing on plain paper fed from Tray 1 or the MP Tray.

Applicable paper weights are 20 - 50 lb. (75 – 188 g/m<sup>2</sup>).

Applicable paper sizes are:

A6	A4LEF	B4
A5	Letter	Tabloid
B5	LetterLEF	Tabloid Extra
B5LEF	Legal 13"	A3
Executive	Legal 13.5"	A3 Wide
A4 Legal	14"	A3 Nobi

# 1 • Introduction

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## Software Supplied

Utility and Document CD:

- Contains drivers, utilities and network software.
- Contains documentation in electronic form to describe how to use the printer for day-to-day tasks.

## Paper Advice

Your printer will handle a variety of print media, including a range of paper weights and sizes, transparencies, labels and envelopes. This section provides general advice on choice of media, and explains how to use each type.

The best performance will be obtained when using standard weight 20 - 24 lb. (75– 90 g/m<sup>2</sup>) paper designed for use in copiers and laser printers/Digital Envelope printers. For example, a suitable type is HammerMill® Laser Print, Radiant White 24 lb. US Bond.

**Use of heavily embossed or very rough textured paper is not recommended.**

**Pre-printed stationery** can be used, but the ink must not offset when exposed to the high fuser temperatures used in the printing process.



Using pre-printed stationery that does not meet this criteria can cause non-warranty fuser and/or consumable damage.

**Envelopes** should be free from twist, curl or other deformations. The glue should remain intact when subjected to hot roll pressure fusing used in this type of Digital Envelope printer. Use window envelopes designed for use in copiers and laser printers.



Use of envelopes that do not meet this criteria can cause non-warranty fuser and/or consumable damage.

**Transparencies** should be of the type designed for use in copiers and laser printers/ Digital Envelope printers. In particular, avoid non heat-resistant office transparencies designed for use by hand with marker pens. These will melt in the fuser and cause damage.



Use of transparencies that do not meet this criteria can cause non-warranty fuser and/or consumable damage.

**Labels** should be of the type recommended for use in copiers and laser printers/Digital Envelope printers, in which the base carrier page is entirely covered by labels.

Other types of label stock may damage the printer due to the labels peeling off during the printing process.

Suitable types of labels are Avery White Laser Label types 7162, 7664, 7666 (A4), or 5161 (Letter)



Use of labels that do not meet this criteria can cause non-warranty fuser and/or consumable damage.

## Paper Input and Output Information

The following table gives advice on which input tray to use and which output stacker to use for a variety of common material.

Type	Size	Weight	Input/Output
Plain Paper	Letter, Legal 13, Legal 13.5, Legal 14, Executive, Tabloid, Tabloid Extra, A3, A3 Nobi, A3 Wide, A4, A5, A6, B4, B5	up to 80 lb. (216 g/m <sup>2</sup> )	Any Tray
		NOTE: 50 lb. (188 g/m <sup>2</sup> ) maximum for duplex	
		over 80 lb. (216 g/m <sup>2</sup> )	MP Tray Any Stacker
Postcard			Tray 1, MP Tray Face-up Stacker
Envelope	All sizes within printer specification		MP Tray Face-up Stacker
Labels	Letter, A4, B5		MP Tray Face-up Stacker
Transparencies Glossy Paper	Letter, A4		Any Tray Face-up Stacker

## Compliance Information

### United States

**NOTE:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause interference to radio communications. Operation of this equipment in a residential area is likely to cause interference in which case the user will be required to correct the interference at his own expense.



**CAUTION:** Changes or modifications to this equipment not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



**WARNING:** This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

### Canada

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.



It is certified that the system complies with all applicable Directives of the European Union.

For a formal Declaration of Conformity please contact Compliance Engineering. Contact information is given on a separate document supplied with your system.

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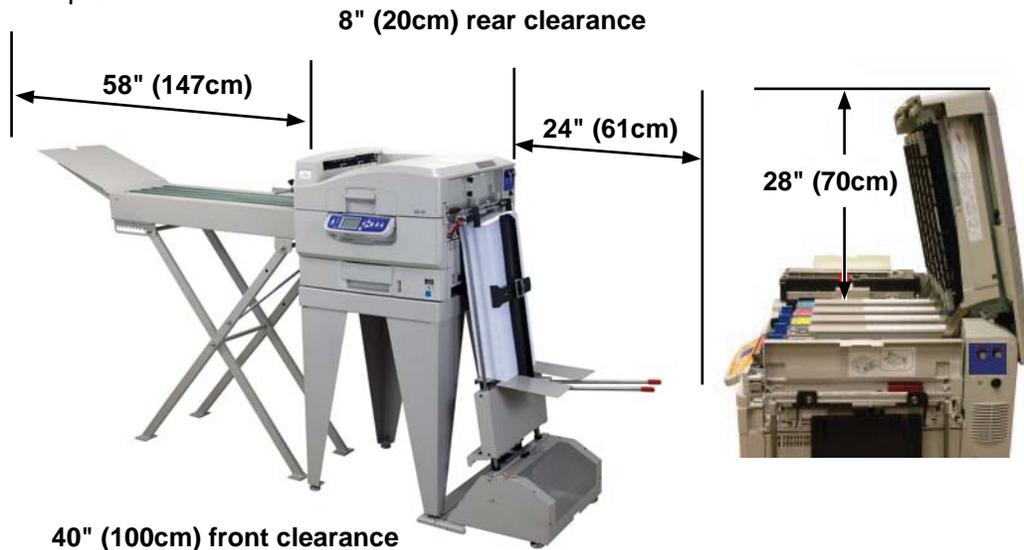
## Specifications

Item	Specification
Dimensions	91-3/4" (2330 mm) W x 24-1/2" (620 mm) D x 18-1/4" (462 mm) H (includes feeder and stacker)
Weight	approx. 159 lbs. (69 kg), printer only
Print speeds	up to 60 ppm (envelopes) up to 36 ppm color, 40 ppm monochrome paper sheet printing
Resolution	600 x 1200 dpi
Emulations	PCL 5c, PCL XL 2.1, PS, IBM PPR, Epson FX
Memory	1 GB standard
Paper input	Tray 1: 530 sheets, Letter size, 24 lb. (75 g/m <sup>2</sup> ) MP Tray (Feeder): 1000 #10 Envelopes or 5000 sheets
Paper weight	20 - 102 lb. (75 - 385 g/m <sup>2</sup> ).
Duplex	20 - 50 lb. (75 -188 g/m <sup>2</sup> )
Paper output	Face-down stacker: 500 sheets Face-up stacker: Universal Conveyor
Interfaces	Parallel, USB 2.0, 10/100/1000 BaseT
Duty cycle	150,000 pages/month maximum
Power rating	110-127Vac, 50/60Hz, 10A
Power consumption	Operating: 1,500 W maximum, 750 W typical Standby: 1,300 W maximum, 200 W typical Power save: <45 W
Operating environment	Operating: 50°F (10°C) to 90°F (32°C), 20 – 80% RH Off: 32°F (0°C) to 109°F (43°C), 10 – 90% RH
Noise level	Operating: 53 dBA maximum Standby: 40 dBA maximum Power save: 40 dBA maximum after 30 mins.

# 2 • Getting Started

**Printer Location** This chapter provides information to help you get started with using your Pitney Bowes digital envelope printer.

Check that you have sufficient space for access around and above your printer.



## Opening and Closing the Top Cover

To open the top cover, squeeze the top cover handle to release the catch and raise the cover.



**Opening Top Cover**



**Top Cover Open**

To close the top cover, push gently until the cover stops midway and then push again to close the cover completely. Ensure that the cover is securely closed but do not slam the cover.

## 2 • Getting Started

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### Turning the Printer On and Off

#### *Turning On*

If the display panel shows that you can either turn off or restart the printer, press Shutdown/Restart to turn on the printer.

If the printer is turned off (no power), use the On/Off switch to turn it on.



**On/Off Switch**

#### *Turning Off*

Hold down the Shutdown/Restart button on the control panel for at least 2 seconds to start the shutdown process.

