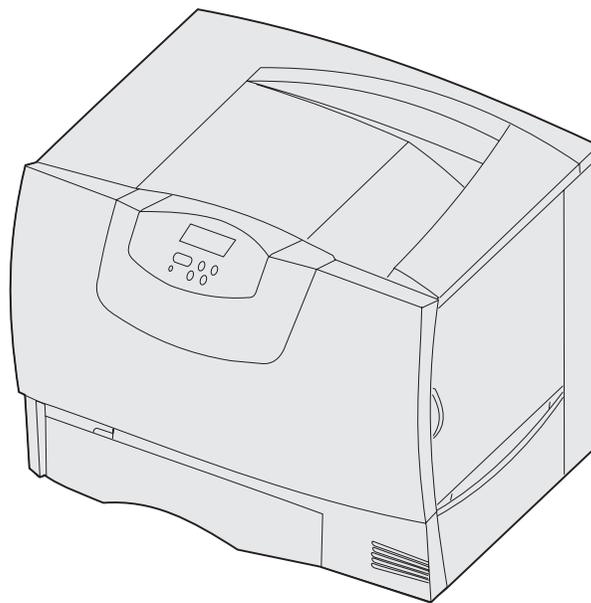




# C760, C762

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## User's Guide



**June 2004**

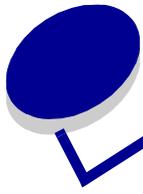
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Lexington, Kentucky 40550



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# 1 Notices

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### ***Edition: June 2004***

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Details relating to compatibility are included in the *Technical Reference*.

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To obtain source code files for the Lexmark modified GNU licensed software, launch the drivers CD that shipped with your printer and click Contact Lexmark.

---

## ***Safety information***

- If your product is *not* marked with this symbol , it *must* be connected to an electrical outlet that is properly grounded.

**CAUTION:** Do not use the fax feature during a lightning storm. Do not set up this product or make any electrical or cabling connections, such as the power cord or telephone, during a lightning storm.

- The power cord must be connected to an electrical outlet that is near the product and easily accessible.
- Refer service or repairs, other than those described in the operating instructions, to a professional service person.
- This product is designed, tested, and approved to meet strict global safety standards with the use of specific Lexmark components. The safety features of some parts may not always be obvious. Lexmark is not responsible for the use of other replacement parts.
- Your product uses a laser.

**CAUTION:** Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

- Your product uses a printing process that heats the print media, and the heat may cause the media to release emissions. You must understand the section in your operating instructions that discusses the guidelines for selecting print media to avoid the possibility of harmful emissions.

---

## ***Cautions and warnings***

**CAUTION:** A caution identifies something that might cause you harm.

**WARNING:** A warning identifies something that might damage your printer hardware or software.

---

## ***Electronic emission notices***

### ***With a network cable or high-capacity output finisher installed***

#### **Federal Communications Commission (FCC) compliance information statement**

The Lexmark C760, C762, types 5060-401, 5060-402, 5060-421, and 5060-422, has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The FCC Class A limits are designed to provide reasonable protection against harmful 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 harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

The manufacturer is not responsible for any radio or television interference caused by using other than recommended cables or by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate this equipment.

**Note:** To assure compliance with FCC regulations on electromagnetic interference for a Class A computing device, use a properly shielded and grounded cable such as Lexmark part number 1329605 for parallel attach or 12A2405 for USB attach. Use of a substitute cable not properly shielded and grounded may result in a violation of FCC regulations.

### Industry Canada compliance statement

This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

### Avis de conformité aux normes de l'industrie du Canada

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

### European Community (EC) directives conformity

This product is in conformity with the protection requirements of EC Council directives 89/336/EEC and 73/23/EEC on the approximation and harmonization of the laws of the Member States relating to electromagnetic compatibility and safety of electrical equipment designed for use within certain voltage limits.

A declaration of conformity with the requirements of the directives has been signed by the Director of Manufacturing and Technical Support, Lexmark International, S.A., Boigny, France.

This product satisfies the Class A limits of EN 55022 and safety requirements of EN 60950.

### Radio interference notice

**WARNING:** When a network cable or high-capacity output finisher is attached, 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.

### Japanese VCCI notice

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This equipment has undergone EMC registration as a business product. It should not be used in a residential area.

## ***The United Kingdom Telecommunications Act 1984***

This apparatus is approved under the approval number NS/G/1234/J/100003 for the indirect connections to the public telecommunications systems in the United Kingdom.

### ***Without a network cable or high-capacity output finisher installed***

#### **Federal Communications Commission (FCC) compliance information statement**

The Lexmark C760, C762, types 5060-401, 5060-402, 5060-421, and 5060-422, has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The FCC Class B limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult your point of purchase or service representative for additional suggestions.

The manufacturer is not responsible for any radio or television interference caused by using other than recommended cables or by unauthorized changes or modifications to this equipment. Unauthorized changes or modifications could void the user's authority to operate this equipment.

**Note:** To assure compliance with FCC regulations on electromagnetic interference for a Class B computing device, use a properly shielded and grounded cable such as Lexmark part number 1329605 (parallel) or Lexmark part number 12A2405 (USB). Use of a substitute cable not properly shielded and grounded may result in a violation of FCC regulations.

Any questions regarding this compliance information statement should be directed to:

Director of Lexmark Technology & Services  
Lexmark International, Inc.  
740 West New Circle Road  
Lexington, KY 40550  
(859) 232-3000

#### **Industry Canada compliance statement**

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

## Avis de conformité aux normes de l'industrie du Canada

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

## European Community (EC) directives conformity

This product is in conformity with the protection requirements of EC Council directives 89/336/EEC and 73/23/EEC on the approximation and harmonization of the laws of the Member States relating to electromagnetic compatibility and safety of electrical equipment designed for use within certain voltage limits.

A declaration of conformity with the requirements of the directives has been signed by the Director of Manufacturing and Technical Support, Lexmark International, S.A., Boigny, France.

This product satisfies the Class B limits of EN 55022 and safety requirements of EN 60950.

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This equipment has undergone EMC registration as a household product. It can be used in any area, including a residential area.

## ***The United Kingdom Telecommunications Act 1984***

This apparatus is approved under the approval number NS/G/1234/J/100003 for the indirect connections to the public telecommunications systems in the United Kingdom.

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## Noise emission levels

The following measurements were made in accordance with ISO 7779 and reported in conformance with ISO 9296.

| 1-meter average sound pressure, dBA * |        |
|---------------------------------------|--------|
| Printing                              | 52 dBA |
| Idling                                | 34 dBA |

\* These values are subject to change. See the Lexmark C760, C762 Tech Spec section of the Lexmark Web site for current information.

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## ENERGY STAR



The EPA ENERGY STAR Office equipment program is a partnership effort with office equipment manufacturers to promote the introduction of energy-efficient products and to reduce air pollution caused by power generation.

Companies participating in this program introduce products that power down when they are not being used. This feature will cut the energy used by up to 50 percent. Lexmark is proud to be a participant in this program.

As an ENERGY STAR Partner, Lexmark International, Inc. has determined that this product meets the ENERGY STAR guidelines for energy efficiency.

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## Laser notice

The printer is certified in the U.S. to conform to the requirements of DHHS 21 CFR Subchapter J for Class I (1) laser products, and elsewhere is certified as a Class I laser product conforming to the requirements of IEC 60825-1.

Class I laser products are not considered to be hazardous. The printer contains internally a Class IIIb (3b) laser that is nominally a 5 milliwatt gallium arsenide laser operating in the wavelength region of 770-795 nanometers. The laser system and printer are designed so there is never any human access to laser radiation above a Class I level during normal operation, user maintenance, or prescribed service condition.



## More about installing drivers

### *Installing drivers for local printing*

The printer driver is software that lets your computer communicate with your printer.

The procedure to install drivers depends on the operating system you are using. Use the following table to find driver installation instructions for your particular operating system. If you need additional help, refer to the documentation that shipped with your computer and your software.

| Operating system   | Go to page... |
|--|---------------|
| <b>Windows</b><br>Windows 95, Windows 98 (First Edition) | 13            |
| <b>Macintosh</b>   | 14            |
| <b>Serial Printing</b>                                   | 15            |

### *Windows*

Some Windows operating systems may already include a printer driver that is compatible with your printer. This may mean that installation will seem automatic in later versions of Windows. System printer drivers work well for simple printing, but they contain less functionality than our enhanced custom printer driver.

Installing a custom driver will not replace the system driver. A separate printer object will be created and appear in the Printers folder.

Use the drivers CD that shipped with your printer to install the custom printer driver and obtain all the enhanced printer features and functionality.

Drivers are also available in downloadable software packages on our Lexmark Web site at [www.lexmark.com](http://www.lexmark.com).

### **Using Windows 95 and Windows 98 (first edition)**

- 1 Turn on your computer.
- 2 Click **Start** ▶ **Settings** ▶ **Printers**, and then double-click **Add Printer**.

**Note:** USB support is not available for the Windows 95 operating system.

- 3 When prompted, select **Local printer**.
- 4 Select the manufacturer and model of your printer, and then click **Have Disk**.

**Note:** Some Windows operating systems require that you have administrative access to install printer drivers on your computer.

- 5 Insert the drivers CD. If the CD launches automatically, click **Exit** to return to the Add Printer Wizard.
- 6 Specify the location of the custom printer driver on the drivers CD.  
The path should be similar to the following:  
**X:\Drivers\Print\Win\_9xMe\<language>**  
Where X=the letter of your CD-ROM drive. For example, D:\Drivers\Print\Win\_9xMe\English.
- 7 Click **OK**.  
It may take some time for the drivers to load.
- 8 Close the drivers CD.

## **Macintosh**

Mac OS 8.6 or later is required for USB printing. To print locally to a USB-attached printer, you must create a desktop printer icon (Mac 8.6–9.x) or create a queue in Print Center or Print Server Setup Utility (Mac OS X).

### **Creating a desktop printer icon (Mac 8.6–9.x)**

- 1 Install a printer PostScript Printer Description (PPD) file on your computer.
  - a Insert the drivers CD.
  - b Double-click **Classic**, and then double-click the installer package for your printer.  
  
**Note:** A PPD file provides detailed information about the capabilities of a printer to your Macintosh computer.
  - c Choose the language you want to use, and then click **OK**.
  - d Click **Accept** after you read the license agreement.
  - e Click **Continue** after you finish with the Readme file.
  - f Choose a default paper size.
  - g On the Easy Install screen, click **Install**. All the necessary files are installed on your computer.
  - h Click **Quit** when installation is complete.  
  
**Note:** A PPD for your printer is also available in a downloadable software package on our Lexmark Web site at [www.lexmark.com](http://www.lexmark.com).
- 2 Do one of the following:  
*Mac 8.6–9.0:* Open **Apple LaserWriter**.  
*Mac 9.1–9.x:* Open **Applications**, and then click **Utilities**.
- 3 Double-click **Desktop Printer Utility**.
- 4 Select **Printer (USB)**, and then click **OK**.

- 5 In the USB Printer Selection section, click **Change**.  
*If your printer does not appear in the USB Printer Selection list, make sure the USB cable is properly connected and the printer is turned on.*
- 6 Select the name of your printer, and then click **OK**. Your printer appears in the original Printer (USB) window.
- 7 In the PostScript Printer Description (PPD) File section, click **Auto Setup**. Make sure your printer PPD now matches your printer.
- 8 Click **Create**, and then click **Save**.
- 9 Specify a printer name, and then click **Save**. Your printer is now saved as a desktop printer.

## **Serial connections**

With serial printing, data is transferred one bit at a time. Although serial printing is usually slower than parallel printing, it is the preferred option when there is a great deal of distance between your printer and computer, or when a parallel interface is not available.

Before you can print, you must establish communication between your printer and computer. To do this, you have to 1) set serial parameters in the printer, 2) install a printer driver on the attached computer, and 3) match the serial settings in the COM port.

### **Setting parameters in the printer**

- 1 On the printer operator panel, press **Menu** until Print Menus appears on the display, and then press **Select**.

**Note:** For information about serial menus and messages, refer to the publications CD that shipped with your printer.

- 2 Press **Menu** until you see **Serial Standard** (or **Serial Option x** if you installed a serial interface card), and then press **Select**.
- 3 Press **Menu** until you see the parameter you want to change, and then press **Select**.
- 4 Press **Menu** until you see the correct setting, and then press **Select**.

*Note the following restrictions:*

- Maximum baud rate supported is 115,200.
- Data Bits must be set to 7 or 8.
- Parity must be set to Even, Odd, or None.
- Stop Bits must be set to 2.
- Flow Control recommended protocol setting is Xon/Xoff.

- 5 Press **Return** to exit the menus when finished.
- 6 Print a Menu Settings page and verify that your serial parameters are correct. *Keep this page for later use.*
  - a Press **Menu** until you see **UTILITIES MENU**, and then press **Select**.
  - b Press **Menu** until you see **Print Menus**, and then press **Select**.

- c Look under the Standard Serial (or Serial Option X if you installed a serial interface card) heading to find the serial parameters.

## Installing a printer driver

You must install a printer driver on the computer that is connected to the printer.

- 1 Insert the drivers CD into your CD-ROM drive. It should launch automatically. If the CD does not launch automatically, click **Start ▶ Run**, and then type the following in the Run dialog box:  
`D:/Setup.exe.`
- 2 Click **Install Printer Software**.
- 3 Click **Agree** to accept the Printer Software License Agreement.
- 4 Select **Local printer install**, and then click **Next**.
- 5 Check the box next to the printer you are installing, and then select the communications port (COM1 or COM2) you want to use.
- 6 Click **Finish** to complete the printer software installation.

## Setting parameters in the communications (COM) port

After the printer driver is installed, you must set the serial parameters in the communications port assigned to the printer driver.

The serial parameters in the communications port must match exactly to the serial parameters you set in the printer.

- 1 Click **Start ▶ Settings ▶ Control Panel**, and then double-click **System**.
- 2 On the Device Manager tab, click **+** to expand the list of available ports.
- 3 Select the communications port you assigned to the printer (COM1 or COM2).
- 4 Click **Properties**.
- 5 On the Port Settings tab, set the serial parameters to the exact same serial parameters in the printer.

Look for the printer settings under the Serial Standard (or Serial Option X) heading on the Menu Settings page you printed earlier.

- 6 Click **OK**, and then close all the windows.
- 7 Print a test page to verify printer installation.
  - a Click **Start ▶ Settings ▶ Printers**.
  - b Select the printer you just created.
  - c Click **File ▶ Properties**.
  - d Click **Print Test Page**. When a test page prints successfully, printer setup is complete.

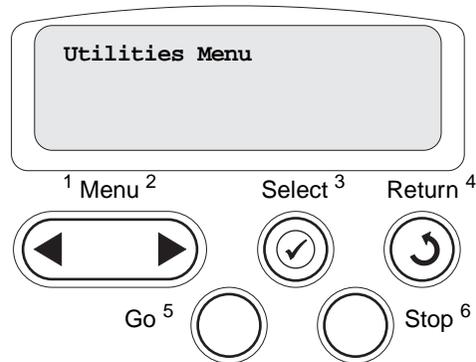
---

## Installing drivers for network printing

### Printing a network setup page

If the printer is attached to a network, print a network setup page to verify the network connection. This page also provides important information that helps you configure for network printing.

**Note:** If an optional MarkNet print server is installed, you see **Print Net1 Setup** on the display.



- 1 Make sure the printer is on.
- 2 Press **Menu** until you see **Utilities Menu**, and then press **Select**.
- 3 Press **Menu** until you see **Print Net Setup**, and then press **Select**. The network setup page prints and the printer returns to **Ready** status.
- 4 Check the first section on the network setup page and confirm that Status is "Connected."

If Status is "Not Connected," your LAN drop may not be active or your network cable may be malfunctioning. Consult your network support person for a solution, and then print another network setup page to verify that you are connected to your network.

After you have assigned and verified the TCP/IP settings, you are ready to install the printer on each network computer.

### Windows 95, Windows 98 (First Edition)

In Windows environments, network printers can be configured for direct printing or shared printing. Both network printing methods require the installation of a printer driver and the creation of a network printer port.

#### Supported printer drivers

- Windows system printer driver
- Lexmark custom printer driver

System drivers are built into Windows operating systems. Custom drivers are available on the drivers CD.

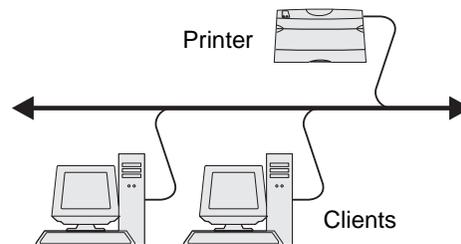
Updated system and custom drivers are available on our Lexmark Web site at [www.lexmark.com](http://www.lexmark.com).

### Supported network printer ports

- Lexmark network port

For basic printer functionality, you can install a system printer driver and use a system network printer port, such as an LPR or a Standard TCP/IP port. The system printer driver and port let you maintain a consistent user interface for use with all the printers on your network. However, using a custom printer driver and network port provides enhanced functionality, such as printer status alerts.

### Direct printing using Windows 95/98



With direct printing:

- Printer is connected directly to the network using a network cable, such as Ethernet.
- Printer drivers are typically installed on each network computer.

To install a custom printer driver and network port:

- 1 Launch the drivers CD.
- 2 Click **Install Software**.
- 3 Click **Printer and Software**.
- 4 Click **Agree** to accept the license agreement.
- 5 Select **Suggested**, and then click **Next**.
- 6 Select **Network Attached**, and then click **Next**.
- 7 Select your printer model from the list and then click **Next**.
- 8 Click **Add Port**.
- 9 Select **Lexmark TCP/IP Network Port**, and then click **Add**.
- 10 Enter the information to create the port.

- a Enter a port name.

This can be any name that you associate with the printer, such as `Color1-lab4`. After the port is created, this name appears in the list of available ports.

**Note:** If you don't know the IP address, print a network setup page and look under the TCP/IP heading. For help, see "Printing a network setup page" on page 17 and refer to "Verifying the IP settings" in the "Configure for TCP/IP" chapter of your *Setup Guide*.

- b Enter the IP address in the text box.
- 11 Click **Finish** to complete the installation.
  - 12 Print a test page to verify printer installation.

## Macintosh

**Note:** A PostScript Printer Description (PPD) file provides detailed information about the capabilities of a printer to your Macintosh computer.

To print to a network printer, each Macintosh user must install a custom PostScript Printer Description (PPD) file and either create a desktop printer on the computer (Mac OS 8.6 to 9.x) or create a print queue in Print Center (Mac OS X).

### Mac 8.6–9.x

#### Step 1: Install a custom PPD file

- 1 Insert the drivers CD.
- 2 Double-click **Classic**, and then double-click the installer package for your printer.