When the display panel shows that you can either turn off or restart the printer, use the On/Off switch to turn it off.



**Shutdown/Restart**

### Changing the Display Language

English is the default language used by your printer to display messages and report printing status. If required, this can be changed using the Front Panel Language Tool located on the installation CD.

### Loading Tray 1

1. Pull out the tray.
2. Press the paper rear stopper tab and adjust the tab to the required paper size.



**Adjust Rear Stopper tab**

3. Fan the paper to be loaded then jog the stack on a flat surface to align it.
4. Load the paper (face down and top edge towards the right for letterhead paper), press the tab on the paper guide and adjust the guides for a snug fit to the paper without restricting paper feed.



**Load Paper**

To avoid paper jams:

- Do not leave space between the paper and the guides or rear stopper.
- Do not overfill the paper tray. Capacity depends on the paper type.
- Do not load damaged paper.
- Do not load paper of different sizes or types at the same time.

5. Gently push the tray back into the printer.

## 2 • Getting Started

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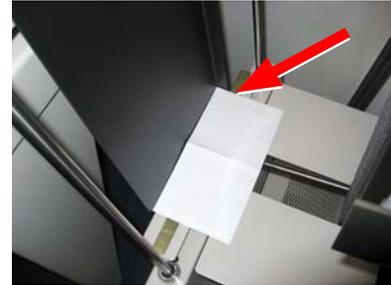
### Loading MP Tray/Envelope Feeder

1. If necessary, lower the MP tray using the up/down switch shown.



2. Fold an envelope in half. Align the center fold with the tray sensor and adjust the long side guide up to the envelope edge.

Use the lever below to set the guide.



3. Move the rear guide up to the envelope and lock the guide into position.



4. Place some envelopes onto the MP tray. Raise the envelope stack up to the feed position, using the up/down switch.
5. Loosen the thumbscrews and set the two upper side guides to control envelopes as they feed into the printer. Tighten the thumbscrews.
6. If you have a large envelope stack, the stack side guide can be set as shown to provide additional support to the stack.



### Checking the Current Settings

Carry out the following steps to generate a Configuration report (Menu Map) to confirm that your printer is correctly configured.

1. Ensure that there is paper in Tray 1 (to be used in this operation).
2. Ensure that the display panel indicates that the printer is ready to print.
3. Press the Up-arrow or Down-arrow buttons repeatedly until Print Information is highlighted.
4. Press the Enter button to select Print Information.
5. Press the Up-arrow or Down-arrow buttons repeatedly until Configuration is highlighted.
6. Press the Enter button to select Configuration.
7. Press the Enter button to execute the command and a Configuration document is printed.
8. After printing the configuration document, the printer returns to the ready to print status.
9. You can use this document to check your printer configuration. System values and installed accessories are listed at the top of the first page while status values and settings follow.

### Interfaces and Connection

Your printer is equipped with a selection of data interfaces:

- **Parallel** For direct connection to a PC. This port requires a bidirectional (IEEE 1284 compliant) parallel cable.
- **USB** For connection to a PC running Windows 98 or above (not Windows 95 upgraded to Windows 98) or Macintosh. This port requires a cable conforming to USB version 2.0 or above.

The printer may not work if a USB compatible device is connected concurrently with other USB compatible machines.

When connecting multiple printers and/or Digital Envelope Printers of the same type, they appear as \*\*\*\*\* , \*\*\*\*\* (2), \*\*\*\*\* (3), etc. These numbers depend on the order of connecting or turning on each of these devices.

- **Ethernet** For network cable connection.



Interface cables are not supplied with your printer.

#### Connecting the Parallel Interface

1. Turn off the printer and the computer.
2. Connect a parallel cable between the printer and computer.
3. Turn on the printer and then the computer.



**Parallel Interface Connector**

## 2 • Getting Started

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### Interfaces and Connection

#### **Connecting the USB Interface**

Do not connect the USB cable at this time. You will be instructed when to connect the USB cable when you install the driver from the supplied CD.

If you are connecting your printer directly to a stand alone computer proceed to the relevant section within “Windows Installation” section of this guide.

#### **Connecting the Network Interface**

1. Turn off the printer and the computer.
2. Connect an Ethernet cable between the printer and an Ethernet hub.
3. Turn on the printer and then the computer. If your printer is to be installed as a network device, please refer to the relevant section in the Software Installation Guide and/or the Network and Configuration Guide on the supplied CD for further details on how to configure the network connection before installing the drivers for the printer.



Administrator's authority is required when installing a network connection.



**Ethernet Connection**

### Assigning an IP Address to your printer

If you are not using Dynamic Host Configuration Protocol (DHCP), you need to obtain an IP Address from your network Administrator and enter it using the printer control panel:

1. Confirm that the printer displays 'Ready To Print'.
2. Press the Down-arrow button until 'Admin Setup' displays. Press Enter.
3. Enter the password. Press either the Down-arrow or Up-arrow button to enter the first figure of the password. Press Enter to proceed to the next figure.  
The default password is aaaaaa.  
(Hold down the key more than two seconds to fast forward.)
4. Press Enter again after completing the password.
5. Press the Up-arrow button until 'Network Setup' displays. Press Enter.
6. Press the Down-arrow button until 'IP Address' displays. Press Enter.
7. Press either the Down-arrow or Up-arrow button to set the first figure of the IP address. Press Enter to proceed to the next section of numbers.
8. Repeat step 7 to set all digits.
9. Press the Back button and repeat the above process to set the 'Subnet Mask' and 'Gateway Address'.
10. When complete, press Online until 'Ready To Print' displays.

### Windows Installation

#### ***Important note about the Windows Drivers***

If, during this driver installation, your system indicates that the drivers are not signed and asks if you wish to continue, press OK. If your system is set to not install unsigned drivers, contact your system administrator.

#### ***Choosing which Windows Driver to Install***

Select a driver appropriate for your application:

##### **PostScript Printer Driver**

If you use PostScript fonts, or you will be printing PostScript graphics, choose this driver. Performance is faster and graphics print at their best quality.

##### **PCL Printer Driver**

If you use TrueType fonts and you do not print PostScript (including “.eps” files) graphics, choose this driver. This is more efficient and gives good results.

You can install both drivers and use either one depending on your application. However, each driver must be installed individually.

## 2 • Getting Started

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### Windows Installation

#### ***TCP/IP Driver Installation***

1. Make sure the Ethernet cable is connected and your printer is turned ON.
2. Insert the supplied CD into your CD-ROM drive. The CD will autorun. If it does not autorun, 'explore' the CD and double click 'setup.htm' to launch the CD menu.
3. Click either the 'Windows 32-Bit Drivers' or the 'Windows 64-Bit Drivers' button, as required.
4. Follow the on-screen instructions to copy the drivers to a folder on your PC (default folder c:\PitneyBowes\_dr).
5. Exit the CD menu.
6. On your PC, select [Start] → [Printers and Faxes] then select [Add a Printer].
7. Select [Local Printer]. Click [Next].
8. Select [Create a New Port] and, from the drop down menu, [Standard TCP/IP Port]. Click [Next].
9. The TCP/IP Connection wizard will appear. Click [Next].
10. Enter the printer's IP address and port name. Click [Next], then [Finish].
11. At the Install Printer screen, select 'Have Disk'. Browse to the PitneyBowes\_dr folder, and to the actual driver you want (PS, PCL or PCL6). Click [Next].
12. Follow the on-screen instructions to complete the installation.

#### ***Using the LPR Utility to Discover the printer***

In order to send documents to the printer, the LPR utility must be installed.

You must manually load the LPR Utility from the Menu Installer on the supplied CD.

Insert the supplied CD into your CD-ROM drive. The CD will autorun. If it does not autorun, 'explore' the CD and double click 'setup.htm' to launch the CD menu.

Click the 'LPR Utility' button, choose 'Run' and the utility will install.

To discover the printer, do the following:

1. Click [Start] → [Programs] → [Xanté] → [Xanté LPR Utility].
2. Click [Remote Print]. Then, click [Add Printer].
3. Select your printer from the drop down list.
4. Enter the IP Address manually or click [Discover] and wait for the printer to be discovered.
5. Click [OK].

### Windows Installation

#### ***USB Driver Install***

The installation procedure may vary slightly depending on the operating system you are using. Drivers are provided for Windows 7/Vista/XP/2000/Me/98.

1. Insert the supplied CD into your CD-ROM drive. The CD will autorun. If it does not autorun, 'explore' the CD and double click 'setup.htm' to launch the CD menu.
2. Click either the 'Windows 32-Bit Drivers' or the 'Windows 64-Bit Drivers' button, as required.
3. Follow the on-screen instructions to copy the drivers to a folder on your PC (default folder c:\PitneyBowes\_dr).
4. Exit the CD menu.
5. Make sure the USB cable is connected and turn your printer ON.
6. The "New Hardware Found" Wizard displays. At the Install Printer screen, select 'Have Disk'. Browse to the PitneyBowes\_dr folder, and to the actual driver you want (PS, PCL or PCL6).
7. Follow the on-screen instructions to complete the installation.

#### ***Print a Test Page***

1. Click [Start] → [Settings] → [Printers].
2. Right click the printer icon and go to [Properties].
3. Click the [General Tab] and click the [Print Test Page] button.
4. Click [OK] to close the Properties window.

## 2 • Getting Started

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### Windows Installation

#### ***Parallel (LPT1) Driver Install***

The installation procedure may vary slightly depending on the operating system you are using. Drivers are provided for Windows 7/Vista/XP/2000/Me/98.

1. Make sure the parallel cable is connected and that your printer is turned OFF.
2. Insert the supplied CD into your CD-ROM drive. The CD will autorun. If it does not autorun, 'explore' the CD and double click 'setup.htm' to launch the CD menu.
3. Click either the 'Windows 32-Bit Drivers' or the 'Windows 64-Bit Drivers' button, as required.
4. Follow the on-screen instructions to copy the drivers to a folder on your PC (default folder c:\PitneyBowes\_dr).
5. Exit the CD menu.
6. On your PC, select [Start] → [Printers and Faxes] then select [Add a Printer].
7. Select [Local Printer]. Click [Next].
8. Select [LPT1]. Click [Next].
9. At the Install Printer screen, select 'Have Disk'. Browse to the PitneyBowes\_dr folder, and to the actual driver you want (PS, PCL or PCL6). Click [Next].
10. If prompted, type a name for your printer. Click [Next].
11. If prompted, select "Do not share this printer." Click [Next].
12. Follow the on-screen instructions to complete the installation. Click [Finish].
13. Switch the printer ON.

#### ***Print a Test Page***

1. Click [Start] → [Settings] → [Printers].
2. Right click the printer icon and go to [Properties].
3. Click the [General Tab] and click the [Print Test Page] button.
4. Click [OK] to close the Properties window.

### Macintosh Installation

If you use an Apple Macintosh and require drivers and utilities, please contact your machine supplier. Contact details are given on a separate document supplied with your system

### Activating Optional Hardware

If your printer has optional components (i.e., Duplexer or additional RAM), they must be activated before they can be used.

#### **Windows**

1. Click [Start] → [Settings] → [Printers].
2. Right click the printer icon and go to [Properties].
3. **Windows 2000 / XP / NT / Vista / 7** - Click the [Device Settings Tab] and scroll down to [Installable Options].  
**Windows Me / 98** - Click the [Device Options Tab] and go to [Installable Options] section.
4. Highlight and select installed options from the drop down menu.
5. Click [OK] to close the Properties window.
6. Options will now be available from within your applications.

#### **Mac OS 9**

1. Select [Chooser] from the Apple drop-down menu.
2. Highlight the AdobePS icon and your printer. Click [Setup].
3. Select [Configure] and select installed options from the drop down menu.
4. Close [Chooser] and options will be available from within your applications.

#### **Mac OS X**

Installable options configuration is only available on OS X 10.2 and above.

1. Open [Printer Setup Utility].
2. Highlight the printer and click [Show Info].
3. Click on [Name & Location] and select [Installable Options].
4. Highlight and select installed options from the drop down menu.
5. Click [Apply Changes] and close the [Printer Setup Utility].
6. Options will now be available from within your applications.

## 2 • Getting Started

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### Setting Default Software Options

This section details how to access the software options from each operating system. For specific information on the individual software options see the Printing Guide on the supplied CD.

#### **Windows**

1. Click [Start] → [Settings] → [Printers].
2. Right click the printer icon and go to [Properties].
3. **Windows 2000 / XP / NT / Vista / 7** - Click the [General Tab] and click the [Printing Preferences] button. Choose your default settings on the [Layout], [Paper/Quality], [Job Option], and [Color] Tabs and [Advanced] buttons.  
**Windows Me / 98** - Click the [Device Options Tab] and go to [Printer Features] section. Highlight and select installed options from the drop down menu.
4. Click [OK] to close the Properties window. The settings can be changed on a per-job basis from [Properties] in the application print window.

#### **Mac OS 9**

1. From your application, click [File] → [Print].
2. Select [General] and scroll down the list of available options.
3. Click [Save Settings] to set the default options.

#### **Mac OS X**

1. From your application, click [File] → [Print].
2. Select [General] and scroll down the list of available options.
3. Click “Presets” and scroll to [Save As] to save the default options.

### Installing Additional Utilities

#### **Windows**

In the supplied CD Menu Installer you can install additional Network and Productivity Software. For more information on these utilities see the Utilities Guide on the CD.

To install Network Utilities, select [Custom Install] → [Network Software]. Select [Administration Tools] to install network management tools or [Installation/Config] to install utilities for network printing, installation and configuration.

To install Productivity Software, select [Custom Install] → [Productivity Software] to install color and storage device management software.

#### **Macintosh**

If you use an Apple Macintosh and require drivers and utilities, please contact your machine supplier. Contact details are given on a separate document supplied with your system

### Media Selection When Printing

When printing, you should follow these settings within the print driver depending on media weight/specification.

Light	20 lb. (75 g/m <sup>2</sup> )
Medium Light	20 lb. (75 g/m <sup>2</sup> ) – 24 lb. (90 g/m <sup>2</sup> )
Medium	24 lb. (90 g/m <sup>2</sup> ) – 28 lb. (105 g/m <sup>2</sup> )
Medium Heavy	28 lb. (105 g/m <sup>2</sup> ) – 30 lb. (110 g/m <sup>2</sup> )
Heavy	30 lb. (110 g/m <sup>2</sup> ) – 34 lb. (128 g/m <sup>2</sup> )
Ultra Heavy 1	36 lb. (132 g/m <sup>2</sup> ) – 50 lb. (188 g/m <sup>2</sup> )
Ultra Heavy 2	52 lb. (192 g/m <sup>2</sup> ) – 58 lb. (218 g/m <sup>2</sup> )
Ultra Heavy 3/4	60 Lb. (222 g/m <sup>2</sup> ) – 102 lb. (385 g/m <sup>2</sup> )

**NOTE:** The correct media type must be selected along with the correct media weight in order to ensure the best print quality. Pitney Bowes recommends setting your tray default for media type and weight to be what you will print, on from that paper source, most of the time.

## **2 • Getting Started**

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# 3 • Consumables and Maintenance

This section explains how to replace consumable and maintenance items when due.

## Checking Usage

At any time, you can check how much of each consumable/maintenance item is left by using the appropriate menus. For example, enter the menu system and follow the path:

[Configuration ] - [Supplies Life:] - [Cyan Toner]

The percentage of Cyan Toner remaining is displayed on the display panel and the printer then returns to the ready to print status.

## Replacement Indications

The display panel provides messages to the effect that consumables/ maintenance items are running low or nearing end of life followed some time later by a message that replacement is required. You should replace the item as soon as possible after this message is displayed to avoid the possibility of print quality being compromised.