**Note:** A PPD file provides detailed information about the capabilities of a printer to your Macintosh computer.

- 3 Choose the language you want to use, and then click **OK**.
- 4 Click **Accept** after you read the license agreement.
- 5 Click **Continue** after you finish with the Readme file.
- 6 Choose a default paper size.
- 7 On the Easy Install screen, click **Install**. All the necessary files are installed on your computer.
- 8 Click **Quit** when installation is complete.

A PPD for your printer is also available in a downloadable software package on our Lexmark Web site at [www.lexmark.com](http://www.lexmark.com).

#### Step 2: Create a desktop printer

- 1 In the Chooser, select the **LaserWriter 8** driver.
- 2 If you have a routed network, select the default zone from the list. If you don't know which zone to select, look on the Network Setup page under AppleTalk for Zone.
- 3 Select the new printer from the list.
- 4 If you don't know which printer to select, look on the Network Setup page under the Appletalk heading to find the default name of the printer.
- 5 Click **Create**.
- 6 Make sure there is an icon next to the printer name in the Chooser.
- 7 Close the Chooser window.
- 8 Verify printer installation.
  - a Click the desktop printer icon you just created.

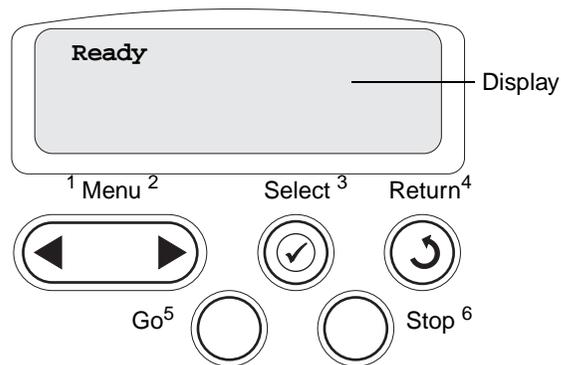
**b** Choose **Printing** ▶ **Change Setup**.

- If the PPD file displayed in the PostScript Printer Description (PPD) file portion of the menu is correct for your printer, printer setup is complete.
- If the PPD file displayed in the PostScript Printer Description (PPD) file portion of the menu is not correct for your printer, repeat “Step 1: Install a custom PPD file” on page 19.

# 3 Printing

## Understanding the printer operator panel

The operator panel has five buttons, a display, and a light that flashes when the printer is processing a job indicated by the **Busy** message.



### Operator panel buttons

| Button      | Function  |
|-------------|---|
| <b>Go</b>   | <p>Press <b>Go</b> to:</p> <ul style="list-style-type: none"> <li>Return to the Ready state if the printer is offline (the <b>Ready</b> message does not appear on the display).</li> <li>Exit printer menus and return to the Ready state.</li> <li>Clear some operator panel messages.</li> <li>Resume printing after loading paper or clearing paper jams.</li> <li>Exit Power Saver.</li> </ul> <p>If you have changed printer settings from the operator panel menus, press <b>Go</b> before sending a job to print. The printer must display <b>Ready</b> for jobs to print.</p>  |
| <b>Menu</b> | <p>Press <b>Menu</b> to:</p> <ul style="list-style-type: none"> <li>Take the printer offline (out of the Ready state) and enter the menus. When the printer is offline, press <b>Menu</b> to scroll through the menus and menu items.</li> <li>List the menu items in the Job Menu (during Busy state).</li> </ul> <p>For menu items that have numerical values, such as Copies, press and hold <b>Menu</b> to scroll through the list of values. Release the button when the number you want appears.</p> <p>If you see a <b>Menus Disabled</b> message, you will not be able to change default settings. You can still clear messages and select items from the Job Menu when printing. When you send a job to print, change printer properties in the printer driver to select the settings you want for your job.</p> |

| Button                  | Function  |
|-------------------------|---|
| <b>Select</b>           | Press <b>Select</b> to: <ul style="list-style-type: none"> <li>• Open the menu shown on the second line of the display.</li> <li>• Save the displayed menu item as the new user default setting.</li> <li>• Clear certain messages from the display.</li> <li>• Continue printing after the <b>Change &lt;x&gt;</b> message appears. See <b>Change &lt;x&gt;</b> for more information.</li> </ul> |
| <b>Return</b>           | Press <b>Return</b> to go back to the previous menu level or menu item.   |
| <b>Stop</b>             | Press <b>Stop</b> at the <b>Ready</b> , <b>Busy</b> , or <b>Waiting</b> message to temporarily take the printer offline. The message changes to <b>Not Ready</b> . No data is lost.<br>Press <b>Go</b> to return the printer to the Ready, Busy, or Waiting state.  |
| <b>1, 2, 3, 4, 5, 6</b> | Use the numbers located next to the names of the buttons to enter your personal identification number (PIN) after you send a confidential job.  |

See the [menu map](#) for a brief overview of the printer menus available from the operator panel.

---

## ***Sending a job to print***

To print a job from a typical Windows application:

- 1** Open the file you want to print.
- 2** From the File menu, select **Print**.
- 3** Verify that the correct printer is selected in the dialog box.
- 4** Modify the printer settings as appropriate (such as the pages you want to print or the number of copies).

**Note:** Click **Properties** or **Setup** to adjust printer settings not available from the first screen, and click **OK**.

- 5** Click **OK** or **Print** to send the job to the selected printer.

---

## ***Canceling a print job***

### ***From the printer operator panel***

If the job you want to cancel is printing, and **Busy** appears on the display:

- 1 Press **Menu** until you see **Job Menu**, and then press **Select**.
- 2 Press **Menu** until you see **Cancel Job**, and then press **Select**.

### ***From the Windows taskbar***

When you send a job to print, a small printer icon appears in the right corner of the taskbar.

- 1 Double-click the printer icon. A list of print jobs appears.
- 2 Select the job you want to cancel.
- 3 Press **Delete** on your keyboard.

### ***From a Windows desktop***

- 1 Minimize all programs to reveal the contents of the desktop.
- 2 Double-click **My Computer**.
- 3 Double-click **Printers**. A list of available printers appears.
- 4 Double-click the printer you selected when you sent the job. A list of print jobs appears.
- 5 Select the job you want to cancel.
- 6 Press **Delete** on your keyboard.

### ***From a Macintosh computer***

When you send a job to print, the icon for your selected printer appears on the desktop.

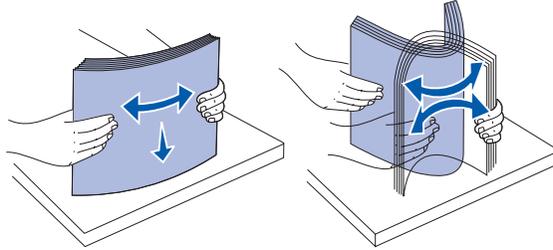
- 1 Double-click the printer icon on your desktop. A list of print jobs appears.
- 2 Press **Control** and click the print job you want to cancel.
- 3 Select **Stop Queue** from the pop-up menu that appears.

---

## Loading the trays

Helpful hints:

- Never mix media types within a tray.
- Flex the print media back and forth to loosen the sheets, and then fan them. Do not fold or crease the print media. Straighten the edges of the stack on a level surface.

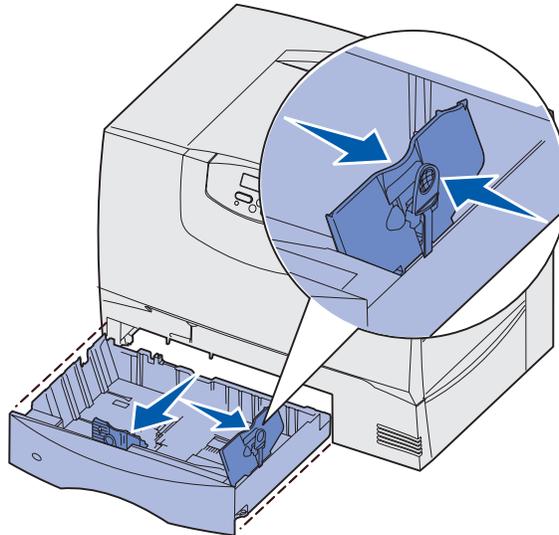


**WARNING:** Never remove paper trays while a print job is printing. It could damage the tray or the printer.

## Loading 500-sheet trays

Follow these instructions to load any of the 500-sheet trays.

- 1 Remove the tray and place it on a flat, level surface.
- 2 Squeeze the front guide lever and slide the guide to the front of the tray.

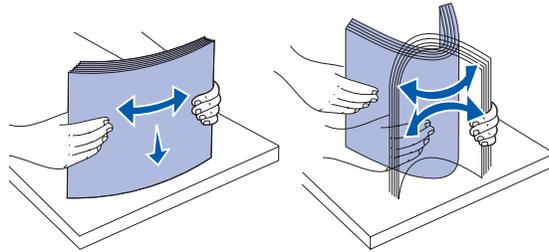


- 3 Squeeze the side guide lever and slide the guide to the correct position for the size paper you are loading.

Icons along the back of the tray indicate paper sizes.

- 4 Flex the sheets back and forth to loosen them, and then fan them.

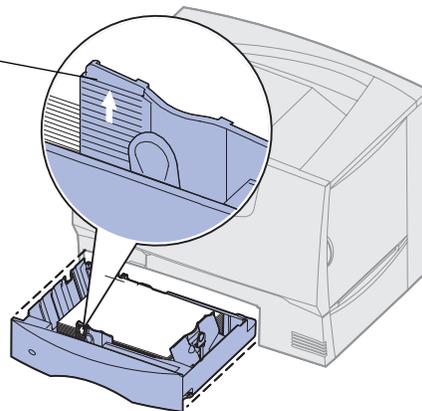
Do not fold or crease the paper. Straighten the edges of the stack on a level surface.



- 5 Place the paper in the tray as shown, print side down.

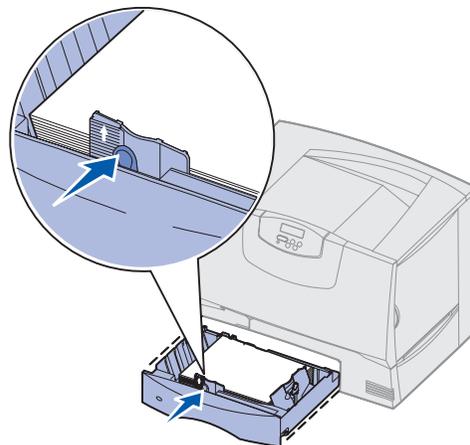
Do not load bent or wrinkled paper.

Maximum stack height indicator



**Note:** Do not exceed the maximum stack height. Overfilling the tray may cause jams.

- 6 Squeeze the front guide lever and slide the guide until it firmly touches the stack of paper.



- 7 Reinstall the tray.

Make sure the tray is pushed completely into the printer.

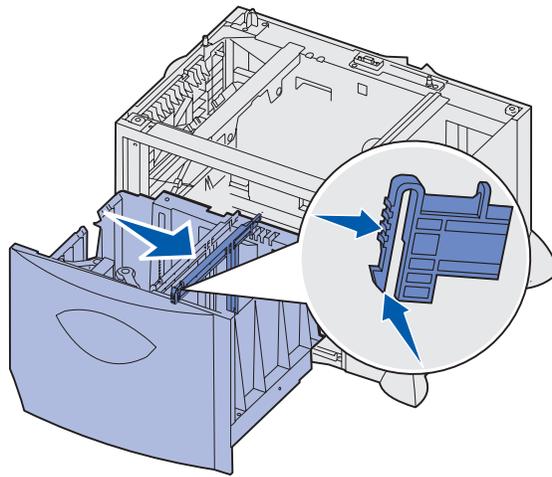
- 8 If you are loading a different type of media than was previously loaded in the tray, change the Paper Type setting for that tray on the operator panel.

See **Paper Type** on page 62 for more information.

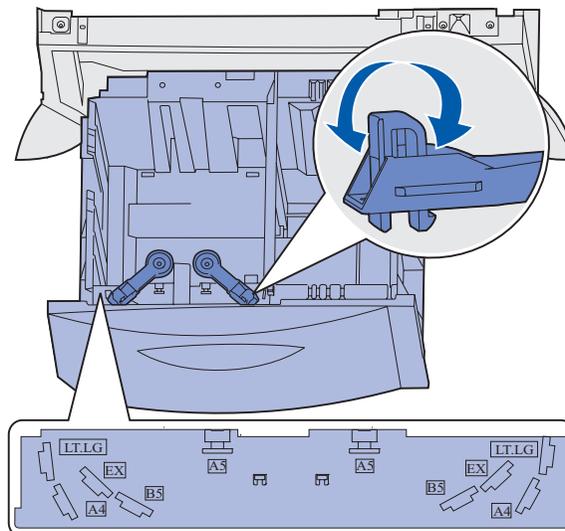
### **Loading the 2000-sheet tray**

Follow these instructions to load a 2000-sheet tray. *Do not load any print media other than paper in the 2000-sheet tray.*

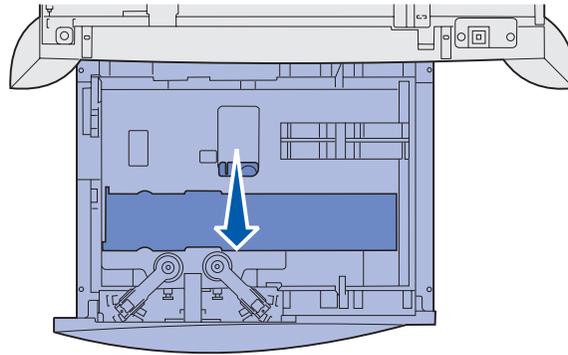
- 1 Pull open the tray.
- 2 Squeeze the side guide lever, lift the guide, and place it into the appropriate slot for the size paper you are loading.



- 3 Squeeze the two front guide levers and slide the guide to the correct position for the size paper you are loading.

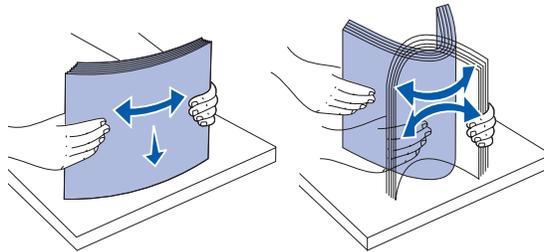


- 4 Slide the bottom support toward the front of the tray until it touches the front guide.



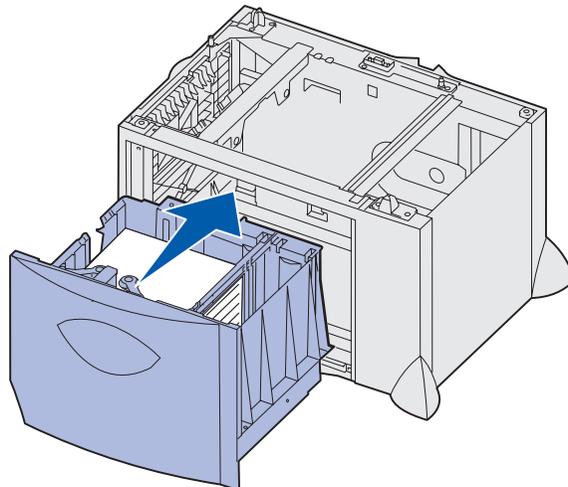
- 5 Flex the sheets back and forth to loosen them, and then fan them.

Do not fold or crease the paper. Straighten the edges of the stack on a level surface.



- 6 Place the paper against the back left corner of the tray, print side down.

Do not load bent or wrinkled print media.



- 7 Close the tray.

Make sure the tray is pushed completely into the printer.

**Note:** Do not exceed the maximum stack height. Overfilling the tray may cause paper jams.

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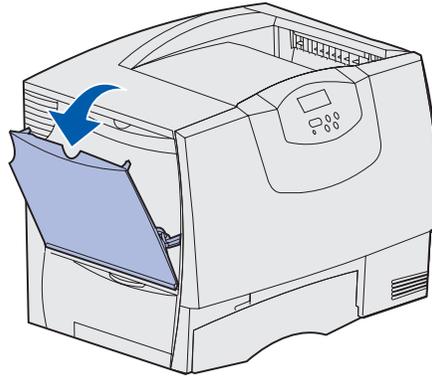
## Loading the multipurpose feeder

You can use the multipurpose feeder one of two ways:

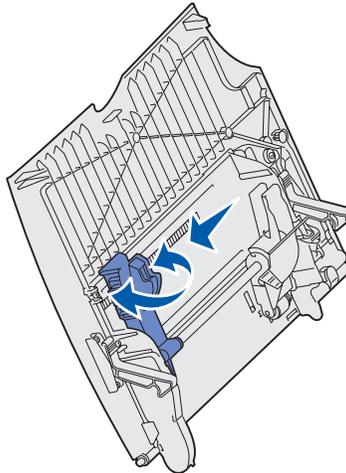
- **Paper tray**—As a paper tray, you can load paper or specialty media in the feeder with the intention of leaving the media in the feeder.
- **Manual bypass feeder**—As a manual bypass feeder, you send a print job to the feeder while specifying the type and size of media from your computer. The printer then prompts you to load the appropriate print media before it prints.

To load the multipurpose feeder:

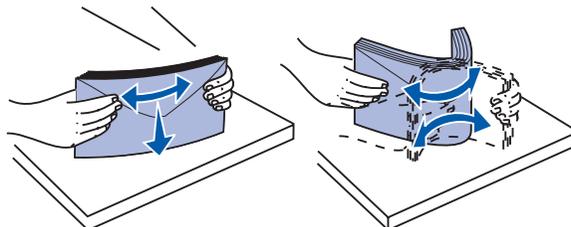
- 1 Open the multipurpose feeder.



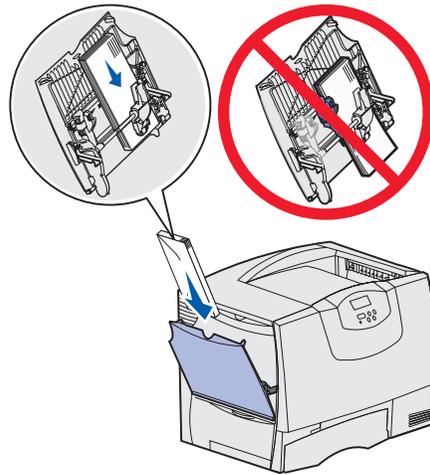
- 2 Squeeze the paper guide lever and slide the guide all the way toward the front of the printer.



- 3 Flex the sheets back and forth to loosen them, and then fan them. Do not fold or crease the print media. Straighten the edges of the stack on a level surface.



- 4 Arrange the stack of paper or specialty media correctly for the size, type, and print method you are using.

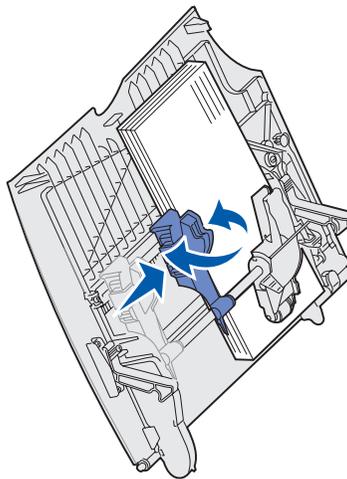


- 5 Place the paper or specialty media, print side up, along the left side of the multipurpose feeder, and then push it in as far as it will easily go.