## Ordering Consumable Items

The following consumable items are available for your printer:

Item	Supply Line Number
Toner - Black	43D-1
Toner - Cyan	43D-2
Toner - Magenta	43D-3
Toner - Yellow	43D-4
Image Drum - Black	43D-5
Image Drum - Cyan	43D-6
Image Drum - Magenta	43D-7
Image Drum - Yellow	43D-8
Fuser Unit	43D-0
Transfer Belt Unit	43D-9
Waste Toner Box	43D-A

Order consumables from your local Pitney Bowes Supply Line. Contact details are given in the separate 'contact sheet' supplied with your product. Quote the model **Pitney Bowes Digital Envelope Printer** when ordering supplies.

## 3 • Consumables and Maintenance

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### Replacing Consumables



Use only genuine Pitney Bowes consumables to ensure the best quality and performance from your printer. Non-Pitney Bowes products may reduce your printer's performance and void your warranty. Specifications subject to change without notice. All trademarks acknowledged.

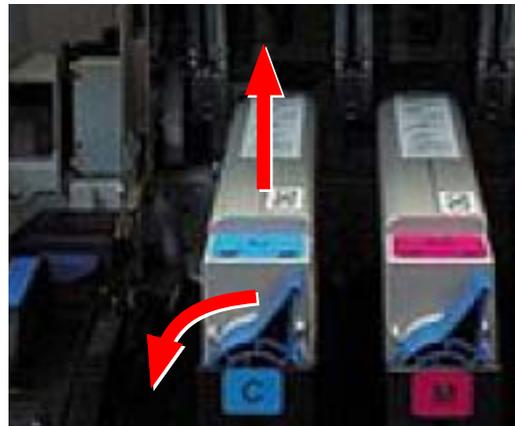


**Always turn power to the printer OFF before changing consumables. This ensures that the new consumables are correctly recognized by the printer.**

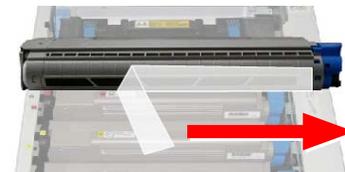
### Installing a Replacement Toner Cartridge

1. Switch off the printer as described on page 2-2 and open the top cover.
2. If you are changing more than one toner cartridge, note their positions, as they must go back in the same location.

3. The toner cartridge locates on top of the image drum and has a locking lever at the front. Move the toner locking lever counter-clockwise to unlock the toner cartridge from the image drum and seal its base so that toner does not escape. Pull the cartridge upwards to free it from the image drum so that it can be removed.



4. Shake the new toner cartridge back and forth several times. Then, holding the toner cartridge horizontally, remove the sealing tape.



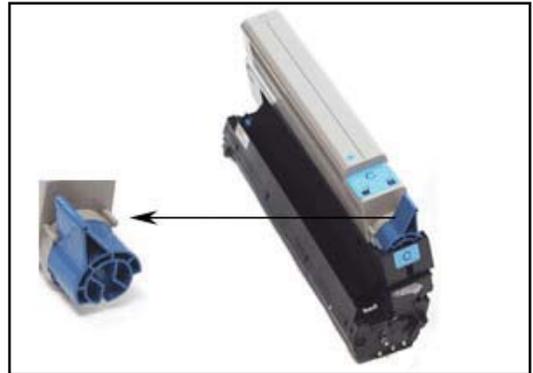
5. Make sure the colors of the toner cartridge and image drum correspond. Lower the back end of the toner cartridge into the image drum first, then gently push the front of the cartridge down into place. Turn the lock lever clockwise until it stops, this will release the toner into the image drum and lock it in place.
6. Close the top cover and turn the printer on.

### Installing a Replacement Image Drum

1. Switch off the printer as described on page 2-2 and open the top cover.
2. When replacing an image drum, it is best to first remove the relevant drum and toner cartridge as a unit before separating them. This method ensures that the possibility of toner spillage into the printer is minimized.
3. Place a spare piece of paper onto the desk to protect it from any toner spillage.
4. Lift the required image drum and toner cartridge assembly from the printer.



5. Turn the latch on the toner cartridge counter-clockwise and lift the cartridge clear of the drum. Place the cartridge to one side for reinstalling later.
6. Recycle or discard the old image drum in accordance with local requirements.



7. Make sure the new drum is the correct color and remove from its bag.
8. **Remove the protective sheet and all other packaging from the drum.**
9. Lower the back end of the toner cartridge into the image drum first, then gently push the front of the cartridge down into place. Turn the toner latch clockwise to lock the cartridge into position.



10. Holding the image drum/toner cartridge unit directly above its correct position in the printer, lower the unit into the printer, making sure that it is correctly aligned. When aligned correctly, it will easily fit into position without any additional pressure.
11. Close the top cover and turn the printer on.

## 3 • Consumables and Maintenance

### Installing a Replacement Fuser

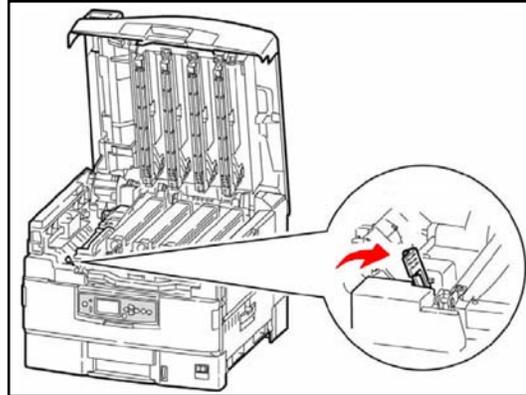
1. Switch off the printer as described on page 2-2 and open the top cover.



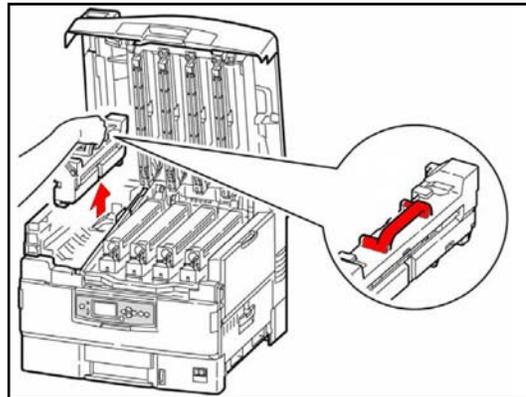
#### Caution

The fuser is very HOT after the printer has been printing. Let it cool before replacing it.

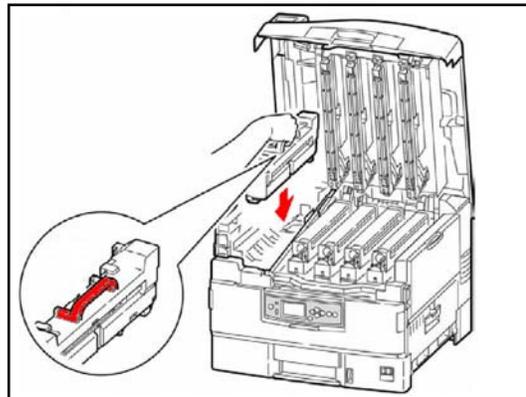
2. Turn the fuser lock lever to the right to unlock the fuser.