Do not force the media.

**Note:** Do not exceed the maximum stack height. Overfilling the feeder may cause jams.

- 6 Squeeze the paper guide lever and slide the guide until it lightly touches the side of the stack.



- 7 If you are loading a different type of media than was previously loaded in the tray, change the Paper Type setting for that tray on the operator panel.

See **Paper Type** on page 62 for more information.

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## ***Printing on specialty media (transparencies, labels, other)***

Follow these instructions when you want to print on media such as transparencies, card stock, glossy paper, labels, or envelopes.

- 1 Load the media as specified for the tray you are using. For help, see any of the following:
  - **Loading the trays**
  - **Loading the multipurpose feeder**
- 2 From the printer operator panel, set the Paper Type and Paper Size according to the media you loaded. If the type of the media you are loading is the same as the media previously loaded, you do not need to change the Paper Type setting.

**Note:** Paper Size cannot be adjusted when auto size sensing is enabled. Auto size sensing is enabled by default for printer trays, but is not available for the multipurpose feeder.

To change a Paper Type or Paper Size setting:

- a Press **Menu** until you see **Paper Menu**, and then press **Select**.
  - b Press **Menu** until you see **Paper Type** (or **Paper Size**), and then press **Select**.  
**Tray 1 Type** (or **Tray 1 Size**) appears on the second line of the display.
  - c Press **Select** if you want to change the Tray 1 Type (or Tray 1 Size) setting, or press **Menu** to scroll to another source.
  - d Press **Menu** to scroll through a list of possible paper types (or sizes).
  - e When you see the correct paper type (or size), press **Select** to save the type as the default.
  - f Press **Go** to return the printer to the Ready state.
- 3 From the computer software application, set the paper type, size, and source according to the media you loaded.

### ***Windows***

- a In your word processor, spreadsheet, browser, or other application, select **File ▶ Print**.
- b Click **Properties** (or **Options**, **Printer**, or **Setup**, depending on the application) to view the printer driver settings.
- c Select the tray containing the specialty media from the **Form Source** list box.
- d Select your media type (transparencies, envelopes, and so on) from the **Media Type** list box.
- e Select the size of the specialty media from the **Form Type** list box.
- f Click **OK**, and then send your print job as usual.

### ***Mac OS 8.6–9.x***

- a In your word processor, spreadsheet, browser, or other application, select **File ▶ Page Setup**.

- b** Select the paper size from the **Paper** pop-up menu.
- c** Click **OK**.
- d** Select **File ▶ Print**.
- e** Select the **General** panel, and then select the paper source from the pop-up menus as appropriate.
- f** Select the **Imaging** panel, and then select the paper type from the **Paper Type** pop-up menu.
- g** Send your print job as usual.

## Mac OS X

- a** In your word processor, spreadsheet, browser, or other application, select **File ▶ Page Setup**.
- b** Select the paper size from the **Paper Size** pop-up menu.
- c** Click **OK**.
- d** Select **File ▶ Print**.
- e** Select the **Imaging** panel, and then select the paper type from the **Paper Type** pop-up menu.
- f** Select the **Paper Feed** panel, and then select the paper source from the pop-up menus as appropriate.
- g** Send your print job as usual.

---

## Linking trays

- If you load the same size and type of paper or specialty media in more than one tray, the printer automatically links the trays. This means that when one tray is empty, it feeds from the next linked tray.

For example, if you have the same size and type of paper or specialty media loaded in tray 2 and tray 4, the printer feeds from tray 2 until it becomes empty, and then it feeds from the next linked tray—tray 4.

- If you load the same *size* paper or specialty media in each tray, make sure it is also all the same *type* to link the trays.  
Once the trays you selected are loaded with the same size and type of paper or specialty media, select the same **Paper Type** setting in the **Paper Menu** for these sources.
- To disable tray linking, set the **Paper Type** or **Paper Size** to a unique value in each one of the trays.

---

## Linking output bins

If you attach an optional finisher or mailbox to your printer, you can link output bins, or otherwise specify how the printer sends jobs to the bins, by changing the Configure Bins settings in the Paper Menu.

| Value                  | Description  |
|------------------------|--|
| <b>Mailbox</b>         | Lets you select an output bin when you send a job to print. (If you prefer, you can select a default output bin for all print jobs to go to.) The printer alerts you when the bin you selected becomes full, and stops printing until you empty the bin. |
| <b>Link</b>            | Links all available bins so that when one bin becomes full, the printer sends jobs to the next linked bin.   |
| <b>Mail Overflow*</b>  | Sends jobs automatically to a preassigned overflow bin when the current bin becomes full.  |
| <b>Type Assignment</b> | Lets you assign different types of media to specific output bins or set of linked bins. The printer then sends all printed media to the bin or set of linked bins that you designated to receive each type of paper or specialty media.                  |

\* Only available if you have attached an optional mailbox.

To change the Configure Bins setting:

- 1 Press **Menu** until you see **Paper Menu**, and then press **Select**.
- 2 Press **Menu** until you see **Configure Bins**, and then press **Select**. **Mailbox** appears on the second line of the display.
- 3 Press **Menu** until you see the value you want, and then press **Select** to save the value as the bin configuration default.
- 4 Press **Go** to return the printer to the Ready state.

For more information, see **Configure Bins** and **Bin <x> Full**.

---

## Holding a job in the printer

When sending a job to the printer, you can specify in the driver that you want the printer to hold the job in memory. When you are ready to print the job, you must go to the printer and use the operator panel menus to identify which *held* job you want to print.

**Note:** *Print and Hold* functions require a minimum of 128MB available printer memory. We recommend a minimum of 256MB available printer memory and a hard disk.

### Printing and deleting held jobs

Once held jobs are stored in printer memory, you can use the printer operator panel to specify what you want to do with one or more of the jobs. You can select either Confidential Job or Held Jobs (Repeat Print, Reserve Print, and Verify Print jobs) from the **Job Menu**. If you select Confidential Job, you must enter the personal identification number (PIN) you specified in the driver when you sent the job. See **Confidential jobs** for more information.

From either the Confidential Job or the Held Jobs menu items, you have five choices:

- Print All Jobs
- Print A Job
- Delete All Jobs
- Delete A Job
- Print Copies

### ***Accessing held jobs from the operator panel***

- 1** To access held jobs from the operator panel:
  - If the printer is Busy, press **Menu** and the Job Menu appears.
  - If the printer is Ready, continue to step 2.
- 2** Press **Menu** until you see **Held Jobs** or **Confidential Job** on the operator panel display, depending on the type of job you want to access.
- 3** Press **Select**.

**User Name** appears on the first line of the operator panel. The second line displays the names of users currently associated with Print and Hold jobs.
- 4** Press **Menu** until you see your user name.

**Note:** If you are looking for a Confidential Job, you are prompted to enter your PIN. See [Confidential jobs](#) for more information.
- 5** Press **Select**.
- 6** Press **Menu** until the action you want to take is on the second line of the operator panel (Print A Job, Delete A Job, and so on).
- 7** Press **Select**.
  - If you are looking for a particular job, press **Menu** to scroll through the list of available jobs, and press **Select** when the correct job is displayed. An asterisk (\*) appears next to the job name, indicating you have chosen to print or delete that job.
  - If you are prompted to enter the number of copies you want to print, use **Menu** to increase or decrease the number on the display, and then press **Select**.
- 8** Press **Go** to print or delete specific jobs you have marked.

The printer briefly shows messages indicating what Print and Hold functions it is performing.

### ***Recognizing when format errors occur***

If the ⚡ symbol appears on the display, it indicates that the printer had trouble formatting one or more of the held jobs. These formatting problems are most commonly the result of insufficient printer memory or invalid data that might cause the printer to flush the job.

When a ⚡ symbol appears next to a held job, you can:

- Print the job. Be aware, however, that only part of the job may print.
- Delete the job. You may want to free up additional printer memory by scrolling through the list of held jobs and deleting others you have sent to the printer.

If formatting errors are a recurring problem with held jobs, your printer may require more memory.

### ***Repeat Print***

If you send a Repeat Print job, the printer prints all requested copies of the job *and* stores the job in memory so you can print additional copies later. You can print additional copies as long as the job remains stored in memory.

**Note:** Repeat Print jobs are automatically deleted from printer memory when the printer requires extra memory to process additional held jobs.

### ***Reserve Print***

If you send a Reserve Print job, the printer does not print the job immediately, but stores the job in memory so you can print the job later. The job is held in memory until you delete it from the Held Jobs menu. Reserve Print jobs may be deleted if the printer requires extra memory to process additional held jobs.

See **Printing and deleting held jobs** for information.

### ***Verify Print***

If you send a Verify Print job, the printer prints one copy and holds the remaining copies you requested from the driver in printer memory. Use Verify Print to examine the first copy to see if it is satisfactory before printing the remaining copies.

See **Printing and deleting held jobs** if you need help printing the additional copies stored in memory.

**Note:** Once all copies are printed, the Verify Print job is deleted from printer memory.

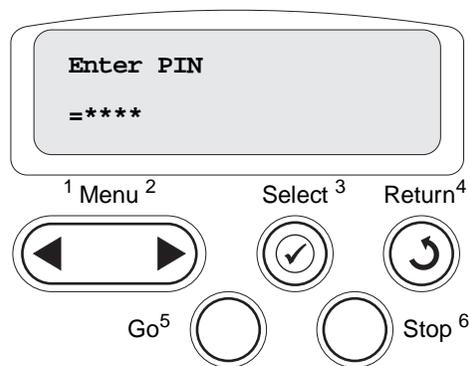
## Confidential jobs

When you send a job to the printer, you can enter a personal identification number (PIN) from the driver. The PIN must be four digits, using the numbers 1–6. The job is then held in printer memory until you enter the same four-digit PIN from the printer operator panel and choose to print or delete the job. This ensures that the job does not print until you are there to retrieve it, and no one else using the printer can print the job.

When you select Confidential Job from the Job Menu and then select your user name, the following prompt is displayed:

**Enter PIN:**  
=\_\_\_\_\_

Use the buttons on the operator panel to enter the four-digit PIN associated with your confidential job. The numbers next to the button names identify which button to press for each digit (1–6). As you enter the PIN, asterisks are displayed on the operator panel to ensure confidentiality.



If you enter an invalid PIN, the message **No Jobs Found. Retry?** appears. Press **Go** to reenter the PIN, or press **Stop** to exit the Confidential Job menu.

When you enter a valid PIN, you have access to all print jobs matching the user name and PIN you entered. The print jobs matching the PIN you entered appear on the display when you enter the Print A Job, Delete A Job, and Print Copies menu items. You can then choose to print or delete jobs matching the PIN you entered. (See [Printing and deleting held jobs](#) for more information.) After printing the job, the printer deletes the confidential job from memory.

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## ***Tips for successful printing***

### ***Storing paper***

Use the following guidelines to avoid paper feeding problems and uneven print quality.

- Store paper in an environment where the temperature is approximately 21°C (70°F) and the relative humidity is 40%.
- Store cartons of paper on a pallet or shelf rather than directly on the floor.
- If you store individual packages of paper out of the original carton, make sure they rest on a flat surface so the edges do not buckle or curl.
- Do not place anything on top of paper packages.
- Store paper in its original wrapper until you load it into the printer.

### ***Storing supplies***

Choose a cool, clean storage area for your printer supplies. Store supplies *right side up* in their original packaging until you are ready to use them.

Do not expose supplies to:

- Direct sunlight
- Temperatures above 35°C (95°F)
- High humidity (above 80%)
- Salty air
- Corrosive gases
- Heavy dust

## Avoiding jams

You can avoid most paper jams by correctly loading paper and specialty media in the printer.

See the following for loading instructions:

- [Loading 500-sheet trays](#)
- [Loading the 2000-sheet tray](#)
- [Loading the multipurpose feeder](#)

The following hints can help you avoid paper jams:

- Use only recommended paper. Refer to the *Card Stock & Label Guide* available on our Lexmark Web site at [www.lexmark.com](http://www.lexmark.com) for more information about which paper provides optimum results for your printing environment.
- Do not remove paper trays while a job is printing. Wait for a **Load Tray <x>** or **Ready** message before you remove the tray.
- If you need detailed information before purchasing large quantities of customized paper, refer to the *Card Stock & Label Guide*.
- Do not load wrinkled, creased, or damp paper.
- Never mix media types within a tray.
- Flex, fan, and straighten paper before you load it.
- Do not overload the trays or the multipurpose feeder. Make sure the stack height does not exceed the maximum height indicated.
- Push all trays *firmly* into the printer after loading them.
- Make sure the guides in the trays are properly positioned for the size paper you have loaded.
- Do not send jobs to staple, hole punch, or offset for transparencies, labels, or card stock.
- We recommend that transparencies, labels, card stock, and envelopes not be sent to the optional mailbox or optional finisher. These specialty media types should be sent to the standard bin.
- If an optional finisher or mailbox is attached, make sure the printer and option are correctly aligned. Refer to the *Setup Guide* for alignment instructions.
- Make sure all cables that connect the high capacity feeder or finisher to the printer are correctly attached. Refer to the *Setup Guide* for more information.
- If a jam should occur, clear the entire paper path. See [Clearing the entire paper path](#) for more information.

# 4 Paper and specialty media specifications

The following table lists supported paper and specialty media sizes and types for the standard and optional trays, as well as for the multipurpose feeder. We recommend that you try a limited sample of any paper or specialty media you are considering using with the printer before purchasing large quantities.

| Source              | Paper sizes supported  | Paper types supported                     | Capacity  |
|---------------------|--|---|---|
| 500-sheet trays     | Letter, A4, A5, Legal, Executive, JIS B5, Folio <sup>1</sup> , Statement <sup>1</sup> , Universal <sup>2,3</sup> | Paper, transparencies, labels, card stock | <ul style="list-style-type: none"> <li>• 500 sheets of 20 lb paper</li> <li>• 350 transparencies<sup>5</sup></li> <li>• 200 sheets of labels or card stock<sup>4,5</sup></li> </ul> |
| 2000-sheet tray     | Letter, A4, A5, Legal, Executive, JIS B5   | Paper                                     | 2000 sheets of 20 lb paper  |
| Multipurpose feeder | Letter, A4, A5, Legal, Executive, JIS B5, Folio <sup>1</sup> , Statement <sup>1</sup> , Universal <sup>2,3</sup> | Paper, transparencies, labels, card stock | <ul style="list-style-type: none"> <li>• 100 sheets of 20 lb paper</li> <li>• 75 transparencies<sup>5</sup></li> <li>• 40 sheets of labels or card stock<sup>4,5</sup></li> </ul>   |
|                     | 7 <sup>3</sup> / <sub>4</sub> , 9, 10, DL, C5, B5, other <sup>6</sup>  | Envelopes                                 | 10 envelopes  |

<sup>1</sup> Supported as selected paper with tray size sensing turned off in the appropriate trays.  
<sup>2</sup> When selected, the page is formatted for 215.9 x 355.6 mm (8.5 x 14 in.) unless otherwise specified.  
<sup>3</sup> Load narrow media with the length in the feed direction (portrait).  
<sup>4</sup> If you print large quantities of labels or other glossy print media, have your fuser housing replaced with a web oiler field upgrade kit.  
<sup>5</sup> Capacity varies with media weight and construction. The printer can print directly on transparencies designed for use in laser printers. Print quality and durability depend on the transparency used. Always print samples on the transparencies you are considering before buying large quantities.  
 For transparencies, the Paper Type setting should be set to Transparency to help prevent jams. (See **Paper Type** for detailed information about this setting.) Check with the manufacturer or vendor to determine whether your transparencies are compatible with laser printers that heat transparencies to 212°C (414°F). Use only transparencies that are able to withstand these temperatures without melting, discoloring, offsetting, or releasing hazardous emissions.  
<sup>6</sup> Size can vary from 98.4 x 62 mm to 176 x 250 mm (3.87 x 6.38 in. to 6.93 x 9.84 in.).

For more details about the types of paper and specialty media your printer supports, refer to the *Card Stock & Label Guide* available on our Lexmark Web site at [www.lexmark.com](http://www.lexmark.com).

The printer supports the following standard print media sizes. The Universal setting lets you select custom sizes up to the maximum specified.

| Print media  | Source            | A4<br>(210 x 297 mm)  | A5<br>(148 x 210 mm) | JIS B5<br>(182 x 257 mm)  | Statement<br>(5.5 x 8.5 in.) | Letter<br>(8.5 x 11 in.) | Folio<br>(8.5 x 13 in.) | Legal<br>(8.5 x 14 in.) | Executive<br>(7.25 x 10.5 in.) | Universal<br>(5.5 x 8.27 in.) | Universal<br>(2.75 x 5 in.) | Universal<br>(5.83 x 7.17 in.) |
|--|-------------------|---|----------------------|---|------------------------------|--------------------------|-------------------------|-------------------------|--------------------------------|-------------------------------|-----------------------------|--------------------------------|
| <b>Plain paper</b> <sup>1, 2</sup><br>Grain long (Light):<br>60–74.9 g/m <sup>2</sup> (16–19.9 lb bond)<br>Grain long (Normal):<br>75–119.9 g/m <sup>2</sup> (20–31.9 lb bond)<br>Grain long (Heavy):<br>120–176 g/m <sup>2</sup> (32–47 lb bond)  | 500 <sup>7</sup>  | •   | •                    | •   | •                            | •                        | •                       | •                       | •                              | •                             |                             | •                              |
|  | 2000 <sup>8</sup> | •   | •                    | •   |                              | •                        |                         | •                       | •                              |                               |                             |                                |
|  | MPF <sup>9</sup>  | •   | •                    | •   | •                            | •                        | •                       | •                       | •                              | •                             | •                           | •                              |
| <b>Card stock</b> <sup>2</sup><br>Upper limit, grain long:<br>Index Bristol:163 g/m <sup>2</sup> (90 lb)<br>Tag:163 g/m <sup>2</sup> (100 lb)<br>Cover:176 g/m <sup>2</sup> (65 lb)<br>Upper limit, grain short:<br>Index Bristol:199 g/m <sup>2</sup> (110 lb)<br>Tag:203 g/m <sup>2</sup> (125 lb)<br>Cover:216 g/m <sup>2</sup> (80 lb)                                       | 500               | •   | •                    | •   | •                            | •                        | •                       | •                       | •                              | •                             |                             | •                              |
|  | MPF               | •   | •                    | •   | •                            | •                        | •                       | •                       | •                              | •                             | •                           | •                              |
| <b>Transparency</b><br>161–169 g/m <sup>2</sup> (43–45 lb bond)  | 500               | •   |                      |   |                              | •                        |                         |                         |                                |                               |                             |                                |
|  | MPF               | •   |                      |   |                              | •                        |                         |                         |                                |                               |                             |                                |
| <b>Glossy paper</b><br>Gloss Book, grain long:<br>88–176 g/m <sup>2</sup> (60–120 lb book)<br>Gloss Cover, grain long:<br>162–176 g/m <sup>2</sup> (60–65 lb cover)  | 500               | •   | •                    | •   | •                            | •                        | •                       | •                       | •                              | •                             |                             | •                              |
|  | 2000              | •   | •                    | •   |                              | •                        |                         | •                       | •                              |                               |                             |                                |
|  | MPF               | •   | •                    | •   | •                            | •                        | •                       | •                       | •                              | •                             | •                           | •                              |
| <sup>1</sup> Paper less than 75 g/m <sup>2</sup> (20 lb) is limited to simplex only at less than 60% relative humidity and is not supported in duplex. The duplex option supports the same weights and types as the printer except for paper 60-74.9 g/m <sup>2</sup> (16-19.9 lb) grain long bond, A5 cardstock, envelopes, transparencies, vinyl labels, and polyester labels. |                   | <sup>3</sup> Multipurpose feeder weights differ:<br>Paper:199 g/m <sup>2</sup> (53 lb)<br>Dual-Web:199 g/m <sup>2</sup> (53 lb)<br>Vinyl:260 g/m <sup>2</sup> (78 lb liner) |                      | <sup>6</sup> Sulfite, wood-free, or up to 100% cotton bond.<br>100% cotton content maximum weight is 90 g/m <sup>2</sup> (24 lb) bond.<br>28 lb bond envelopes are limited to 25% cotton content. |                              |                          |                         |                         |                                |                               |                             |                                |
| <sup>2</sup> For 60–176 g/m <sup>2</sup> (16–65 lb) paper, grain long fibers are recommended. For papers heavier than 176 g/m <sup>2</sup> (65 lb), grain short is preferred.  |                   | <sup>4</sup> Vinyl labels are supported only when printing environments and media are 20–32.2°C (68–90°F).  |                      | <sup>7</sup> 500-sheet tray   |                              |                          |                         |                         |                                |                               |                             |                                |
|  |                   | <sup>5</sup> Pressure sensitive area must enter the printer first.  |                      | <sup>8</sup> 2000-sheet tray  |                              |                          |                         |                         |                                |                               |                             |                                |
|  |                   |   |                      | <sup>9</sup> Multipurpose feeder  |                              |                          |                         |                         |                                |                               |                             |                                |

| Print media   | Source | A4<br>(210 x 297 mm)  | A5<br>(148 x 210 mm) | JIS B5<br>(182 x 257 mm) | Statement<br>(5.5 x 8.5 in.) | Letter<br>(8.5 x 11 in.) | Folio<br>(8.5 x 13 in.)  | Legal<br>(8.5 x 14 in.) | Executive<br>(7.25 x 10.5 in.) | Universal<br>(5.5 x 8.27 in.) | Universal<br>(2.75 x 5 in.) | Universal<br>(5.83 x 7.17 in.) |
|---|--------|---|----------------------|--------------------------|------------------------------|--------------------------|--|-------------------------|--------------------------------|-------------------------------|-----------------------------|--------------------------------|
| <b>Labels</b><br>Paper: <sup>3</sup> 180 g/m <sup>2</sup> (48 lb bond)<br>Dual-Web: <sup>3</sup> 180 g/m <sup>2</sup> (48 lb bond)<br>Polyester: 220 g/m <sup>2</sup> (59 lb bond)<br>Vinyl: <sup>3, 4</sup> 300 g/m <sup>2</sup> (92 lb bond)  | 500    | •   | •                    | •                        | •                            | •                        | •  | •                       | •                              | •                             |                             | •                              |
|   | MPF    | •   | •                    | •                        | •                            | •                        | •  | •                       | •                              | •                             | •                           | •                              |
| <b>Integrated forms (labels) <sup>5</sup></b><br>Pressure sensitive area:<br>140–175 g/m <sup>2</sup><br>Paper base (grain long):<br>75–135 g/m <sup>2</sup> (20–36 lb bond)  | 500    | •   | •                    | •                        | •                            | •                        | •  | •                       | •                              | •                             |                             | •                              |
|   | MPF    | •   | •                    | •                        | •                            | •                        | •  | •                       | •                              | •                             | •                           | •                              |
| <b>Envelope <sup>6</sup></b><br>60–105 g/m <sup>2</sup> (16–28 lb bond)   | MPF    | <b>7<sup>3</sup>/<sub>4</sub> Envelope</b> (3.875 x 7.5 in.)<br><b>9 Envelope</b> (3.875 x 8.9 in.)<br><b>10 Envelope</b> (4.12 x 9.5 in.)<br><b>Other Envelope</b> (98.4 x 162 mm to 176 x 250 mm) |                      |                          |                              |                          | <b>DL Envelope</b> (110 x 220 mm)<br><b>C5 Envelope</b> (162 x 229 mm)<br><b>B5 Envelope</b> (176 x 250 mm)  |                         |                                |                               |                             |                                |
| <sup>1</sup> Paper less than 75 g/m <sup>2</sup> (20 lb) is limited to simplex only at less than 60% relative humidity and is not supported in duplex. The duplex option supports the same weights and types as the printer except for paper 60–74.9 g/m <sup>2</sup> (16–19.9 lb) grain long bond, A5 cardstock, envelopes, transparencies, vinyl labels, and polyester labels.<br><sup>2</sup> For 60–176 g/m <sup>2</sup> (16–65 lb) paper, grain long fibers are recommended. For papers heavier than 176 g/m <sup>2</sup> (65 lb), grain short is preferred. |        | <sup>3</sup> Multipurpose feeder weights differ:<br>Paper: 199 g/m <sup>2</sup> (53 lb)<br>Dual-Web: 199 g/m <sup>2</sup> (53 lb)<br>Vinyl: 260 g/m <sup>2</sup> (78 lb liner)                      |                      |                          |                              |                          | <sup>6</sup> Sulfite, wood-free, or up to 100% cotton bond.<br>100% cotton content maximum weight is 90 g/m <sup>2</sup> (24 lb) bond.<br>28 lb bond envelopes are limited to 25% cotton content.<br><sup>7</sup> 500-sheet tray<br><sup>8</sup> 2000-sheet tray<br><sup>9</sup> Multipurpose feeder |                         |                                |                               |                             |                                |
|   |        | <sup>4</sup> Vinyl labels are supported only when printing environments and media are 20–32.2°C (68–90°F).  |                      |                          |                              |                          |  |                         |                                |                               |                             |                                |
|   |        | <sup>5</sup> Pressure sensitive area must enter the printer first.  |                      |                          |                              |                          |  |                         |                                |                               |                             |                                |

## Selecting print media

### Paper

The laser printing process heats paper to high temperatures 160°C (320°F). Use only paper able to withstand these temperatures without discoloring, bleeding, or releasing hazardous emissions. Check with the manufacturer or vendor to determine whether the paper you have chosen is acceptable for laser printers.

Preprinted papers such as letterhead must be able to withstand temperatures up to 160°C (320°F) without melting or releasing hazardous emissions. Use papers printed with heat-resistant inks designed for use in xerographic copiers. The ink must withstand temperatures of 160°C (320°F) without melting or releasing hazardous emissions. Use inks that are not affected by the resin in toner or the silicone in the fuser. Inks that are oxidation-set or oil-based should meet these requirements; latex inks might not. If you are in doubt, contact your paper supplier.

## ***Transparencies***

Check with the manufacturer or vendor to determine whether your transparencies are compatible with laser printers that heat transparencies to 150°C (302°F). Use only transparencies that are able to withstand these temperatures without melting, discoloring, offsetting, or releasing hazardous emissions. For detailed information, refer to the Card Stock & Label Guide , which is available on the Lexmark Web site at [www.lexmark.com](http://www.lexmark.com).

## ***Envelopes***

Use envelopes that can withstand temperatures of 155°C (311°F) without sealing, excessive curling, wrinkling, or releasing hazardous emissions. If you have any doubts about the envelopes you are considering using, check with the envelope supplier.

## ***Labels***

Your printer can print on many labels designed for use with laser printers. These labels are supplied in letter size, A4 size, and legal size sheets. Label adhesives, face sheet (printable stock), and topcoats must be able to withstand temperatures of 155°C (311°F).

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## ***Avoiding paper jams***

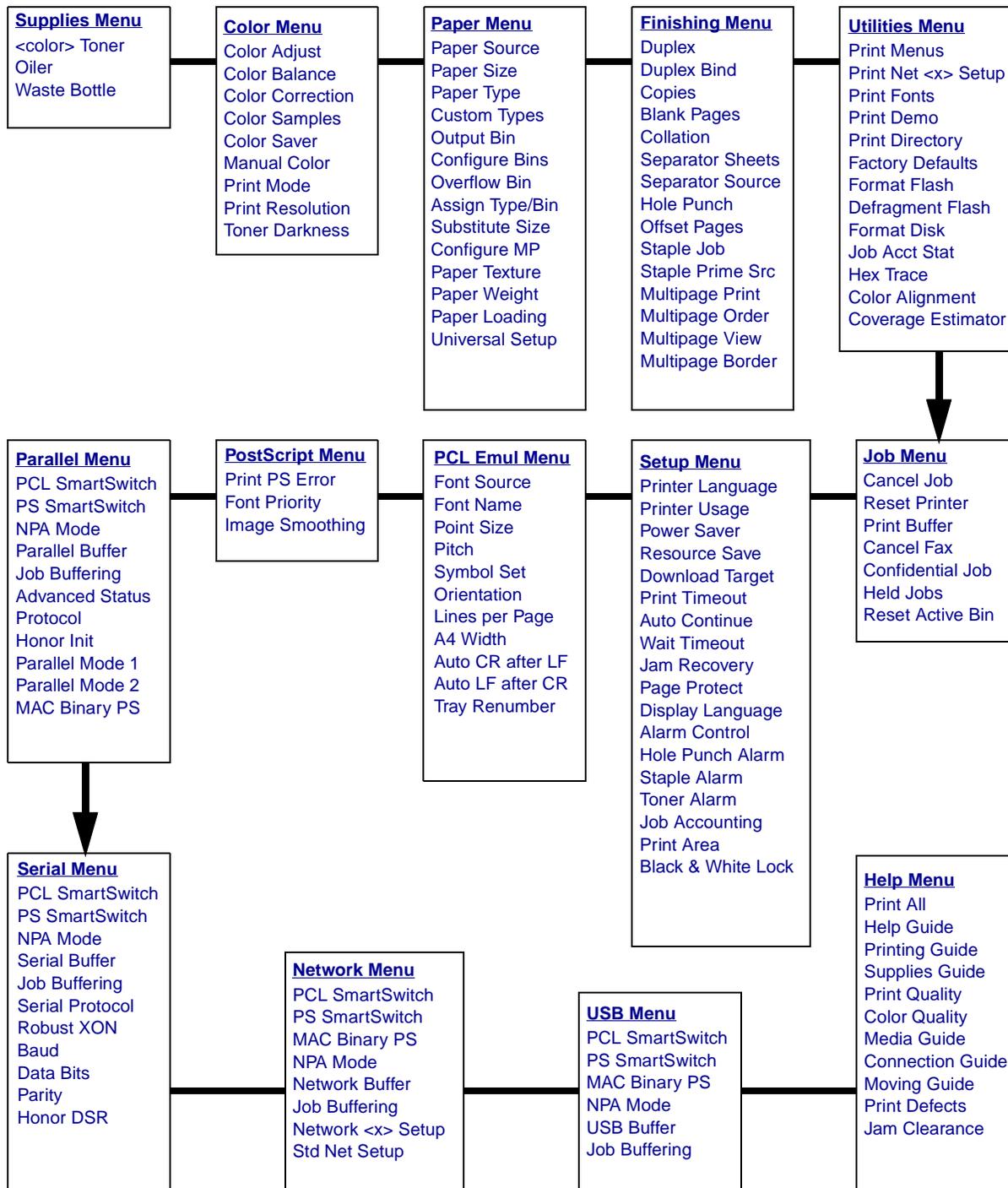
The following hints can help you avoid paper jams:

- Do not remove paper trays while a job is printing. Wait for a **Load Tray <x>** or **Ready** message before you remove the tray.
- Use only recommended paper.
- Do not load wrinkled, creased, or damp paper.
- Flex, fan, and straighten paper before you load it.
- Do not overload the trays or the multipurpose feeder. Make sure the stack height does not exceed the maximum height indicated.
- Push all trays *firmly* into the printer after loading them.
- Make sure the guides in the trays are properly positioned for the size paper you have loaded.
- Do not send jobs to staple, hole punch, or offset for transparencies, labels, or card stock.
- We recommend that transparencies, labels, card stock, and envelopes not be sent to the optional mailbox or optional finisher. These specialty media types should be sent to the standard bin.
- If an optional finisher or mailbox is attached to your printer, make sure the printer and option are correctly aligned. Refer to the *Setup Guide* that came with your printer or option for alignment instructions.
- Make sure all cables that connect the high capacity feeder or finisher to the printer are correctly attached. Refer to the *Setup Guide* for more information.
- If a jam should occur, clear the entire paper path.

# 5

## Using printer menus

Select a menu or menu item for more details.



## Color Menu

Use the Color Menu to adjust print quality and customize color printing.

**Note:** Values marked by an asterisk (\*) are the factory default settings.

| Menu Item               | Purpose   | Values  |   |
|-------------------------|---|---|---|
| <b>Color Adjust</b>     | To manually recalibrate the color conversion tables, adjusting for variations in output that can occur as a result of changing conditions, such as room temperature or humidity.  | No selections exist for this operation.<br>Pressing <b>Select</b> initiates this operation. |   |
| <b>Color Balance</b>    | To provide users with the ability to make subtle color adjustments to printed output by increasing or decreasing the amount of toner being used for each color plane individually.<br><b>Note:</b> This function is only applied to files printed using the PostScript driver.    | <b>Cyan</b>   | -5, -4, -3, -2, -1, 0*, 1, 2, 3, 4, 5   |
|                         |   | <b>Magenta</b>  | <ul style="list-style-type: none"> <li>-5 is maximum decrease</li> <li>5 is maximum increase</li> </ul>   |
|                         |   | <b>Yellow</b>   |   |
|                         |   | <b>Black</b>  |   |
|                         |   | <b>Reset Defaults</b>   | Sets values for Cyan, Magenta, Yellow, and Black to 0 (zero).   |
| <b>Color Correction</b> | To adjust the printed color to better match the colors of other output devices or standard color systems.<br><b>Note:</b> Due to the differences between additive and subtractive colors, certain colors that appear on your monitor are impossible to duplicate on your printer. | <b>Auto*</b>  | Applies different color conversion tables to each object on the printed page depending upon the type of object and how the color for each object is specified.  |
|                         |   | <b>Off</b>  | No color correction is implemented.   |
|                         |   | <b>Manual</b>   | Lets you customize the color conversion tables applied to each object on the printed page depending upon the type of object and how the color for each object is specified. Customization is performed using the selections available under the Manual Color menu item. |

| Menu Item            | Purpose  | Values              |   |
|----------------------|--|---------------------|---|
| <b>Color Samples</b> | <p>To assist users in selecting colors to be printed. Users can print color samples pages for each of the RGB and CMYK color conversion tables used in the printer.</p> <p>The color samples pages consist of a series of colored boxes along with the RGB or CMYK combination that creates the color observed for each particular box. These pages can be useful in helping users decide which RGB or CMYK combinations to use in their software applications to create the desired printed color output.</p> | <b>sRGB Display</b> | Prints RGB samples using sRGB Display color conversion tables.              |
|                      |  | <b>sRGB Vivid</b>   | Prints RGB samples using sRGB Vivid color conversion tables.                |
|                      |  | <b>Off–RGB</b>      | Prints RGB samples using Off (or no) color conversion tables.               |
|                      |  | <b>Vivid</b>        | Prints RGB samples using Vivid color conversion tables.                     |
|                      |  | <b>US CMYK</b>      | Prints CMYK samples using US CMYK color conversion tables.                  |
|                      |  | <b>Euro CMYK</b>    | Prints CMYK samples using Euro CMYK color conversion tables.                |
|                      |  | <b>Off–CMYK</b>     | Prints CMYK samples using Off (or no) color conversion tables.              |
|                      |  | <b>Vivid CMYK</b>   | Prints CMYK samples using Vivid CMYK color conversion tables.               |
| <b>Color Saver</b>   | To conserve toner. If selected, this setting overrides Toner Darkness settings.  | <b>Off*</b>         | Prints using Toner Darkness setting.  |
|                      |  | <b>On</b>           | Applies a lower Toner Darkness level.<br>Toner Darkness setting is ignored. |

| Menu Item               | Purpose   | Values                   |  |
|-------------------------|---|--------------------------|--|
| <b>Manual Color</b>     | To let users customize the RGB or CMYK color conversions applied to each object on the printed page. Color conversion of the data specified using RGB combinations can be customized based on object type (text, graphics, or image). | <b>RGB Image</b>         | <ul style="list-style-type: none"> <li>• <b>sRGB Display*</b>: Applies a color conversion table to produce output that approximates the colors displayed on a computer monitor.</li> <li>• <b>sRGB Vivid</b>: Increases color saturation for the sRGB Display color conversion table. Preferred for business graphics and text.</li> <li>• <b>Off</b>: No color conversion is implemented.</li> <li>• <b>Vivid</b>: Applies a color conversion table that produces brighter, more saturated colors.</li> </ul> |
|                         |   | <b>RGB Text</b>          | <ul style="list-style-type: none"> <li>• <b>sRGB Display</b></li> <li>• <b>sRGB Vivid*</b></li> <li>• <b>Off</b></li> <li>• <b>Vivid</b></li> </ul>  |
|                         |   | <b>RGB Graphics</b>      | <ul style="list-style-type: none"> <li>• <b>US CMYK</b> (<i>default for 120V machines</i>): Applies a color conversion table to approximate SWOP color output.</li> <li>• <b>Euro CMYK</b> (<i>default for 220V machines</i>): Applies color conversion table to approximate EuroScale color output.</li> <li>• <b>Vivid CMYK</b>: Increases color saturation for the US CMYK color conversion table.</li> <li>• <b>Off</b>: No color conversion is implemented.</li> </ul>                                    |
| <b>Print Mode</b>       | To determine whether files are printed in a monochrome grayscale or in color.   | <b>Color*</b>            |  |
|                         |   | <b>Black &amp; White</b> |  |
| <b>Print Resolution</b> | To define the number of dots printed per inch (dpi).  | <b>4800 CQ*</b>          | Default setting.   |
|                         |   | <b>1200 dpi</b>          | Provides the highest resolution output which generates preferable output for certain images and graphics. This setting also provides increased gloss.  |

| Menu Item             | Purpose  | Values |   |
|-----------------------|--|--------|---|
| <b>Toner Darkness</b> | To lighten or darken printed output, or conserve toner.<br><b>Note:</b> Setting Toner Darkness to values of 1, 2, or 3 is only effective when using the PostScript driver. | 5      | If Print Mode is Black & White, a setting of 5 increases toner density and darkness to all print jobs (PCL or PostScript). If Print Mode is Color, a setting of 5 is the same as 4. |
|                       |  | 4*     | Default toner darkness setting.   |
|                       |  | 3      | Reduction in toner consumption.   |
|                       |  | 2      | Further reduction in toner consumption.   |
|                       |  | 1      | Maximum reduction in toner consumption.   |

## Finishing Menu

Use the Finishing Menu to define how the printer delivers the printed output.