3. Grasp the fuser handle and lift the fuser out of the printer. Dispose of it in accordance with local regulations.

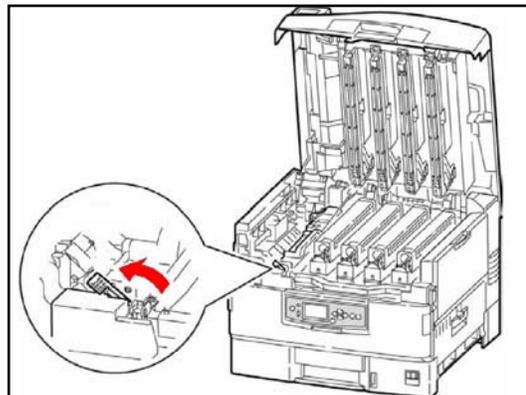


4. Unpack the new fuser and lower it into the printer.



5. Turn the lock lever to the left to lock the fuser in place.

6. Close the top cover and turn the printer on.



### Installing a Replacement Transfer Belt

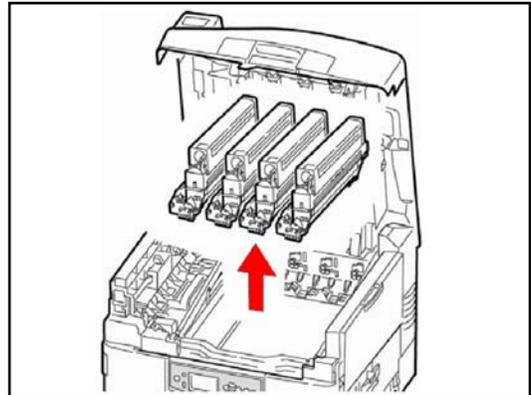
1. Switch off the printer as described on page 2-2 and open the top cover.



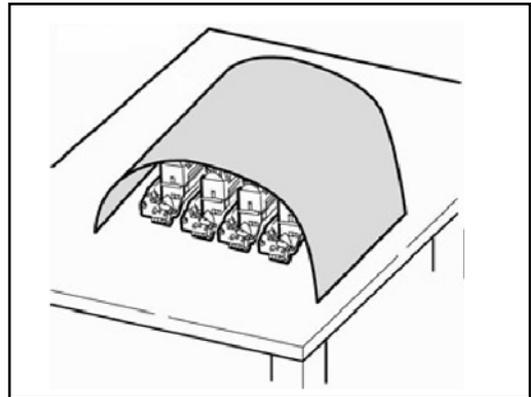
#### Caution

The fuser is very HOT after the printer has been printing. Be careful not to touch it.

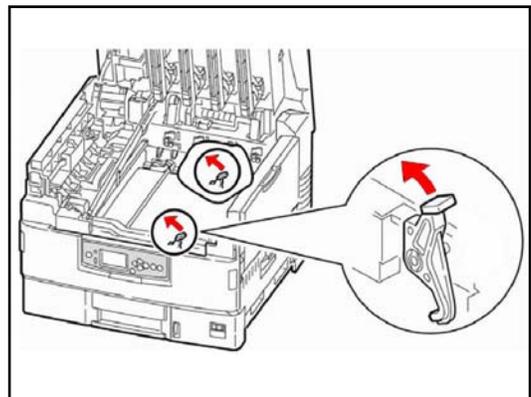
2. Remove the four image drums/toner cartridge units and place them on a flat surface.



3. Cover them with dark paper or plastic to protect them from light.



4. Lift the transfer belt latches to release them.

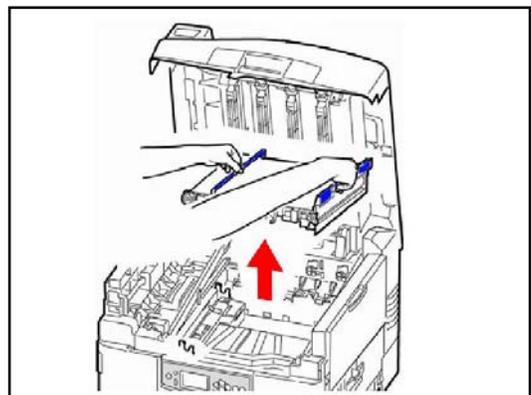


5. Grasp the blue handles and lift the transfer belt out. Dispose of it in accordance with local regulations.



#### Warning

Do not incinerate the used transfer belt. It may explode and cause a fire hazard.

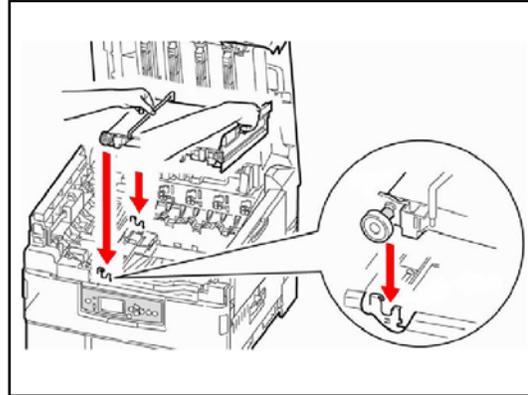


## 3 • Consumables and Maintenance

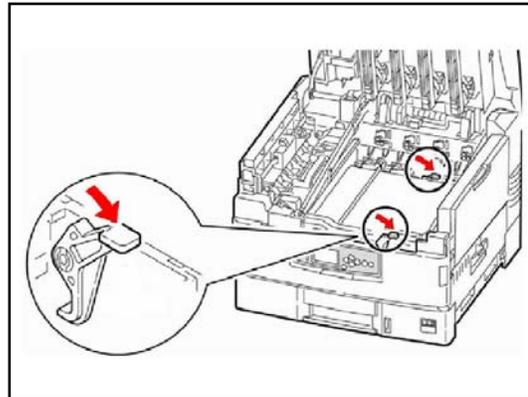
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### Installing a Replacement Transfer Belt

6. Unpack the new transfer belt. Grasp the blue handles and lower the left side of the belt into the printer, installing the pins into the guides at the front and back, then lower the right side.



7. Push down on the belt latches to lock the new belt in place.



8. Put the image drum/toner cartridge units back into the printer. Holding each unit directly above its correct position in the printer, lower it into the printer, making sure that it is correctly aligned. When aligned correctly, it will easily fit into position without any additional pressure.
9. Close the top cover and turn the printer on.

## 3 • Consumables and Maintenance

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### Cleaning the LED heads

You are advised to clean the LED heads:

- Any time you replace a toner cartridge (a LED lens cleaner is enclosed with each replacement toner cartridge).
- If printing is showing signs of faded images, white stripes or blurred letters.

You can use an LED lens cleaner or dry, soft cloth for cleaning the LED heads.

1. Open the top cover
2. With an LED lens cleaner or soft cloth, gently wipe each of the four heads.

Move the cleaner as shown, using a clean section of the cleaner with each pass. Be careful not to damage the guards.



3. Close the top cover.



### Cleaning the printer Casing

1. Follow the correct steps to turn the printer off.
2. Wipe the printer surface with a soft cloth moistened sparingly with water or neutral detergent.
3. Use a soft, dry cloth to dry the printer surface.
4. Turn on the printer.

## 3 • Consumables and Maintenance

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### Cleaning the Paper Feed Rollers

Clean the paper feed rollers if paper jams frequently occur.

1. Remove items like a wrist watch or bracelet and follow the correct steps to turn the printer off.
2. Move the Envelope Feeder away from the printer.
3. Open Tray 1 side cover and pull out the paper guide plate.



4. Remove Tray 1 completely from the printer.



5. Gaining access through the gap left by Tray 1, wipe the 3 paper feed rollers with a soft cloth lightly moistened with water.



6. Refit Tray 1.
7. Return the paper guide plate to its original position, close Tray 1 side cover and relocate the Envelope Feeder.
8. Turn on the printer.

# 4 • Troubleshooting

This chapter covers dealing with issues that may arise when using the printer. The following paragraphs describe actions to take in the event of a paper stoppage and how to deal with unsatisfactory print results.

Display panel messages about paper stoppages and relevant actions are given in this section; a list of other typical messages and suggested responses is given in “Appendix A – Display Panel Messages.”

## Paper Stoppages

If a paper stoppage occurs, a message appears on the display panel. You can press the Help button to display guidance on how to clear the stoppage. For full details of clearing stoppages, refer to the following paragraphs, which correspond to the paper stoppage messages.

### ***Tray 1 Side Cover***

Clearing a paper stoppage when printing from Tray 1.