**Note:** Values marked by an asterisk (\*) are the factory default settings.

| Menu Item          | Purpose  | Values        |  |
|--------------------|--|---------------|--|
| <b>Blank Pages</b> | To specify whether to include application-generated blank pages as part of your printed output.  | Do Not Print* | Does not print application-generated blank pages as part of your job.  |
|                    |  | Print         | Prints application-generated blank pages as part of your job.  |
| <b>Collation</b>   | To keep the pages of a print job stacked in sequence when printing multiple copies of the job.   | Off*          | Prints each page of a job the number of times specified by the Copies menu item. For example, if you set Copies to 2 and send three pages to print, the printer prints page 1, page 1, page 2, page 2, page 3, page 3. |
|                    |  | On            | Prints entire job the number of times specified by the Copies menu item. For example, if you set Copies to 2 and send three pages to print, the printer prints page 1, page 2, page 3, page 1, page 2, page 3.         |
| <b>Copies</b>      | To set the number of copies you want for the printer default value. (Set the number of copies required for a specific job from the printer driver. Values selected from the printer driver always override values selected from the operator panel.) | 1...999 (1*)  |  |
| <b>Duplex</b>      | To set duplexing as the default for all print jobs. (Select Duplex from the printer driver to duplex only specific jobs.)  | Off*          | Prints on one side of the paper.   |
|                    |  | On            | Prints on both sides of the paper.   |

| Menu Item  | Purpose   | Values   |   |                |  |                        |  |   |   |  |   |  |   |   |  |   |  |   |   |   |   |  |   |   |   |
|--|---|--|---|----------------|--|------------------------|--|---|---|--|---|--|---|---|--|---|--|---|---|---|---|--|---|---|---|
| <b>Duplex Bind</b>   | To define the way duplexed pages would be bound, and how the printing on the back of the sheet (even-numbered pages) is oriented in relation to the printing on the front (odd-numbered pages).   | <b>Long Edge*</b>  | Assumes binding along the long end of the page (left edge for portrait orientation and top edge for landscape orientation).   |                |  |                        |  |   |   |  |   |  |   |   |  |   |  |   |   |   |   |  |   |   |   |
|  |   | <b>Short Edge</b>  | Assumes binding along the short edge of the page (top edge for portrait orientation and left edge for landscape orientation). |                |  |                        |  |   |   |  |   |  |   |   |  |   |  |   |   |   |   |  |   |   |   |
| <b>Hole Punch</b>  | To punch holes along the edge of all printed output. (Select Hole Punch from the printer driver to punch holes only in output for a specific job.)  | <b>Off*</b>  | Does not punch holes in printed output.   |                |  |                        |  |   |   |  |   |  |   |   |  |   |  |   |   |   |   |  |   |   |   |
|  |   | <b>On</b>  | Punches holes in every printed page.  |                |  |                        |  |   |   |  |   |  |   |   |  |   |  |   |   |   |   |  |   |   |   |
| <b>Multipage Border</b>  | To print a border around each page image when using Multipage Print.  | <b>None*</b>   | Does not print a border around each page image.   |                |  |                        |  |   |   |  |   |  |   |   |  |   |  |   |   |   |   |  |   |   |   |
|  |   | <b>Solid</b>   | Prints a solid line border around each page image.  |                |  |                        |  |   |   |  |   |  |   |   |  |   |  |   |   |   |   |  |   |   |   |
| <b>Multipage Order</b>   | To determine the positioning of multiple page images when using Multipage Print. The positioning depends on the number of images and whether the images are portrait or landscape in orientation. | <b>Horizontal*</b>   |   |                |  |                        |  |   |   |  |   |  |   |   |  |   |  |   |   |   |   |  |   |   |   |
|  |   | <b>Vertical</b>  |   |                |  |                        |  |   |   |  |   |  |   |   |  |   |  |   |   |   |   |  |   |   |   |
|  |   | <b>Rev Horizontal</b>  |   |                |  |                        |  |   |   |  |   |  |   |   |  |   |  |   |   |   |   |  |   |   |   |
|  |   | <b>Rev Vertical</b>  |   |                |  |                        |  |   |   |  |   |  |   |   |  |   |  |   |   |   |   |  |   |   |   |
|  | For example, if you select 4-Up multipage printing and portrait orientation, the results differ depending on the Multipage Order value you select:  | <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th>Horizontal Order</th> <th>Vertical Order</th> <th>Reverse Horizontal Order</th> <th>Reverse Vertical Order</th> </tr> </thead> <tbody> <tr> <td><table border="1" style="width: 50%; text-align: center;"><tr><td>1</td><td>2</td></tr><tr><td>3</td><td>4</td></tr></table></td> <td><table border="1" style="width: 50%; text-align: center;"><tr><td>1</td><td>3</td></tr><tr><td>2</td><td>4</td></tr></table></td> <td><table border="1" style="width: 50%; text-align: center;"><tr><td>2</td><td>1</td></tr><tr><td>4</td><td>3</td></tr></table></td> <td><table border="1" style="width: 50%; text-align: center;"><tr><td>3</td><td>1</td></tr><tr><td>4</td><td>2</td></tr></table></td> </tr> </tbody> </table> | Horizontal Order  | Vertical Order | Reverse Horizontal Order   | Reverse Vertical Order | <table border="1" style="width: 50%; text-align: center;"><tr><td>1</td><td>2</td></tr><tr><td>3</td><td>4</td></tr></table> | 1 | 2 | 3  | 4 | <table border="1" style="width: 50%; text-align: center;"><tr><td>1</td><td>3</td></tr><tr><td>2</td><td>4</td></tr></table> | 1 | 3 | 2  | 4 | <table border="1" style="width: 50%; text-align: center;"><tr><td>2</td><td>1</td></tr><tr><td>4</td><td>3</td></tr></table> | 2 | 1 | 4 | 3 | <table border="1" style="width: 50%; text-align: center;"><tr><td>3</td><td>1</td></tr><tr><td>4</td><td>2</td></tr></table> | 3 | 1 | 4 |
| Horizontal Order   | Vertical Order  | Reverse Horizontal Order   | Reverse Vertical Order  |                |  |                        |  |   |   |  |   |  |   |   |  |   |  |   |   |   |   |  |   |   |   |
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| 1  | 2   |  |   |                |  |                        |  |   |   |  |   |  |   |   |  |   |  |   |   |   |   |  |   |   |   |
| 3  | 4   |  |   |                |  |                        |  |   |   |  |   |  |   |   |  |   |  |   |   |   |   |  |   |   |   |
| 1  | 3   |  |   |                |  |                        |  |   |   |  |   |  |   |   |  |   |  |   |   |   |   |  |   |   |   |
| 2  | 4   |  |   |                |  |                        |  |   |   |  |   |  |   |   |  |   |  |   |   |   |   |  |   |   |   |
| 2  | 1   |  |   |                |  |                        |  |   |   |  |   |  |   |   |  |   |  |   |   |   |   |  |   |   |   |
| 4  | 3   |  |   |                |  |                        |  |   |   |  |   |  |   |   |  |   |  |   |   |   |   |  |   |   |   |
| 3  | 1   |  |   |                |  |                        |  |   |   |  |   |  |   |   |  |   |  |   |   |   |   |  |   |   |   |
| 4  | 2   |  |   |                |  |                        |  |   |   |  |   |  |   |   |  |   |  |   |   |   |   |  |   |   |   |
| <b>Multipage Print</b>   | To print multiple page images on one side of a sheet of paper. Also called <i>n-up</i> or <i>Paper Saver</i> .  | <b>Off*</b>  | Prints 1 page image per side.   |                |  |                        |  |   |   |  |   |  |   |   |  |   |  |   |   |   |   |  |   |   |   |
|  |   | <b>2 Up</b>  | Prints 2 page images per side.  |                |  |                        |  |   |   |  |   |  |   |   |  |   |  |   |   |   |   |  |   |   |   |
|  |   | <b>3 Up</b>  | Prints 3 page images per side.  |                |  |                        |  |   |   |  |   |  |   |   |  |   |  |   |   |   |   |  |   |   |   |
|  |   | <b>4 Up</b>  | Prints 4 page images per side.  |                |  |                        |  |   |   |  |   |  |   |   |  |   |  |   |   |   |   |  |   |   |   |
|  |   | <b>6 Up</b>  | Prints 6 page images per side.  |                |  |                        |  |   |   |  |   |  |   |   |  |   |  |   |   |   |   |  |   |   |   |
|  |   | <b>9 Up</b>  | Prints 9 page images per side.  |                |  |                        |  |   |   |  |   |  |   |   |  |   |  |   |   |   |   |  |   |   |   |
|  |   | <b>12 Up</b>   | Prints 12 page images per side.   |                |  |                        |  |   |   |  |   |  |   |   |  |   |  |   |   |   |   |  |   |   |   |
|  |   | <b>16 Up</b>   | Prints 16 page images per side.   |                |  |                        |  |   |   |  |   |  |   |   |  |   |  |   |   |   |   |  |   |   |   |

| Menu Item               | Purpose   | Values                          |  |
|-------------------------|---|---------------------------------|--|
| <b>Multipage View</b>   | To determine the orientation of a multipage sheet.  | <b>Auto*</b>                    | Lets the printer choose between portrait and landscape orientation.  |
|                         |   | <b>Long Edge</b>                | Sets the long edge of the paper as the top of the page (landscape).  |
|                         |   | <b>Short Edge</b>               | Sets the short edge of the paper as the top of the page (portrait).  |
| <b>Offset Pages</b>     | To offset the output of each print job or each copy of a print job, making it easier to separate the documents stacked in the finisher output bin.  | <b>None*</b>                    | Stacks all sheets directly on top of each other.   |
|                         |   | <b>Between Copies</b>           | Offsets each copy of a print job.  |
|                         |   | <b>Between Jobs</b>             | Offsets each print job.  |
| <b>Separator Sheets</b> | To insert blank separator sheets between jobs, between multiple copies of a job, or between each page of a job.   | <b>None*</b>                    | Does not insert separator sheets.  |
|                         |   | <b>Between Copies</b>           | Inserts a blank sheet between each copy of a job. If Collation is Off, a blank page is inserted between each set of printed pages (all page 1's, all page 2's, and so on). If Collation is On, a blank page is inserted between each collated copy of the job. |
|                         |   | <b>Between Jobs</b>             | Inserts a blank sheet between jobs.  |
|                         |   | <b>Between Pages</b>            | Inserts a blank sheet between each page of a job. This is useful if you are printing transparencies or want to insert blank pages in a document for notes.   |
| <b>Separator Source</b> | To specify the paper source that holds separator sheets.  | <b>Tray &lt;x&gt; (Tray 1*)</b> | Selects separator sheets from the specified tray.  |
|                         |   | <b>MP Feeder</b>                | Selects separator sheets from the multipurpose feeder. (You must also set Configure MP to Cassette.)   |
| <b>Staple Job</b>       | To set stapling as the default for all print jobs. (Select stapling from the printer driver if you want to staple only specific jobs.)  | <b>Off*</b>                     | Does not staple print jobs.  |
|                         |   | <b>On</b>                       | Staples each print job sent to the printer.  |
| <b>Staple Prime Src</b> | To specify the paper source you want the printer to use when it primes the stapler. When a staple cartridge is replaced or a staple jam is cleared, the printer may need to prime the stapler by stapling a sheet of paper several times. | <b>Tray &lt;x&gt; (Tray 1*)</b> | Selects paper from the specified tray.   |
|                         |   | <b>MP Feeder</b>                | Selects paper from the multipurpose feeder.  |

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## Help Menu

Use the Help Menu to print any of the following quick reference guides. Press **Select** to print the selected guide.

| Menu Item               | Purpose  |
|-------------------------|--|
| <b>Print All</b>        | Prints all the quick reference pages at once.  |
| <b>Help Guide</b>       | Provides information about how to use the Help Menu and how to get online help.                                    |
| <b>Printing Guide</b>   | Provides information about how to load trays, printing on specialty media, and how to set the paper size and type. |
| <b>Supplies Guide</b>   | Lists available supplies.  |
| <b>Print Quality</b>    | Provides information about print quality problems and solutions.   |
| <b>Color Quality</b>    | Provides information about how to get the best color performance.  |
| <b>Media Guide</b>      | Provides details about supported print media   |
| <b>Connection Guide</b> | Provides instructions about how to connect the printer to a computer or network.                                   |
| <b>Moving Guide</b>     | Provides helpful information about how to pack up the printer before moving it.                                    |
| <b>Print Defects</b>    | Provides guidelines for solving repetitive print defects.  |
| <b>Jam Clearance</b>    | Provides directions about how to clear jams.   |

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## Job Menu

The Job Menu is only available when the printer is busy processing or printing a job, when a printer message is displayed, or when the printer is in Hex Trace mode. Press **Menu** to open the Job Menu.

| Menu Item         | Purpose  | Values   |  |
|-------------------|--|----------|--|
| <b>Cancel Fax</b> | To cancel outgoing faxes before they are transmitted or to cancel incoming faxes before they finish printing.                                    | <b>R</b> | Cancels an incoming fax. When the fax number for the sending machine is displayed, press <b>Select</b> to cancel the incoming fax.   |
|                   |  | <b>D</b> | Cancels an outgoing fax. When the fax number for the receiving machine is displayed, press <b>Select</b> to cancel the fax job. If the telephone number of the fax you want to cancel is not displayed, use the <b>Menu</b> button to scroll through the list. The printer can display up to five outgoing fax numbers in the outgoing fax queue. When more than five faxes are in the queue, the next fax job appears on the display as an outgoing fax is transmitted or canceled. |
| <b>Cancel Job</b> | To cancel the current print job.<br><b>Note:</b> Cancel Job is only displayed if the printer is processing a job or has a job in printer memory. |          |  |

| Menu Item  | Purpose  | Values  |
|--|--|---|
| <b>Confidential Job</b>  | To print confidential jobs stored in printer memory.<br><b>Note:</b> When the confidential job prints, it is automatically deleted from printer memory.  |   |
|  | 1 Enter the Personal Identification Number (PIN) associated with your confidential job.  | <b>Enter PIN</b><br>Use the operator panel buttons to enter the PIN associated with your confidential job.  |
|  | 2 Then select a value:   | <b>Print All Jobs</b><br>Prints all jobs associated with your PIN.  |
|  |  | <b>Print A Job</b><br>Prints the specified confidential job. Press <b>Menu</b> to scroll through the list of confidential jobs associated with your PIN. Press <b>Select</b> to print a specific job.   |
|  |  | <b>Delete All Jobs</b><br>Deletes all jobs associated with your PIN.  |
|  |  | <b>Delete A Job</b><br>Deletes the specified confidential job. Press <b>Menu</b> to scroll through the list of Confidential Jobs associated with your PIN. Press <b>Select</b> to delete a specific job.  |
| <b>Copies</b><br>Determines the number of copies printed for each confidential job. Press <b>Menu</b> to scroll through the list of confidential jobs associated with your PIN. Press <b>Select</b> to specify the job you want to print. Press <b>Menu</b> to increase or decrease the number of copies, and then press <b>Select</b> . |  |   |
| <b>Held Jobs</b>   | To print Reserve Print, Repeat Print, or Verify Print jobs stored in printer memory.   | <b>Print All Jobs</b><br>Prints all held jobs.  |
|  |  | <b>Print A Job</b><br>Prints the specified held job. Press <b>Menu</b> to scroll through the list of held jobs. Press <b>Select</b> to print the specific job.  |
|  |  | <b>Delete All Jobs</b><br>Deletes all held jobs.  |
|  |  | <b>Delete A Job</b><br>Deletes the designated held job. Press <b>Menu</b> to scroll through the list of held jobs. Press <b>Select</b> to delete the job.   |
|  |  | <b>Copies</b><br>Determines the number of copies for each held job. Press <b>Menu</b> to scroll through the list of held jobs. Press <b>Select</b> to specify the job you want to print. Press <b>Menu</b> to increase or decrease the number of copies, and then press <b>Select</b> . |
| <b>Print Buffer</b>  | To print any data stored in the print buffer.<br><b>Note:</b> Print Buffer is only available when you enter the Job Menu while <b>waiting</b> is displayed. The Waiting state occurs if an incomplete job is sent to the printer or an ASCII job, such as a print screen command, is printing. |   |

| Menu Item               | Purpose   | Values |
|-------------------------|---|--------|
| <b>Reset Active Bin</b> | To define the active bin as the start bin (the first bin to receive printed output) in a set of linked bins.  |        |
| <b>Reset Printer</b>    | To reset the printer to the user default value for each menu item, delete all downloaded resources (fonts, macros, and symbol sets) stored in printer memory (RAM), and delete all data in the interface link buffer.<br>Before selecting Reset Printer, exit the software application you are using. |        |

## Network Menu

Use the Network Menu to change printer settings affecting jobs sent to the printer through a network port (either Standard Network or Network Opt <x>).