1. Move the Envelope Feeder away from the printer.
2. Squeeze the catch on Tray 1 side cover and open the cover.
3. Holding it by the tab, turn the paper guide outward.
4. Carefully remove the stuck paper.
5. Put the paper guide back into position and close Tray 1 side cover.
6. Reposition the Envelope Feeder.



## 4 • Troubleshooting

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### Paper Stoppages

#### ***MP Tray Side Cover***

1. Move the Envelope Feeder away from the printer.
2. Pull the release lever and pull open the side cover.
3. Carefully remove the stuck paper.
4. Close the side cover.
5. Reposition the Envelope Feeder.



#### ***Top Cover***

1. Squeeze the top cover handle and open the top cover.



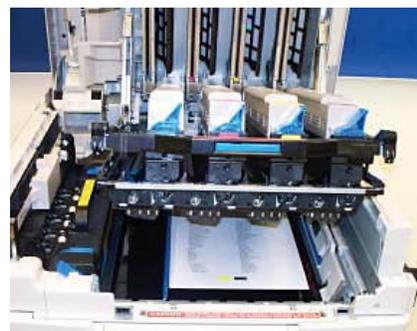
Be careful not to touch the fuser unit because it is hot after printing.



2. Squeeze the basket handle and raise the drum basket.



3. Carefully remove any paper on the belt.



### Paper Stoppages

4. If paper is stuck in the fuser unit, push the lock lever in the direction shown to release the unit.



Be careful not to touch the fuser unit which may be hot after printing. If the fuser unit is hot, wait until it cools before attempting to remove any stuck paper. Holding the fuser unit by the handle, lift it out of the printer and place it on a flat surface.

5. Pull up the stoppage release levers and remove the stuck paper.



6. Carefully refit the fuser unit into the printer and turn the lock lever to complete the fuser install.
7. If paper is stuck near the paper exit, slide the Conveyor away from the printer.
8. Open the printer top cover and release the fuser pressure latches.



9. Move the conveyor away from the printer.
10. Open the side cover (paper exit) and remove the stuck paper.
11. Close the side cover (paper exit).
12. Return the image drum basket into position and check that it is locked.
13. Close the top cover and ensure it is latched.
14. Relocate the conveyor.



## 4 • Troubleshooting

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### Paper Stoppages

#### ***Check Duplex Unit, Paper Jam***

1. Move the conveyor away from the printer.
2. Operate the duplex cover release button and open the cover.
3. Carefully remove any stuck paper.



4. Operate the levers and pull out the duplex unit.



5. Holding the front top cover by the grip, push it gently inwards and raise it.
6. Remove any stuck paper.



7. In similar manner, check for and clear any paper stuck under the rear top cover.



8. Refit the two top covers.
9. Raise the front cover of the duplex unit.
10. Refit the duplex unit back into position.
11. Relocate the conveyor.

### Avoiding Paper Stoppages

The following table summarizes possible causes of paper stoppages and suggests ways of avoiding them.

Possible Cause	Suggested Remedy
The printer is not level.	Place the printer on a steady, level surface.
Your paper is too light or too heavy.	Use appropriate media.
Your paper is damp or charged with static electricity.	Use paper that has been stored in appropriate temperature and humidity conditions.
Your paper is creased or curled.	Use appropriate paper. Decurled paper can be used.
Your paper sheets are not aligned with each other.	Remove the sheets, jog them into alignment and reload them.
Your paper is not aligned properly in the paper tray.	Adjust the paper stop and paper guides of the tray, or the guides on the Envelope Feeder to align the paper properly.
Your envelopes to be printed are not oriented properly.	Adjust the orientation as required.
Your printer feed roller is dirty.	Wipe the roller with a cloth moistened with water.
Your printer feed rollers are wearing out.	Replace the feed rollers.
The media weight or type have been set incorrectly.	Select the correct printer menu settings for [Media Weight] and [Media Type].

## 4 • Troubleshooting

### Unsatisfactory Printing

Symptoms	Possible Cause	Suggested Remedy
Vertical white lines in the direction of feed can be seen on the printed page.	The LED head is dirty.	Wipe the LED head with a LED lens cleaner or with a soft cloth.
	The toner is low.	Replace the toner cartridge.
	Foreign materials may be present inside or on the image drum.	Replace the image drum cartridge.
	Light-shielding film of the image drum cartridge is dirty.	Wipe the film with a LED lens cleaner or with a soft cloth.
Printed images are fading vertically.	The LED head is dirty.	Wipe the LED head with a LED lens cleaner or with a soft cloth.
	The toner is low.	Replace the toner cartridge.
	The paper is not suitable for the printer.	Use recommended paper.
Printing is light.	The toner cartridge is not properly seated.	Reinstall the toner cartridge.
	The toner is low.	Replace the toner cartridge.
	The paper is moist.	Use paper stored in proper temperature and humidity conditions.
	The paper is not suitable for the printer.	Use recommended paper.
	Thickness and type of paper are inappropriate.	Set a proper value for [Media Weight] and [Media Type] in the menu setup, or set one value thicker for [Media Weight].
	Recycled paper is being used.	Set one value thicker for [Media Weight] in the menu setup.
Partially faded images. White spots and lines appear in solid printing.	Paper is moist or dry.	Use paper stored in proper temperature and humidity conditions.
Vertical lines appear.	The image drum cartridge is damaged.	Replace the image drum cartridge.
	The toner is low.	Replace the toner cartridge.

### Unsatisfactory Printing

Symptoms	Possible Cause	Suggested Remedy
Horizontal lines and spots appear periodically.	When the interval is about 3-3/4" (94 mm), the image drum (the green tube) is damaged or dirty.	Wipe it lightly with a soft cloth. Replace the image drum cartridge when it is damaged.
	When the interval is about 1-5/8" (42 mm), there may be foreign particles in the image drum cartridge.	Open/close the top cover, and print again.
	When the interval is about 3-7/16" (87 mm), the fuser unit is damaged.	Replace the fuser unit.
	The image drum cartridge has been exposed to light.	Replace the image drum cartridge if the problem is not resolved.
White area of paper is lightly stained.	Paper contains static.	Use paper stored in proper temperature and humidity conditions.
	Paper is too thick.	Use thinner paper.
	The toner is low.	Replace the toner cartridge.
Periphery of the letters is smudged.	The LED head is dirty.	Wipe the head with LED lens cleaner or with a soft cloth.
Toner comes off when it is rubbed.	The thickness and type of the paper are incorrectly set.	Set the correct value of [Media Type] and [Media Weight] in the menu setup or set one value thicker for [Media Weight].
	Recycled paper is used	
Glossiness is not uniform.	The thickness and type of the paper are incorrectly set.	Set the correct value of [Media Type] and [Media Weight] in the menu setup or set one value lighter for [Media Weight].

## **4 • Troubleshooting**

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# Appendix A • Display Panel Messages

## Messages

Message	Comment
Ready to Print	Your printer is online and ready to print.
Printing Tray 1	Your printer is printing and paper is currently being fed from Tray 1.
Tray 1 Near End	The paper supply in the Tray 1 will run out soon.
X Toner Low	The remaining toner of color X is running low.
Fuser Unit Near Life	The fuser unit is nearing the end of its working life.
Change Fuser Unit	The fuser unit has reached the end of its working life and has to be changed.
Invalid Data Press ONLINE Button	Invalid data has been received by the printer. Press the ONLINE button to clear this warning.
Change Paper in Tray 1 Size X Type X Press ONLINE button <i>Please see HELP for details</i>	<p>There is a mismatch between the media in the tray and print data.</p> <p>Load media of size X and type X into Tray 1. The message may remain for some time after you have closed the tray.</p> <p>You can have the printer ignore this error for the current print job by pressing the ONLINE button.</p> <p>You can access help details by pressing the HELP button.</p>
Install Paper Tray 1 Size X <i>Please see HELP for details</i>	<p>The printer has tried to take paper from an empty tray.</p> <p>Load media of size X into Tray 1. The message may remain for some time after you have closed the tray.</p> <p>You can access help details by pressing the HELP button.</p>

## Appendix A • Display Panel Messages

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### Messages

Message	Comment
Install Tray 1	The printer has tried to take paper from a tray that has been removed. Ensure that Tray 1 is correctly located or put Tray 1 loaded with paper back into the printer.
Open Cover Paper Remains Tray 1 <i>Please see HELP for details</i>	Additional paper has been detected after a paper stoppage has been cleared. Open Tray 1 side cover to check for additional paper. You can access help details by pressing the HELP button.
Check Image Drum X <i>Please see HELP for details</i>	Check that the image drum of color X is correctly installed. You can access help details by pressing the HELP button.

In the display panel messages, the "X"s are replaced by appropriate specific information such as the specific tray number, toner color, or media size.

# Appendix B • Menu System

**Menu Structure** The top-level Functions menus are:

- Configuration
- Print Information
- Print Secure Job
- Menus
- Admin Setup
- Calibration
- Print Statistics

The two other special top-level menus are:

- Boot Menu
- System Maintenance

The following tables summarize the Configuration, Print Information, Print Secure Job and Menus menu trees and provide some usage examples. The menu trees are given to the lowest menu item level. Typically, this can be a parameter that can be set by selecting from a range of values provided or a command that can be executed to display or print a status or setting value.

Bold values followed by an (A) denote default values associated with locations where A4 is default paper size. Bold values followed by an (L) denote default values associated with locations where Letter is default paper size. Bold values followed by neither (A) nor (L) denote common defaults.

Certain menus and items associated with an optional feature (for example, an optional tray) appear only if the associated hardware is installed or under certain conditions.

The remainder of the menus above are intended for more specialized usage and are not described further here. For full details of using all menus to configure and use the printer, refer to the "Network and Configuration Guide".

## Appendix B • Menu System

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### Configuration *Page Count*

Item	Value	Description
Color Page	nnnnnn	Displays number of color printed pages converted to Letter equivalent.
Monochrome Page	nnnnnn	Displays number of monochrome printed pages converted to Letter equivalent.
Tray 1	nnnnnn	Displays total printed pages from Tray 1.
MP Tray	nnnnnn	Displays total printed pages from MP tray.

### *Supplies Life*

Item	Value	Description
xxxx Drum	Remaining nnn%	Displays the remaining life span of the xxxx drum as a percentage where xxxx can be Cyan, Magenta, Yellow, Black.
Belt	Remaining nnn%	Displays the remaining life span of the belt unit as a percentage.
Fuser	Remaining nnn%	Displays the remaining life span of the fuser unit as a percentage.
xxxx Toner (n.nK)	Remaining nnn%	Displays the remaining life span of xxxx toner as a percentage, where xxxx can be Cyan, Magenta, Yellow, Black.  (n.nK) indicates the capacity of the toner cartridge being used.

### Configuration *Network - 10/100 Base T*

Item	Value	Description
Printer Name	xxxxxxxxxxxxxxxx xxxxxxxxxxxxxxxx	Displays printer name (DNS or PnP) in wired network.
Short Printer Name	xxxxxxxxxxxxxxxx	Displays printer name (NetBEUI) in wired network.
IP Address	xxx.xxx.xxx.xxx	Displays IP address.
Subnet Mask	xxx.xxx.xxx.xxx	Displays subnet mask.
Gateway Address	xxx.xxx.xxx.xxx	Displays gateway address.
MAC Address	xx.xx.xx.xx.xx.xx	Displays the network MAC address.
Network FW Version	xx.xx	Displays the network firmware version.
Web Remote Version	xx.xx	Indicates the network web page version.

### *Paper Size in Tray*

Item	Value	Description
Tray 1	Executive Letter Short Edge Letter Long Edge Legal 14 Legal 13.5 Tabloid Tabloid Extra Legal 13 A6 A5 A4 Short Edge A4 Long Edge A3 A3 Nobi A3 Wide B5 Short Edge B5 Long Edge B4 Postcard Double Postcard Custom	Displays detected paper size of Tray 1.
MP Tray	Similar to values for Tray 1	Displays detected paper size of the MP Tray.

## Appendix B • Menu System

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### Configuration System

Item	Value	Description
Serial Number	xxxxxxxxxxxxxxxx	Displays the printer serial number
Asset Number	xxxxxxx	Displays Asset Number. Asset Number is 8 alphanumeric characters that can be assigned by a user. Same as Asset Number of Menu Map.
CU Version	xx.xx	Displays the CU (Control Unit) firmware version. Same as CU version of Menu Map.
PU Version	xx.xx.xx	Displays the PU (Print Unit) firmware version. Same as PU version of Menu Map.
Total Memory	xx MB	Displays total RAM installed in the printer. Same as Total Memory of Menu Map.
Flash Memory	xx MB [Fxx]	Displays total flash memory installed in the printer and version. Same as Flash Memory of Menu Map.
HDD	xx.xx GB [Fxx]	Displays size of hard disk and file system version. Same as HDD of Menu Map.

#### Configuration Example - Monochrome Pages Printed

To display the total monochrome pages printed so far (remembering that a duplex page counts as two pages):

1. Ensure that the display panel indicates that the printer is ready to print.
2. Enter menu mode by pressing either the Up-arrow or Down-arrow button and press them repeatedly until the Configuration menu is highlighted.
3. Press the Enter button to select this menu.
4. Press the Up-arrow or Down-arrow buttons repeatedly until Print Page Count is highlighted.
5. Press the Enter button to select this Item.
6. Press the Up-arrow or Down-arrow buttons repeatedly until Monochrome Page is highlighted.
7. Press the Enter button and the monochrome page count is displayed.
8. Press the Online button to exit menu mode and return to the ready to print status.

### Print Information

Item	Value			Description
Configuration	Execute			Prints printer configuration details.
Network	10/100 BaseT	Print Summary	Execute	Prints summary information about the wired network.
		Print Information	Execute	Prints full information about the wired network.
File List	Execute			Prints a list of jobs stored on the Hard Disk.
PS Font List	Execute			Prints PostScript font list.
PCL Font List	Execute			Prints PCL emulation font list.
Usage Report	Execute			Prints all of Job Log.
Error Log	Execute			Prints the error log.
Color Profile List	Execute			Prints a color profile list.

### Print Secure Job (optional HDD)

Item	Value	Description
Enter Password	xxxx	Enter a password to use secure printing.
Not Found		<p>Use a secure printing job (Secure Job) or a job Stored to HDD when printing. When you print a Secure document, it is deleted from the HDD. When you print a document Stored to HDD, it prints and remains stored on the HDD until you manually delete it.</p> <p><b>Not Found:</b> (no jobs) is indicated when there is no output file.</p> <p>The following messages are displayed when there are printable files.</p> <p><b>Print:</b> When you select Print, Set Collating Amount is displayed to enable you to specify a number of copies. After specifying the number of copies, press Enter to print all jobs with the specified number of copies.</p> <p><b>Delete:</b> When you select Delete, you are prompted to recheck by Yes/No display, and selecting Yes deletes all jobs.</p>
Secure Job	Print Delete	

## Appendix B • Menu System

### Menus

### Tray Configuration

Item	Value		Description
Paper Feed	Tray 1 MP Tray		Specifies a feed tray.
Auto Tray Switch	<b>ON</b> OFF		Sets the automatic tray switch function.
Tray Sequence	<b>Down</b> Up Paper feed tray		Specifies selection order priority for automatic tray selection/ automatic tray switch.
Unit of Measure	<b>Inch (L)</b> <b>mm (A)</b>		Specifies units for custom paper size.
Tray 1 Config.	Paper Size	<b>Cassette Size</b> Custom	Sets paper in Tray 1.
	X Dimension	4" (100 mm) - 13" (328 mm)	
	Y Dimension	5-7/8" (148 mm) - 18" (457mm)	Sets Custom paper length for Tray 1. Sets for the same direction as paper movement.
	Media Type	<b>Plain</b> Letterhead Transparency Bond Recycled Card stock Rough Glossy Magnetic User Type2 User Type3 User Type4 User Type5	Sets the media type for Tray 1. User Type1 to User Type5 are reserved for custom paper sizes set in the printer driver.
	Media Weight	<b>Auto</b> Light Medium Light Medium Medium Heavy Heavy Ultra Heavy 1 Ultra Heavy 2	Sets media weight for Tray 1.