**Note:** Values marked by an asterisk (\*) are the factory default settings.

| Menu Item                      | Purpose   | Values  |
|--------------------------------|---|---|
| <b>Job Buffering</b>           | To temporarily store jobs on the printer hard disk before printing.<br><b>Note:</b> Changing this menu item automatically resets the printer. | <b>Off*</b><br>Does not buffer jobs to the hard disk.   |
|                                |   | <b>On</b><br>Buffers print jobs to the hard disk.   |
|                                |   | <b>Auto</b><br>Buffers print jobs only if the printer is busy processing data from another input port.  |
| <b>MAC Binary PS</b>           | To configure the printer to process Macintosh binary PostScript print jobs.   | <b>On</b><br>Printer processes raw binary PostScript print jobs from computers using the Macintosh operating system.<br><b>Note:</b> This setting often causes Windows print jobs to fail.  |
|                                |   | <b>Off</b><br>Printer filters PostScript print jobs using standard protocol.  |
|                                |   | <b>Auto*</b><br>Printer processes print jobs from computers using either Windows or Macintosh operating systems.  |
| <b>Network Buffer</b>          | To configure the size of the network input buffer.<br><b>Note:</b> Changing the Network Buffer menu item automatically resets the printer.    | <b>Auto*</b><br>Printer automatically calculates the Network Buffer size (recommended setting).   |
|                                |   | <b>3K to maximum size allowed</b><br>User specifies the Network Buffer size. The maximum size depends on the amount of memory in your printer, the size of the other link buffers, and whether Resource Save is set to On or Off. To maximize the range for the Network Buffer size, disable or reduce the size of the parallel, serial, and USB buffers. |
| <b>Network &lt;x&gt; Setup</b> | To configure an internal print server.  | Values for this menu item are supplied by the specific print server. Select the menu item to see the available values.<br><b>Note:</b> Refer to the documentation on the drivers CD for more information.   |

| Menu Item              | Purpose   | Values  |  |
|------------------------|---|---|--|
| <b>NPA Mode</b>        | To specify whether the printer performs the special processing required for bidirectional communication, following the conventions defined in the Network Printing Alliance (NPA) Protocol.<br><b>Note:</b> Changing this menu item automatically resets the printer. | <b>Off</b>  | Printer does not perform NPA processing.   |
|                        |   | <b>Auto*</b>  | Printer examines the data to determine the format and then processes it appropriately.   |
| <b>PCL SmartSwitch</b> | To configure the printer so it automatically switches to PCL emulation when a print job received through the network port requires it, regardless of the default printer language.  | <b>On*</b>  | Printer examines data on the network interface and selects PCL emulation if the data indicates that is the required printer language.  |
|                        |   | <b>Off</b>  | Printer does not examine the incoming data. The printer uses PostScript emulation to process the job if PS SmartSwitch is On, or uses the default printer language specified in the Setup Menu if PS SmartSwitch is Off. |
| <b>PS SmartSwitch</b>  | To configure the printer so it automatically switches to PostScript emulation when a print job received through the network port requires it, regardless of the default printer language.   | <b>On*</b>  | Printer examines data on the network interface connection and selects PostScript emulation if the data indicates that is the required printer language.  |
|                        |   | <b>Off</b>  | Printer does not examine the incoming data. The printer uses PCL emulation to process the job if PCL SmartSwitch is On, or uses the default printer language specified in the Setup Menu if PCL SmartSwitch is Off.      |
| <b>Std Net Setup</b>   | To configure an internal print server.  | Values for this menu item are supplied by the specific print server. Select the menu item to see the available values.<br><b>Note:</b> Refer to the documentation on the drivers CD for more information. |  |

## Parallel Menu

Use the Parallel Menu to change printer settings affecting jobs sent to the printer through a parallel port (either Std Parallel or Parallel Opt <x>).

**Note:** Values marked by an asterisk (\*) are the factory default settings.

| Menu Item              | Purpose   | Values       |   |
|------------------------|---|--------------|---|
| <b>Advanced Status</b> | To enable bidirectional communication through the parallel port.  | <b>Off</b>   | Disables parallel port negotiation.   |
|                        |   | <b>On*</b>   | Enables bidirectional communication through the parallel interface.   |
| <b>Honor Init</b>      | To determine whether the printer honors hardware initialization requests from the computer. The computer requests initialization by activating the INIT signal on the parallel interface. Many personal computers activate the INIT signal each time the computer is turned on and off. | <b>Off*</b>  | Printer does not honor hardware initialization requests from the computer.  |
|                        |   | <b>On</b>    | Printer honors hardware initialization requests from the computer.  |
| <b>Job Buffering</b>   | To temporarily store jobs on the printer hard disk before printing.<br><b>Note:</b> Changing this menu item automatically resets the printer.   | <b>Off*</b>  | Does not buffer print jobs to the hard disk.  |
|                        |   | <b>On</b>    | Buffers print jobs to the hard disk.  |
|                        |   | <b>Auto</b>  | Buffers print jobs only if the printer is busy processing data from another input port.   |
| <b>MAC Binary PS</b>   | To configure the printer to process Macintosh binary PostScript print jobs.   | <b>On</b>    | Printer processes raw binary PostScript print jobs from computers using the Macintosh operating system.<br><b>Note:</b> This setting often causes Windows print jobs to fail. |
|                        |   | <b>Off</b>   | Printer filters PostScript print jobs using standard protocol.  |
|                        |   | <b>Auto*</b> | Printer processes print jobs from computers using either Windows or Macintosh operating systems.  |
| <b>NPA Mode</b>        | To specify whether the printer performs the special processing required for bidirectional communication, following the conventions defined in the Network Printing Alliance (NPA) Protocol.<br><b>Note:</b> Changing this menu item automatically resets the printer.                   | <b>On</b>    | Printer performs NPA processing. If data is not in NPA format, it is rejected as bad data.  |
|                        |   | <b>Off</b>   | Printer does not perform NPA processing.  |
|                        |   | <b>Auto*</b> | Printer examines data and determines the format and then processes it appropriately.  |

| Menu Item              | Purpose  | Values                            |   |
|------------------------|--|-----------------------------------|---|
| <b>Parallel Buffer</b> | To configure the size of the parallel input buffer.<br><b>Note:</b> Changing this menu item automatically resets the printer.  | <b>Disabled</b>                   | Disables job buffering. Any jobs already buffered on the disk are printed before normal processing of incoming jobs resumes.  |
|                        |  | <b>Auto*</b>                      | Printer automatically calculates the Parallel Buffer size (recommended setting).  |
|                        |  | <b>3K to maximum size allowed</b> | User specifies the Parallel Buffer size. The maximum size depends on the amount of memory in your printer, the size of the other link buffers, and whether Resource Save is set to On or Off. To maximize the range for the Parallel Buffer size, disable or reduce the size of the serial and USB buffers. |
| <b>Parallel Mode 1</b> | To control the pull-up resistors on the parallel port signals. This menu item is useful for personal computers that have open collector outputs on the parallel port signals.              | <b>On</b>                         | Disables the resistors.   |
|                        |  | <b>Off*</b>                       | Enables the resistors.  |
| <b>Parallel Mode 2</b> | To determine whether the parallel port data is sampled on the leading or trailing edge of strobe.  | <b>On*</b>                        | Samples parallel port data on the leading edge of strobe.   |
|                        |  | <b>Off</b>                        | Samples parallel port data on the trailing edge of strobe.  |
| <b>PCL SmartSwitch</b> | To configure the printer so it automatically switches to PCL emulation when a print job received through the parallel port requires it, regardless of the default printer language.        | <b>On*</b>                        | Printer examines data on the parallel interface and selects PCL emulation if the data indicates that is the required printer language.  |
|                        |  | <b>Off</b>                        | Printer does not examine the incoming data. The printer uses PostScript emulation to process the job if PS SmartSwitch is On, or uses the default printer language specified in the Setup Menu if PS SmartSwitch is Off.  |
| <b>PS SmartSwitch</b>  | To configure the printer so it automatically switches to PostScript emulation when a print job received through the parallel port requires it, regardless of the default printer language. | <b>On*</b>                        | Printer examines data on the parallel interface and selects PostScript emulation if the data indicates that is the required printer language.   |
|                        |  | <b>Off</b>                        | Printer does not examine the incoming data. The printer uses PCL emulation to process the job if PCL SmartSwitch is On, or uses the default printer language specified in the Setup Menu if PCL SmartSwitch is Off.   |
| <b>Protocol</b>        | To specify the parallel interface protocol.  | <b>Standard</b>                   | May resolve some parallel interface problems.   |
|                        |  | <b>Fastbytes*</b>                 | Provides compatibility with most existing parallel interface implementations (recommended setting).   |

## PCL Emul Menu

Use the PCL Emul Menu to change printer settings that only affect jobs using the PCL emulation printer language.

**Note:** Values marked by an asterisk (\*) are the factory default settings.

| Menu Item               | Purpose  | Values   |   |
|-------------------------|--|--|---|
| <b>A4 Width</b>         | To select the width of the logical page for A4 size paper.   | <b>198 mm*</b>   | Makes the logical page compatible with the Hewlett-Packard LaserJet 5 Printer.  |
|                         |  | <b>203 mm</b>  | Makes the logical page wide enough to print eighty 10-pitch characters.   |
| <b>Auto CR after LF</b> | To specify whether the printer automatically performs a carriage return after a line feed control command. | <b>Off*</b>  | Printer does not perform a carriage return after a line feed control command.   |
|                         |  | <b>On</b>  | Printer performs a carriage return after a line feed control command.   |
| <b>Auto LF after CR</b> | To specify whether the printer automatically performs a line feed after a carriage return control command. | <b>Off*</b>  | Printer does not perform a line feed after a carriage return control command.   |
|                         |  | <b>On</b>  | Printer performs a line feed after a carriage return control command.   |
| <b>Font Name</b>        | To choose a specific font from the specified font source.  | <b>R0 Courier 10*</b>  | The font name and font ID for all fonts in the selected font source are displayed. The font source abbreviation is R for resident, F for flash, K for disk, and D for download.   |
| <b>Font Source</b>      | To determine the set of fonts displayed in the Font Name menu item.  | <b>Resident*</b>   | Displays all fonts resident in printer RAM when the printer ships from the factory.   |
|                         |  | <b>Download</b>  | Displays all fonts downloaded to printer RAM.   |
|                         |  | <b>Flash</b>   | Displays all fonts stored in flash memory.  |
|                         |  | <b>Disk</b>  | Displays all fonts stored on the printer hard disk.   |
|                         |  | <b>All</b>   | Displays all fonts available to the printer from all sources.   |
| <b>Lines per Page</b>   | To determine the number of lines that print on each page.  | <b>1...255</b>   | The printer sets the amount of space between each line (vertical line spacing) based on the Lines per Page, Paper Size, and Orientation menu items. Select the correct Paper Size and Orientation before changing Lines per Page. |
|                         |  | <b>60*</b><br>(country/region-specific factory default values) |   |
|                         |  | <b>64*</b><br>(country/region-specific factory default values) |   |

| Menu Item                      | Purpose  | Values  |   |
|--------------------------------|--|---|---|
| <b>Orientation</b>             | To determine how text and graphics are oriented on the page.   | <b>Portrait*</b>  | Prints text and graphics parallel to the short edge of the paper.   |
|                                |  | <b>Landscape</b>  | Prints text and graphics parallel to the long edge of the paper.  |
| <b>Pitch</b>                   | To specify the font pitch for scalable monospaced fonts.   | <b>0.08...100</b><br>(in increments of 0.01 cpi)                                      | Pitch refers to the number of fixed-space characters in a horizontal inch of type. You can select a pitch from 0.08 to 100 characters per inch (cpi) in increments of 0.01 cpi. For nonscalable monospaced fonts, the pitch is displayed, but cannot be changed.<br><b>Note:</b> Pitch is only displayed for fixed, or monospaced, fonts.       |
|                                |  | <b>10*</b>  |   |
| <b>Point Size</b>              | To change the point size for scalable typographic fonts.   | <b>1...1008</b><br>in increments of 0.25 points)                                      | Point size refers to the height of the characters in the font. One point equals approximately 1/72 of an inch. You can select point sizes from 1 to 1008 in increments of 0.25 points.<br><b>Note:</b> Point Size is only displayed for typographic fonts.  |
|                                |  | <b>12*</b>  |   |
| <b>Symbol Set</b>              | To choose a symbol set for a specified font name.  | <b>10U PC-8*</b><br>(country/region-specific factory default values)                  | A symbol set is a set of alphabetic and numeric characters, punctuation, and special symbols used when printing with a selected font. Symbol sets support the different requirements for languages or specific applications, such as math symbols for scientific text. Only the symbol sets supported for the selected font name are displayed. |
|                                |  | <b>12U PC-850*</b><br>(country/region-specific factory default values)                |   |
| <b>Tray Renumber</b>           | To configure your printer to work with printer drivers or applications that use different source assignments for the paper trays.<br><b>Note:</b> Refer to the <i>Technical Reference</i> for more information about assigning source numbers. |   |   |
|                                | 1 Select a paper source.   | <b>Assign Tray &lt;x&gt;</b>  |   |
|                                |  | <b>Assign MP Feeder</b>   |   |
|                                |  | <b>Assign Man Env</b>   |   |
|                                |  | <b>Assign Man Paper</b>   |   |
|                                | 2 Select a value.  | <b>Off*</b>   | Printer uses factory default paper source assignments.  |
|                                |  | <b>0...199</b>  | Select a numeric value to assign a custom value to a paper source.  |
| <b>None</b>                    |  | Paper source ignores the Select Paper Feed command.                                   |   |
| Other Tray Renumber selections | <b>View Factory Def</b>  | Press <b>Menu</b> to display the factory default value assigned to each paper source. |   |
|                                | <b>Restore Defaults</b>  | Select <b>Yes</b> to return all tray assignments to factory default values.           |   |

## Paper Menu

Use the Paper Menu to define the paper loaded in each paper tray and the default paper source and output bin.

**Note:** Values marked by an asterisk (\*) are the factory default settings.

| Menu Item                   | Purpose   | Values   |  |
|-----------------------------|---|--|--|
| <b>Assign Type/<br/>Bin</b> | To send print jobs to a specific output bin based on the requested paper type.<br><br><b>Note:</b> If a user-defined name is available, it is displayed instead of Custom <x> Bin. The name is truncated to 14 characters. If two or more bins share the same name, the name only appears once in the Assign Type/Bin value list. | <b>Plain Paper Bin</b>   |  |
|                             |   | <b>Card Stock Bin</b>  |  |
|                             |   | <b>Transparency Bin</b>  |  |
|                             |   | <b>Glossy Paper Bin</b>  |  |
|                             |   | <b>Labels Bin</b>  |  |
|                             |   | <b>Bond Bin</b>  |  |
|                             |   | <b>Envelope Bin</b>  |  |
|                             |   | <b>Letterhead Bin</b>  |  |
|                             |   | <b>Preprinted Bin</b>  |  |
|                             |   | <b>Colored Bin</b>   |  |
|                             |   | <b>Custom &lt;x&gt; Bin</b> (where <x> represents 1 through 6) |  |
| <b>Configure<br/>Bins</b>   | To determine which output bin(s) the printer uses for a particular job.   | <b>Mailbox*</b>  | Sends print jobs to the output bin designated for that user.   |
|                             |   | <b>Link</b>  | Links two or more bins together as though they were one large bin. When one linked bin is full, the printer starts filling the next linked bin, and continues with each additional linked bin. |
|                             |   | <b>Mail Overflow</b>   | Sends print jobs to the output bin designated for that user until it is full, and then sends jobs to the designated overflow bin.  |
|                             |   | <b>Link Optional</b>   | Links all optional output bins as though they were one large bin, while leaving the standard bin individually addressable.   |
|                             |   | <b>Type Assignment</b>   | Sends each job to the output bin specified for that paper type.  |

| Menu Item           | Purpose  | Values   |  |
|---------------------|--|--|--|
| <b>Configure MP</b> | To determine when the printer selects paper loaded in the multipurpose feeder.   | <b>Cassette*</b>   | Printer treats the multipurpose feeder like any other paper tray. If a print job requests a paper size or type that is only loaded in the multipurpose feeder, the printer pulls paper from the multipurpose feeder for the job.                               |
|                     |  | <b>Manual</b>  | Printer treats the multipurpose feeder like a manual feed tray, and displays <b>Load Manual</b> when you need to insert a single sheet of paper in the feeder.   |
|                     |  | <b>First</b>   | Printer pulls paper from the multipurpose feeder until it is empty, regardless of the paper source or paper size requested for the job.  |
| <b>Custom Types</b> | To specify the kind of paper associated with each of the Custom Types available in the Paper Type menu item.   | Values for Custom Type <x>, where <x> represents 1, 2, 3, 4, 6 (paper only), or 5 (transparencies only): |  |
|                     |  | <b>Paper*</b>  | <b>Note:</b> If a user-defined name is available, it is displayed instead of Custom Type <x>. The user-defined name is truncated to 14 characters. If two or more custom types share the same name, the name only appears once in the Custom Types value list. |
|                     |  | <b>Card Stock</b>  |  |
|                     |  | <b>Transparency</b>  |  |
|                     |  | <b>Glossy Paper</b>  |  |
|                     |  | <b>Labels</b>  |  |
| <b>Envelope</b>     |  |  |  |
| <b>Output Bin</b>   | To specify the default bin for printed material.   | <b>Standard Bin*</b>   | <b>Note:</b> If a user-defined name is available, it is displayed instead of Bin <x>. The name is truncated to 14 characters. If two or more bins share the same name, the name only appears once in the Output Bin value list.                                |
|                     |  | <b>Bin &lt;x&gt;</b>   |  |
| <b>Overflow Bin</b> | To designate an output bin as the overflow bin. If Configure Bins is set to Mail Overflow and a specific output bin is full, the printer automatically diverts printed material to the overflow bin. | <b>Standard Bin*</b>   | <b>Note:</b> If a user-defined bin is available, it is displayed instead of Bin <x>. The name is truncated to 14 characters. If two or more bins share the same name, the name only appears once in the Overflow Bin value list.                               |
|                     |  | <b>Bin &lt;x&gt;</b>   |  |

| Menu Item            | Purpose   | Values                          |   |  |
|----------------------|---|---------------------------------|---|--|
| <b>Paper Loading</b> | To properly handle preprinted paper loaded in a tray, whether the job is a duplexed job or a single-sided job.  |                                 |   |  |
|                      | <b>1</b> Select a paper type.<br><b>Note:</b> If a user-defined name is available, it is displayed instead of Custom <x> Loading. The name is truncated to 14 characters. | <b>Card Stock Load</b>          |   |  |
|                      |   | <b>Glossy Loading</b>           |   |  |
|                      |   | <b>Colored Loading</b>          |   |  |
|                      |   | <b>Custom &lt;x&gt; Loading</b> |   |  |
|                      |   | <b>Ltrhead Loading</b>          |   |  |
|                      |   | <b>Preprint Loading</b>         |   |  |
|                      |   | <b>Bond Loading</b>             |   |  |
|                      | <b>2</b> Select a value.  | <b>Duplex</b>                   | Notifies the printer that the specified paper type is loaded properly for duplex printing. If the printer receives a single-sided job using that paper type, the printer inserts blank pages as necessary to print the job properly on preprinted forms. This setting may slow single-sided printing. |  |
|                      |   | <b>Off*</b>                     | Printer assumes preprinted material is loaded for single-sided printing. Duplexed jobs may not print properly.  |  |

| Menu Item           | Purpose   | Values  |
|---------------------|---|---|
| <b>Paper Size</b>   | 1 Select a paper source.  | Tray <x> Size   |
|                     |   | Manual Pap Size   |
|                     |   | MP Feeder Size  |
|                     |   | Manual Env Size   |
|                     | 2 Select a value.<br>(* Denotes country/region-specific factory default values)<br><b>Note:</b> Size sensing must be turned off for Statement and Folio values to appear. | Letter*   |
|                     |   | Legal   |
|                     |   | Executive   |
|                     |   | Statement   |
|                     |   | A4*   |
|                     |   | A5  |
|                     |   | B5  |
|                     |   | Folio   |
|                     |   | 10 Envelope* (US)   |
|                     |   | 9 Envelope  |
|                     |   | B5 Envelope   |
|                     |   | Other Envelope  |
|                     |   | 7 3/4 Envelope  |
|                     |   | DL Envelope* (non US)   |
|                     |   | C5 Envelope   |
|                     |   | Universal   |
| <b>Paper Source</b> | To identify the default paper source.   | Tray <x> (Tray 1*)  |
|                     |   | MP Feeder   |
|                     |   | Env Feeder  |
|                     |   | Manual Paper  |
|                     |   | Manual Env  |
|                     |   | If you loaded the same size and type of paper in two paper sources (and the Paper Size and Paper Type menu items are correctly set), the trays are automatically linked. When one paper source is empty, paper automatically feeds from the next linked source. |

| Menu Item            | Purpose   | Values                          |  |
|----------------------|---|---------------------------------|--|
| <b>Paper Texture</b> | <p>To identify the texture of the paper loaded in a specific source and to ensure that characters print clearly.</p> <p>Use Paper Texture in connection with the Paper Type and Paper Weight menu items. You may need to change those menu items to optimize print quality for your specific paper.</p> |                                 |  |
|                      | 1 Select a paper type.  | <b>Plain Texture</b>            |  |
|                      |   | <b>Card Stock Text</b>          |  |
|                      |   | <b>Trnsprncy Text</b>           |  |
|                      |   | <b>Preprint Texture</b>         |  |
|                      |   | <b>Colored Texture</b>          |  |
|                      |   | <b>Custom &lt;x&gt; Texture</b> |  |
|                      |   | <b>Labels Texture</b>           |  |
|                      |   | <b>Bond Texture</b>             |  |
|                      |   | <b>Envelope Texture</b>         |  |
|                      |   | <b>Ltrhead Texture</b>          |  |
|                      | <b>Glossy Texture</b>   |                                 |  |
|                      | 2 Select a value.   | <b>Smooth</b>                   | <b>Note:</b> The default for Bond Texture is Rough instead of Normal. If a user-defined name is available for a custom Type, then the name is displayed instead of Custom <x> Texture. The name is truncated to 14 characters. |
| <b>Normal*</b>       |   |                                 |  |
| <b>Rough</b>         |   |                                 |  |

| Menu Item         | Purpose   | Values   |
|-------------------|---|--|
| <b>Paper Type</b> | <p>To identify the type of paper installed in each paper source.</p> <p>Use this menu item to:</p> <ul style="list-style-type: none"> <li>• Optimize print quality for the specified paper.</li> <li>• Select paper sources through your software application by selecting type and size.</li> <li>• Automatically link paper sources. Any sources containing the same type and size of paper are automatically linked by the printer if you have set the Paper Size and the Paper Type to the correct values.</li> </ul> |  |
|                   | 1 Select a paper source.  | <b>Tray &lt;x&gt; Type</b><br><b>Manual Pap Type</b><br><b>MP Feeder Type</b><br><b>Manual Env Type</b>  |
|                   | 2 Select a value.   | <b>Plain Paper</b><br><b>Card Stock</b><br><b>Transparency</b><br><b>Labels</b><br><b>Bond</b><br><b>Letterhead</b><br><b>Preprinted</b><br><b>Custom Type &lt;x&gt;</b><br><b>Glossy Paper</b><br><b>Envelope</b><br><b>Colored Paper</b> |
|                   | <p>The Paper Type default for each envelope source is Envelope. The Paper Type default for each paper tray is as follows:</p> <p><b>Note:</b> If a user-defined name is available, it is displayed instead of Custom Type &lt;x&gt;. The user-defined name is truncated to 14 characters. If two or more custom types share the same name, the name only appears once in the Paper Type value list.</p>   | <b>Tray 1–Plain Paper</b><br><b>Tray 2–Custom Type 2</b><br><b>Tray 3–Custom Type 3</b><br><b>Tray 4–Custom Type 4</b><br><b>Manual Pap Type–Custom Type 6</b>   |

| Menu Item              | Purpose   | Values   |   |
|------------------------|---|--|---|
| <b>Paper Weight</b>    | To identify the relative weight of the paper loaded in a specific source and ensure that the toner adheres properly to the printed page.<br><br>1 Select a paper type.<br><b>Note:</b> If a user-defined name is available, it is displayed instead of Custom <x> Weight. The name is truncated to 14 characters. | <b>Plain Weight</b>  |   |
|                        |   | <b>CardStock Weight</b>  |   |
|                        |   | <b>Trnsprncy Weight</b>  |   |
|                        |   | <b>Preprint Weight</b>   |   |
|                        |   | <b>Colored Weight</b>  |   |
|                        |   | <b>Custom &lt;x&gt; Weight</b>   |   |
|                        |   | <b>Bond Weight</b>   |   |
|                        |   | <b>Envelope Weight</b>   |   |
|                        |   | <b>Glossy Weight</b>   |   |
|                        |   | <b>Labels Weight</b>   |   |
|                        |   | <b>Ltrhead Weight</b>  |   |
|                        |   | 2 Select a value.  | <b>Light</b>  |
|                        | <b>Normal*</b>  |  |   |
| <b>Heavy</b>           |   |  |   |
| <b>Substitute Size</b> | To have the printer substitute the specified paper size if the requested size is not loaded.  | <b>Off</b>   | Printer prompts the user to load the requested paper size.  |
|                        |   | <b>Statement/A5</b>  | Prints A5 size jobs on statement size paper if only statement size paper is loaded, and prints statement size jobs on A5 paper if only A5 paper is loaded.  |
|                        |   | <b>Letter/A4</b>   | Prints A4 size jobs on letter size paper if only letter size paper is loaded, and prints letter size jobs on A4 size paper if only A4 size paper is loaded. |
|                        |   | <b>All Listed*</b>   | Substitutes Letter/A4 and Statement/A5.   |
| <b>Universal Setup</b> | To determine the default size when the Paper Size setting for a tray or feeder is Universal.  | 1 Select a unit of measure.<br>(* Denotes a country/region-specific factory default value) |   |
|                        |   | <b>Inches*</b>   |   |
|                        | <b>Millimeters*</b>   |  |   |
|                        | 2 Select the values.  | <b>Portrait Width</b>  | =3.00–14.17 in. (8.5 in.*)<br>=76–360 mm (216 mm*)  |
|                        |   | <b>Portrait Height</b>   | =3.00–14.17 in. (14.17 in.*)<br>=76–360 mm (360 mm*)  |
| <b>Feed Direction</b>  |   | =Short Edge*<br>=Long Edge   |   |

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## PostScript Menu

Use the PostScript Menu to change printer settings that only affect jobs using the PostScript emulation printer language.

**Note:** Values marked by an asterisk (\*) are the factory default settings.

| Menu Item              | Purpose   | Values            |   |
|------------------------|---|-------------------|---|
| <b>Font Priority</b>   | To establish the font search order.<br><b>Note:</b> Font Priority is only displayed when a formatted flash or hard disk is installed, is neither defective nor Read/Write or Write protected, and Job Buffer Size is not set to 100%.                           | <b>Resident*</b>  | Printer searches printer memory for the requested font before searching flash memory or hard disk.      |
|                        |   | <b>Flash/Disk</b> | Printer searches the hard disk and flash memory for the requested font before searching printer memory. |
| <b>Image Smoothing</b> | To enhance the contrast and sharpness of low resolution bitmapped images (such as images downloaded from the World Wide Web) and smooth their color transitions.<br><b>Note:</b> Image Smoothing has no effect on images that are 300 dpi or higher resolution. | <b>Off*</b>       | Uses default resolution when printing all images.   |
|                        |   | <b>On</b>         | Enhances low resolution images, such as graphics with a resolution of 72 dpi.                           |
| <b>Print PS Error</b>  | To print a page defining the PostScript emulation error when an error occurs.   | <b>Off*</b>       | Discards the print job without printing an error message.   |
|                        |   | <b>On</b>         | Prints an error message before it discards the job.   |

## Serial Menu

Use the Serial Menu to change printer settings affecting jobs sent to the printer through a serial port (either Standard Serial or Serial Opt <x>).

**Note:** Values marked with an asterisk (\*) are the factory default settings.

| Menu Item            | Purpose  | Values |   |
|----------------------|--|--------|---|
| <b>Baud</b>          | To specify the rate at which data can be received through the serial port.   | 1200   |   |
|                      |  | 2400   |   |
|                      |  | 4800   |   |
|                      |  | 9600*  |   |
|                      |  | 19200  |   |
|                      |  | 38400  |   |
|                      |  | 57600  |   |
|                      |  | 115200 |   |
|                      |  | 138200 |   |
|                      |  | 172800 |   |
|                      |  | 230400 |   |
| 345600               |  |        |   |
| <b>Data Bits</b>     | To specify the number of data bits that are sent in each transmission frame.   | 7      |   |
|                      |  | 8*     |   |
| <b>Honor DSR</b>     | <p>To determine whether the printer uses the Data Set Ready (DSR) signal. DSR is one of the handshaking signals for most serial interface cables.</p> <p>The serial interface uses DSR to distinguish data sent by the computer from data created by electrical noise in the serial cable. This electrical noise can cause stray characters to print. Select On to prevent stray characters from printing.</p> | Off*   | All data received by the serial port is treated as valid data.                          |
|                      |  | On     | Only data received while the DSR signal is high is treated as valid.                    |
| <b>Job Buffering</b> | <p>To temporarily store jobs on the printer hard disk before printing.</p> <p><b>Note:</b> Changing the Job Buffering menu item automatically resets the printer.</p>  | Off*   | Does not buffer print jobs to the hard disk.  |
|                      |  | On     | Buffers print jobs to the hard disk.  |
|                      |  | Auto   | Buffers print jobs only if the printer is busy processing data from another input port. |

| Menu Item              | Purpose   | Values        |  |
|------------------------|---|---------------|--|
| <b>NPA Mode</b>        | To specify whether the printer performs the special processing required for bidirectional communication, following the conventions defined in the Network Printing Alliance (NPA) Protocol.<br><br><b>Note:</b> Changing this menu item automatically resets the printer. | <b>On</b>     | Printer performs NPA processing. If data is not in NPA format, it is rejected as bad data.   |
|                        |   | <b>Off</b>    | Printer does not perform NPA processing.   |
|                        |   | <b>Auto*</b>  | Printer examines the data to determine the format and then processes it appropriately.   |
| <b>Parity</b>          | To select the parity for serial input and output data frames.   | <b>Even</b>   |  |
|                        |   | <b>Odd</b>    |  |
|                        |   | <b>None*</b>  |  |
|                        |   | <b>Ignore</b> |  |
| <b>PCL SmartSwitch</b> | To configure the printer so it automatically switches to PCL emulation when a print job received through the serial port requires it, regardless of the default printer language.   | <b>On*</b>    | Printer examines data on the serial interface and selects PCL emulation if the data indicates that is the required printer language.   |
|                        |   | <b>Off</b>    | Printer does not examine the incoming data. The printer uses PostScript emulation to process the job if PS SmartSwitch is On, or uses the default printer language specified in the Setup Menu if PS SmartSwitch is Off. |
| <b>PS SmartSwitch</b>  | To configure the printer so it automatically switches to PostScript emulation when a print job received through the serial port requires it, regardless of the default printer language.  | <b>On*</b>    | Printer examines data on the serial interface and selects PostScript emulation if the data indicates that is the required printer language.  |
|                        |   | <b>Off</b>    | Printer does not examine the incoming data. The printer uses PCL emulation to process the job if PCL SmartSwitch is On, or uses the default printer language specified in the Setup Menu if PCL SmartSwitch is Off.      |
| <b>Robust XON</b>      | To determine whether the printer communicates availability to the computer.<br><br>This menu item only applies to the serial port if Serial Protocol is set to XON/XOFF.  | <b>Off*</b>   | Printer waits to receive data from the computer.   |
|                        |   | <b>On</b>     | Printer sends a continuous stream of XONs to the host computer to indicate that the serial port is ready to receive more data.   |

| Menu Item              | Purpose  | Values                            |   |
|------------------------|--|-----------------------------------|---|
| <b>Serial Buffer</b>   | To configure the size of the serial input buffer.<br><b>Note:</b> Changing the Serial Buffer menu item automatically resets the printer. | <b>Disabled</b>                   | Disables job buffering. Any jobs already buffered on the disk are printed before normal processing of incoming jobs resumes.  |
|                        |  | <b>Auto*</b>                      | Printer automatically calculates the Serial Buffer size (recommended setting).  |
|                        |  | <b>3K to maximum size allowed</b> | User specifies the Serial Buffer size. The maximum size depends on the amount of memory in your printer, the size of the other link buffers, and whether Resource Save is set to On or Off. To maximize the range for the Serial Buffer size, disable or reduce the size of the parallel and USB buffers. |
| <b>Serial Protocol</b> | To select the hardware and software handshaking values for the serial interface.   | <b>DTR*</b>                       | Hardware handshaking.   |
|                        |  | <b>DTR/DSR</b>                    | Hardware handshaking.   |
|                        |  | <b>XON/XOFF</b>                   | Software handshaking.   |
|                        |  | <b>XON/XOFF/DTR</b>               | Combined hardware and software handshaking.   |
|                        |  | <b>XONXOFF/DTRDSR</b>             | Combined hardware and software handshaking.   |

## Setup Menu

Use the Setup Menu to configure a variety of printer features.

**Note:** Values marked by an asterisk (\*) are the factory default settings.

| Menu Item                     | Purpose   | Values            |  |
|-------------------------------|---|-------------------|--|
| <b>Alarm Control</b>          | To establish whether the printer sounds an alarm when the printer requires operator intervention.   | <b>Off</b>        | Printer does not sound an alarm.   |
|                               |   | <b>Single*</b>    | Printer sounds three quick beeps.  |
|                               |   | <b>Continuous</b> | Printer repeats three beeps every 10 seconds.  |
| <b>Auto Continue</b>          | To define the amount of time (in seconds) the printer waits after displaying an operator intervention error message before it resumes printing. | <b>Disabled*</b>  | Printer does not resume printing until someone clears the error message.   |
|                               |   | <b>5...255</b>    | Printer waits the specified amount of time, and then automatically resumes printing. This timeout value also applies if the menus are displayed (and the printer is offline) for the specified period of time. |
| <b>Black &amp; White Lock</b> | To set the printer to print only in black and white.  | <b>Off*</b>       | Color prints as indicated in print job.  |
|                               |   | <b>On</b>         | The equivalent to setting Color Mode to Black & White.   |

| Menu Item               | Purpose   | Values            |  |
|-------------------------|---|-------------------|--|
| <b>Display Language</b> | To determine the language of the text on the operator panel display.  | <b>English</b>    | <b>Note:</b> All values may not be available.  |
|                         |   | <b>Français</b>   |  |
|                         |   | <b>Deutsch</b>    |  |
|                         |   | <b>Italiano</b>   |  |
|                         |   | <b>Español</b>    |  |
|                         |   | <b>Dansk</b>      |  |
|                         |   | <b>Norsk</b>      |  |
|                         |   | <b>Nederlands</b> |  |
|                         |   | <b>Svenska</b>    |  |
|                         |   | <b>Português</b>  |  |
|                         |   | <b>Suomi</b>      |  |
|                         |   | <b>Japanese</b>   |  |
|                         |   | <b>Russian</b>    |  |
|                         |   | <b>Polski</b>     |  |
| <b>Hungarian</b>        |   |                   |  |
| <b>Turkish</b>          |   |                   |  |
| <b>Czech</b>            |   |                   |  |
| <b>Download Target</b>  | To specify the storage location for downloaded resources.<br>Storing downloaded resources in flash memory or on a hard disk is permanent storage rather than the temporary storage that RAM provides. The resources remain in the flash memory or on the hard disk even when the printer is turned off. | <b>RAM*</b>       | All downloaded resources are automatically stored in printer memory (RAM).   |
|                         |   | <b>Flash</b>      | All downloaded resources are automatically stored in flash memory.   |
|                         |   | <b>Disk</b>       | All downloaded resources are automatically stored on the hard disk.  |
| <b>Hole Punch Alarm</b> | To specify how the printer responds when the hole punch box becomes full.   | <b>Off*</b>       | <b>Hole Punch Waste Full</b> is displayed until someone empties the hole punch box. If an Auto Continue value is selected from the Setup Menu, the printer resumes printing after the specified timeout value. |
|                         |   | <b>Single</b>     | Printer stops printing, displays <b>Hole Punch Waste Full</b> , and sounds three quick beeps.  |
|                         |   | <b>Continuous</b> | Printer stops printing, displays <b>Hole Punch Waste Full</b> , and repeats three beeps every 10 seconds until the hole punch box is emptied.  |
| <b>Jam Recovery</b>     | To establish whether the printer reprints jammed pages.   | <b>On</b>         | Printer reprints jammed pages.   |
|                         |   | <b>Off</b>        | Printer does not reprint jammed pages.   |
|                         |   | <b>Auto*</b>      | Printer reprints a jammed page unless the memory required to hold the page is needed for other printer tasks.  |

| Menu Item             | Purpose  | Values          |   |
|-----------------------|--|-----------------|---|
| <b>Job Accounting</b> | To store statistical information about your most recent print jobs on the hard disk. The statistics include whether the job printed with or without errors, the print time, the job size (in bytes), the requested paper size and paper type, the total number of printed pages, and the number of copies requested.<br><br><b>Note:</b> Job Accounting is only displayed when a hard disk is installed, is neither defective nor Read/Write or Write protected, and Job Buffer Size is not set to 100%. | <b>Off*</b>     | Printer does not store job statistics on disk.  |
|                       |  | <b>On</b>       | Printer stores job statistics for the most recent print jobs.   |
| <b>Page Protect</b>   | To successfully print a page that may otherwise generate <b>Complex Page</b> errors.<br><br>If, after selecting On, you still cannot print the page, you may also have to reduce the size and number of fonts on the page, or increase the installed printer memory.<br><br>For most print jobs, you do not need to select On. When On is selected, printing may be slower.  | <b>Off*</b>     | Prints a partial page of data if memory is insufficient to process the entire page.   |
|                       |  | <b>On</b>       | Ensures that an entire page is processed before it prints.  |
| <b>Power Saver</b>    | To specify the amount of time (in minutes) the printer waits after a job is printed before it goes into a reduced power state.   | <b>Disabled</b> | This value does not appear unless <b>Energy Conserve</b> is set to Off. See <b>Disabling Power Saver</b> for more information.  |
|                       |  | <b>1...240</b>  | Specifies the amount of time after a print job before the printer goes into Power Saver mode. (Your printer may not support the entire range of values.)<br><br>The factory default Power Saver setting depends on your printer model. Print the menu settings page to determine the current Power Saver setting. When the printer is in Power Saver mode, it is still ready to receive print jobs.<br><br>Select 1 to put the printer in Power Saver mode one minute after it finishes a print job. This uses much less energy, but requires more warm-up time for the printer. Select 1 if your printer shares an electrical circuit with room lighting and you notice lights flickering.<br><br>Select a high value if your printer is in constant use. Under most circumstances, this keeps the printer ready to print with minimum warm-up time. Select a value between 1 and 240 minutes if you want a balance between energy consumption and a shorter warm-up period. |