### Menus

### Tray Configuration (continued)

Item	Value		Description
Tray 1 Config.	A3 Nobi Paper	A3 Nobi A3 Wide <b>Tabloid Extra</b>	The printer detects A3 Nobi, A3 Wide and Tabloid Extra sizes as the same. Use this setting to tell the printer which of the three sizes is loaded in Tray 1.
	Legal 14 paper	<b>Legal 14</b> Legal 13.5	Sets the length of the legal paper in Tray 1. Change this to Legal 13.5 if that is the standard legal size in your country.
MP Tray Config.	Paper Size	A3 Nobi A3 Wide A3 A4 Short Edge <b>A4 Long Edge</b> A5 A6 B4 B5 Short Edge B5 Long Edge Legal 14 Legal 13.5 Legal 13 Tabloid Extra Tabloid Letter Short Edge <b>Letter Long Edge</b> Executive Custom Com-9 Envelope Com-10 Envelope Monarch Envelope DL Envelope Landscape C5 C4 Index Card	Sets paper size for MP Tray.
	X Dimension	3" (76 mm) – 13" (328mm)	Sets Custom paper length for the MP Tray. Sets for the direction perpendicular to the direction of paper movement.

## Appendix B • Menu System

### Menus

### Tray Configuration (continued)

Item	Value	Description	
MP Tray Config.	Y Dimension	<b>3-1/2" (90 mm) - 47-1/4" (1200mm)</b>	Sets Custom paper length for MP Tray. Sets for the same direction as paper movement.
	Media Type	<b>Plain</b> Letterhead Transparency Labels Bond Recycled Card stock Rough Glossy Magnetic Null Type2 Null Type3 Null Type4 Null Type	Sets the media type for MP Tray.
	Media Weight	<b>Auto</b> Light Medium Light Medium Medium Heavy Heavy Ultra Heavy 1 Ultra Heavy 2 Ultra Heavy 3 Ultra Heavy 4	Sets the media weight for MP Tray.
	Tray Usage	Normal Tray	Tray selection/switching uses this tray as the normal tray.
		When Mismatching	If a paper size or type in a tray is not matched to that of the print data, use paper from this tray instead of the specified tray.
		Do Not Use	Makes the MP tray unavailable in auto tray selection/switching.

### Menus

### System Adjust

Item	Value	Description
Power Save Time	1 min 3 min 5 min 15 min 30 min 60 min 240 min	Sets the period after which power save mode starts.
Clearable Warning	Online Job	When Online is selected, you must manually clear the warning by pressing the Online button. Change to Job if you wish the message to automatically clear when a new print job is received.
Auto Continue	ON OFF	Sets whether the printer is automatically recovered when Memory Overflow or Tray Request occurs.
Manual Timeout	OFF 30 sec 60 sec	If paper is not fed within this time in manual feed, the job is cancelled.
Wait Timeout	OFF 5 sec 10 sec 20 sec 30 sec 40 sec 50 sec 60 sec 90 sec 120 sec 150 sec 180 sec 210 sec 240 sec 270 sec 300 sec	Sets the time period between stopping receipt of job data and forced print. For PS, printing is not carried out and the job is cancelled.
Low Toner	Continue Stop	Sets the printing operation when insufficient toner is detected. <b>Continue:</b> the printer can continue printing while remaining online. <b>Stop:</b> the printer stops printing and goes offline .
Jam Recovery	ON OFF	<b>ON:</b> continues printing the job, including any stuck pages, once the stoppage has been cleared. <b>OFF:</b> Cancels a job including the page currently stuck.

## Appendix B • Menu System

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### Menus

### System Adjust (continued)

Item	Value		Description
Error Report	ON OFF		ON: prints an error report during the occurrence of an internal error. This item is valid only for PS and PCLXL.
Print Position Adjust	X Adjust	+/- 2 mm at +/- .25 mm intervals.	Adjusts the position of the whole printing image (0.25mm interval) perpendicular to the direction of paper movement (i.e. horizontally).
	Y Adjust	+/- 2 mm at +/- .25 mm intervals.	Adjusts the position of the whole printing image (0.25mm interval) parallel to the direction of paper movement (i.e. vertically).
	Duplex X Adjust	+/- 2 mm at +/- .25 mm intervals.	During the flip-side printing of duplex printing, adjusts the location of the whole printing image (0.25mm interval) perpendicular to the direction of paper movement (i.e. horizontally).
	Duplex Y Adjust	+/- 2 mm at +/- .25 mm intervals.	During the flip-side printing of duplex printing, adjusts the location of the whole printing image (0.25mm, interval) parallel to the direction of paper movement (i.e. vertically).

### Menus

### System Adjust (continued)

Item	Value	Description
Trans. Color Setting	0 +1 +2 -2 -1	Used for fine color adjustment for a significantly white horizontal dotted line, a significantly faded image or other such a problem that occurs in results printed on transparencies. Decrement setting when a white horizontal dotted line or a snowy image occurs in high coverage print portions. Increment setting when a faded image occurs.
SMR Setting	0 +1 +2 +3 -3 -2 -1	Corrects print result variations caused by differences in temperature and humidity environment, or print density or frequency. This setting must be changed when print quality varies by printed result.
BG Setting	0 +1 +2 +3 -3 -2 -1	Corrects print result variations caused by differences in temperature and humidity environment, or print density or frequency. This setting must be changed when a dark background occurs in printed result.
Drum Cleaning	ON OFF	Set to produce idling of a drum before printing in order to reduce horizontal white lines. This shortens image drum life.
Hex Dump	Execute	Prints out the data received from the host PC in hexadecimal code.

### Menus

#### Menus Example 1 - Tray 1 Transparencies

To print on transparencies (accommodated in Tray 1):

1. Ensure that the display panel indicates that the printer is ready to print.
2. Enter menu mode by pressing either the Up-arrow or Down-arrow button and press them repeatedly until the Menus menu is highlighted.
3. Press the Enter button to select this menu.
4. Press the Up-arrow or Down-arrow buttons repeatedly until Tray Configuration is highlighted.
5. Press the Enter button to select this Item.
6. Press the Up-arrow or Down-arrow buttons repeatedly until Tray 1 Config is highlighted.
7. Press the Enter button to select this Item.
8. Press the Up-arrow or Down-arrow buttons repeatedly until MediaType is highlighted.
9. Press the Enter button to select this Item.
10. Press the Up-arrow or Down-arrow buttons repeatedly to move through the range of media types until Transparency is highlighted.
11. Press the Enter button to select this value.
12. Check that an asterisk (\*) appears beside Transparency.
13. Press the Online button to exit menu mode and return to the ready to print status.

#### Menus Example 2 - MP Tray Paper Size

To set paper size in the MP Tray:

1. Ensure that the display panel indicates that the printer is ready to print.
2. Enter menu mode by pressing either the Up-arrow or Down-arrow button and press them repeatedly until the Menus menu is highlighted.
3. Press the Enter button to select this menu.
4. Press the Up-arrow or Down-arrow buttons repeatedly until Tray Configuration is highlighted.
5. Press the Enter button to select this Item.
6. Press the Up-arrow or Down-arrow buttons repeatedly until MP Tray Config is highlighted.
7. Press the Enter button to select this Item.
8. Press the Up-arrow or Down-arrow buttons repeatedly until Paper Size is highlighted.
9. Press the Enter button to select this Item.
10. Press the Up-arrow or Down-arrow buttons repeatedly to move through the range of paper sizes until the required size is highlighted.
11. Press the Enter button to select this value.
12. Check that an asterisk (\*) appears beside the chosen size.
13. Press the Online button to exit menu mode and return to the ready to print status.



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