| Menu Item               | Purpose   | Values               |   |
|-------------------------|---|----------------------|---|
| <b>Print Area</b>       | To modify the logical and physical printable area.  | <b>Normal*</b>       | <b>Note:</b> The Whole Page setting only affects pages printed using PCL 5 interpreter. This setting has no effect on pages printed using the PCL XL or PostScript interpreters. If you try to print any data in the non-printable area defined by Normal Print Area, the printer will clip the image at the boundary defined by the Normal defined printable area. |
|                         |   | <b>Fit to Page</b>   |   |
|                         |   | <b>Whole Page</b>    |   |
| <b>Print Timeout</b>    | To specify the amount of time (in seconds) the printer waits before printing the last page of a print job that does not end with a command to print the page. The print timeout counter does not start until <b>waiting</b> is displayed.                   | <b>Disabled</b>      | The printer does not print the last page of a print job until one of the following occurs: <ul style="list-style-type: none"> <li>• The printer receives enough information to fill the page.</li> <li>• The printer receives a Form Feed command.</li> <li>• You select Print Buffer from the Job Menu.</li> </ul>   |
|                         |   | <b>1...255 (90*)</b> | The printer prints the last page after the specified time. (Your printer may not support the entire range of values.)   |
| <b>Printer Language</b> | To establish the default printer language used to communicate data from the computer to the printer.<br><b>Note:</b> Setting a printer language as the default does not prevent a software application from sending print jobs that use the other language. | <b>PCL Emulation</b> | PCL emulation, compatible with Hewlett-Packard printers.  |
|                         |   | <b>PS Emulation*</b> | PostScript emulation, compatible with Adobe PostScript language.  |
| <b>Printer Usage</b>    | To determine the behavior of the image transfer unit during printing.   | <b>Max Speed</b>     | The image transfer unit is engaged throughout the print job.  |
|                         |   | <b>Max Yield*</b>    | The image transfer unit position is engaged based on page content. This may extend the life of certain print supplies.  |
| <b>Resource Save</b>    | To determine what the printer does with downloaded resources, such as fonts and macros stored in RAM, if the printer receives a job that requires more memory than is available.  | <b>Off*</b>          | Printer retains downloaded resources only until memory is needed. It then deletes those resources associated with the inactive printer language.  |
|                         |   | <b>On</b>            | Printer retains all downloaded resources for all printer languages during language changes and printer resets. If the printer runs out of memory, <b>38 Memory Full</b> is displayed.   |

| Menu Item           | Purpose  | Values                  |  |
|---------------------|--|-------------------------|--|
| <b>Staple Alarm</b> | To specify how the printer responds when it is out of staples.   | <b>Off</b>              | <b>Load Staples</b> is displayed until someone loads staples. If an Auto Continue value is selected from the Setup Menu, the printer resumes printing after the specified timeout value.             |
|                     |  | <b>Single*</b>          | Printer stops printing, displays <b>Load Staples</b> , and sounds three quick beeps.   |
|                     |  | <b>Continuous</b>       | Printer stops printing, displays <b>Load Staples</b> , and repeats three beeps every 10 seconds until the staple cartridge is replaced.  |
| <b>Toner Alarm</b>  | To specify how the printer responds when it is low on toner.   | <b>Off</b>              | An error message is displayed until someone replaces the toner cartridge. If an Auto Continue value is selected from the Setup Menu, the printer resumes printing after the specified timeout value. |
|                     |  | <b>Single*</b>          | Printer stops printing, displays an error message, and sounds three quick beeps.   |
|                     |  | <b>Continuous</b>       | Printer stops printing, displays an error message, and repeats three beeps every 10 seconds until the toner cartridge is replaced.   |
| <b>Wait Timeout</b> | To specify the amount of time (in seconds) the printer waits to receive additional bytes of data from the computer. When this timeout expires, the print job is canceled.<br><br>Wait Timeout is only available when you use PostScript emulation. This menu item has no effect on PCL emulation print jobs. | <b>Disabled</b>         | Disables Wait Timeout.   |
|                     |  | <b>15...65535 (40*)</b> | Specifies the amount of time the printer waits for additional data before it cancels the job.  |

## Supplies Menu

The Supplies Menu provides information about printer supplies that require attention. It is only available when a supply is low or needs replacement.

| Menu Item                      | Purpose   | Values                  |   |
|--------------------------------|---|-------------------------|---|
| <b>&lt;color&gt;<br/>Toner</b> | To view the status of the color print cartridges.   | <b>Low</b>              |   |
|                                |   | <b>Change Cartridge</b> |   |
| <b>Oiler</b>                   | To view the status of the web oiler.  | <b>Near Exhausted</b>   |   |
| <b>Waste Bottle</b>            | To view the status of the toner waste container.<br><b>Note:</b> Once the toner waste container reaches Full, the printer will print up to 15 more pages from the buffer and then stop until the container is replaced. | <b>Near Full</b>        | The toner waste container is nearly full. |

## USB Menu

Use the USB Menu to change printer settings affecting a Universal Serial Bus (USB) port (USB Option <x>).

**Note:** Values marked by an asterisk (\*) are the factory default settings.

| Menu Item            | Purpose  | Values       |   |
|----------------------|--|--------------|---|
| <b>Job Buffering</b> | To temporarily store jobs on the printer hard disk before printing.<br><b>Note:</b> Changing the Job Buffering menu item automatically resets the printer. | <b>Off*</b>  | Does not buffer print jobs to the hard disk.  |
|                      |  | <b>On</b>    | Buffers print jobs to the hard disk.  |
|                      |  | <b>Auto</b>  | Buffers print jobs only if the printer is busy processing data from another input port.   |
| <b>MAC Binary PS</b> | To configure the printer to process Macintosh binary PostScript print jobs.  | <b>Off</b>   | Printer processes raw binary PostScript print jobs from computers using the Macintosh operating system.<br><b>Note:</b> This setting often causes Windows print jobs to fail. |
|                      |  | <b>On</b>    | Printer filters PostScript print jobs using standard protocol.  |
|                      |  | <b>Auto*</b> | Printer processes print jobs from computers using either Windows or Macintosh operating systems.  |

| Menu Item              | Purpose   | Values                            |  |
|------------------------|---|-----------------------------------|--|
| <b>NPA Mode</b>        | To specify whether the printer performs the special processing required for bidirectional communication, following the conventions defined in the Network Printing Alliance (NPA) Protocol.<br><br><b>Note:</b> Changing this menu item automatically resets the printer. | <b>On</b>                         | Printer performs NPA processing. If data is not in NPA format, it is rejected as bad data.   |
|                        |   | <b>Off</b>                        | Printer does not perform NPA processing.   |
|                        |   | <b>Auto*</b>                      | Printer examines the data to determine the format and then processes it appropriately.   |
| <b>PCL SmartSwitch</b> | To configure the printer so it automatically switches to PCL emulation when a print job received through the USB port requires it, regardless of the default printer language.  | <b>On*</b>                        | Printer examines the data on the USB interface and selects PCL emulation if the data indicates that is the required printer language.  |
|                        |   | <b>Off</b>                        | Printer does not examine the incoming data. The printer uses PostScript emulation to process the job if PS SmartSwitch is On, or uses the default printer language specified in the Setup Menu if PS SmartSwitch is Off.   |
| <b>PS SmartSwitch</b>  | To configure the printer so it automatically switches to PostScript emulation when a print job received through the USB port requires it, regardless of the default printer language.   | <b>On*</b>                        | Printer examines data on the USB interface and selects PostScript emulation if the data indicates that is the required printer language.   |
|                        |   | <b>Off</b>                        | Printer does not examine the incoming data. The printer uses PCL emulation to process the job if PCL SmartSwitch is On, or uses the default printer language specified in the Setup Menu if PCL SmartSwitch is Off.  |
| <b>USB Buffer</b>      | To configure the size of the USB input buffer.<br><br><b>Note:</b> Changing the USB Buffer menu item automatically resets the printer.  | <b>Disabled</b>                   | Job buffering is disabled. Any jobs already buffered on the disk are printed before normal processing of incoming jobs resumes.  |
|                        |   | <b>Auto*</b>                      | Printer automatically calculates the USB Buffer size (recommended setting).  |
|                        |   | <b>3K to maximum size allowed</b> | User specifies the USB Buffer size. The maximum size depends on the amount of memory in your printer, the size of the other link buffers, and whether Resource Save is set to On or Off. To maximize the range for the USB Buffer size, disable or reduce the size of the parallel, serial, and network buffers. |

## Utilities Menu

Use the Utilities Menu to print a variety of listings relating to available printer resources, printer settings, and print jobs. Other menu items let you set up printer hardware and troubleshoot printer problems.

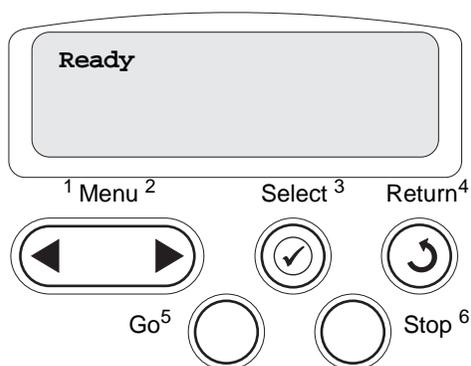
| Menu Item                 | Purpose   | Values                |  |
|---------------------------|---|-----------------------|--|
| <b>Color Alignment</b>    | To print a color alignment test page, which can be used to properly align how colors are printed.<br>You are prompted to enter alignment values for each setting (A...L).   | <b>0...20 (10*)</b>   | Used to indicate which line is most acceptable for alignments A...L.<br>See also: <a href="#">Aligning the image transfer unit</a>   |
| <b>Coverage Estimator</b> | Provides an estimate of the percent coverage of cyan, magenta, yellow, and black on a page. This estimate is printed on the page.   | <b>Off*</b>           | Percent coverage is not printed.   |
|                           |   | <b>On</b>             | Prints the estimated percentage of coverage for each color on the page.  |
| <b>Defragment Flash</b>   | To retrieve storage area lost when resources are deleted from flash memory.<br><b>Warning:</b> Do not turn off the printer while the flash is defragmenting.  | <b>Yes</b>            | Printer transfers all resources stored in flash memory to printer memory and then reformats the flash memory option. When the format operation is complete, the resources are loaded back into flash memory.   |
|                           |   | <b>No</b>             | Printer cancels the request to defragment the flash memory.  |
| <b>Factory Defaults</b>   | To return your printer settings to the factory default values.  | <b>Restore</b>        | <ul style="list-style-type: none"> <li>All menu items are returned to the factory default values except: <ul style="list-style-type: none"> <li>Display Language.</li> <li>All settings in the Parallel Menu, Serial Menu, Network Menu, and USB Menu.</li> </ul> </li> <li>All downloaded resources (fonts, macros, and symbol sets) in printer memory (RAM) are deleted. (Resources residing in flash memory or on the hard disk are unaffected.)</li> </ul> |
|                           |   | <b>Do Not Restore</b> | User-defined settings remain.  |
| <b>Format Disk</b>        | To format the printer hard disk.<br><b>Warning:</b> Do not turn off the printer while the hard disk is formatting.  | <b>Yes</b>            | Deletes any data stored on the hard disk and prepares the device to receive new resources.   |
|                           |   | <b>No</b>             | Cancels the request to format the hard disk and leaves current resources stored on the disk.   |
| <b>Format Flash</b>       | To format the flash memory.<br><b>Warning:</b> Do not turn off the printer while the flash is formatting.   | <b>Yes</b>            | Deletes any data stored in flash memory and prepares the flash memory to receive new resources.  |
|                           |   | <b>No</b>             | Cancels the request to format the flash memory and leaves current resources stored in flash memory.  |
| <b>Hex Trace</b>          | To help isolate the source of a print job problem. With Hex Trace selected, all data sent to the printer is printed in hexadecimal and character representation. Control codes are not executed.<br>To exit Hex Trace, turn the printer off or reset the printer from the Job Menu. |                       |  |

| <b>Menu Item</b>                 | <b>Purpose</b>  | <b>Values</b>    |  |
|----------------------------------|---|------------------|--|
| <b>Job Acct Stat</b>             | To print a listing of all job statistics stored on the hard disk, or to clear all statistics on the disk.   | <b>Print</b>     | Prints all statistics available for the most recent print jobs.          |
|                                  |   | <b>Clear</b>     | Deletes all accumulated job statistics from the hard disk.               |
| <b>Print Demo</b>                | To print pages describing the printer and demonstrating its capabilities.   |                  |  |
| <b>Print Directory</b>           | To print a list of all the resources stored in flash memory or on the hard disk.<br><b>Note:</b> Print Directory is available only when either a nondefective flash or disk is installed and formatted, and Job Buffer Size is not set to 100%. |                  |  |
| <b>Print Fonts</b>               | To print a sample of all the fonts available for the selected printer language.   | <b>PCL Fonts</b> | Prints a sample of all printer fonts available for PCL emulation.        |
|                                  |   | <b>PS Fonts</b>  | Prints a sample of all printer fonts available for PostScript emulation. |
| <b>Print Menus</b>               | To print a listing of the current user default values, the installed options, the amount of installed printer memory, and the status of printer supplies.   |                  |  |
| <b>Print Net &lt;x&gt; Setup</b> | To print information relating to the internal print server and the network settings defined by the Network <x> Setup menu item in the Network Menu.   |                  |  |

# 6

## Understanding printer messages

The printer operator panel displays messages describing the current state of the printer and indicates possible printer problems you must resolve. This topic provides a list of all printer messages, explains what they mean, and tells you how to clear the messages.



| Message   | What this message means   | What you can do  |
|---|---|--|
| <b>&lt;Custom Type Name&gt;<br/>in &lt;input source&gt;</b> | A tray has been inserted, and contains the type and/or size print media listed.   | Wait for the message to clear.   |
| <b>&lt;size&gt;<br/>in &lt;input source&gt;</b>             |   |  |
| <b>&lt;type&gt;&lt;size&gt;<br/>in &lt;input source&gt;</b> |   |  |
| <b>&lt;x&gt; Alignment</b>                                  | A color alignment procedure is in progress and the user is being prompted for a series of alignment values. The values range from A to L. | <ul style="list-style-type: none"> <li>Enter the alignment value, and then press <b>Select</b> to continue to the next alignment value.</li> <li>Press <b>Go</b> or <b>Return</b> to cancel the alignment procedure.</li> </ul> See also: <a href="#">Aligning the image transfer unit</a> |
| <b>Activating Menu Changes</b>                              | The printer is activating changes made to the printer settings.   | Wait for the message to clear.<br>See also: <a href="#">Disabling the operator panel menus</a>   |
| <b>Bin &lt;x&gt; Full</b>                                   | The specified bin is full.  | Remove the stack of paper from the bin to clear the message. If you assigned the bin a name, the bin name is displayed instead of the bin number.  |
| <b>Busy</b>   | The printer is busy receiving, processing, or printing data.  | <ul style="list-style-type: none"> <li>Wait for the message to clear.</li> <li>Press <b>Menu</b> to open the Job Menu and cancel the current job.</li> </ul>   |

| Message                                | What this message means  | What you can do  |
|--|--|--|
| <b>Canceling Fax</b>                   | The printer is processing a request to cancel a fax job.   | Wait for the message to clear.   |
| <b>Canceling Job</b>                   | The printer is processing a request to cancel the current print job.                                     | Wait for the message to clear.<br>See also: <b>Canceling a print job</b>   |
| <b>Change &lt;x&gt;</b>                | The printer is requesting that a different type of paper be loaded in one of the input sources.          | Change the paper type in the specified source. <ul style="list-style-type: none"> <li>Press <b>Go</b> if the requested media is already in the input source.</li> <li>Press <b>Select</b> to ignore the request and print on the media already in the input source.</li> </ul> See also: <b>Loading the trays</b> ; <i>Setup Guide</i>   |
| <b>Check &lt;device&gt; Connection</b> | The specified device is either not fully connected to the printer or is experiencing a hardware failure. | <ul style="list-style-type: none"> <li>Reestablish communication by removing the specified device and reattaching it to the printer.</li> <li>Press <b>Go</b> to clear the message and continue printing.</li> <li>In the case of a hardware failure, turn the printer off and back on. If the error recurs, turn the printer off, remove the specified device, and call for service.</li> </ul> |
| <b>Clearing Job Accounting Stat</b>    | The printer is deleting all job statistics stored on the hard disk.                                      | Wait for the message to clear.   |
| <b>Close Door</b>                      | The printer front cover is open.   | Close the printer front cover to clear the message.  |
| <b>Close Finisher Door</b>             | The finisher front door is open.   | Close the finisher front door to clear the message.  |
| <b>Close Tray X Door</b>               | The 2000-sheet drawer is open.   | Close the 2000-sheet drawer to clear the message.  |
| <b>Copying</b>                         | The printer is processing a copy job originating from an OptralImage™ scanner.                           | Wait for the message to clear.   |
| <b>Defragmenting</b>                   | The printer is defragmenting the flash memory to reclaim storage space occupied by deleted resources.    | Wait for the message to clear.<br><b>Warning:</b> Do not turn the printer off while this message is displayed.   |
| <b>Delete All Jobs</b>                 | The printer is requesting confirmation to delete all held jobs.  | <ul style="list-style-type: none"> <li>Press <b>Go</b> to continue. The printer deletes all held jobs.</li> <li>Press <b>Stop</b> to cancel the operation.</li> </ul>  |
| <b>Deleting Jobs</b>                   | The printer is deleting one or more held jobs.   | Wait for the message to clear.   |
| <b>Disabling Menus</b>                 | The printer is responding to a request to disable the menus.   | Wait for the message to clear.<br><b>Note:</b> While the menus are disabled, you cannot change the printer settings from the operator panel.<br>See also: <b>Disabling the operator panel menus</b>  |

| Message                          | What this message means  | What you can do  |
|----------------------------------|--|--|
| <b>Disk Corrupted. Reformat?</b> | The printer has attempted a disk recovery process and cannot repair the disk.  | <ul style="list-style-type: none"> <li>Press <b>Go</b> to reformat the disk and delete all files currently stored on the disk.</li> <li>Press <b>Stop</b> to clear the message without reformatting the disk. The printer may display <b>Disk Recovery</b> and attempt to recover the disk.</li> </ul> See also: <b>Disk Recovery x/5 yyy%</b> |
| <b>Disk Recovery x/5 yyy%</b>    | The printer is attempting to recover the hard disk. Disk recovery takes place in five phases; the second line on the operator panel display shows the percent complete of the current phase. | Wait for the message to clear.<br><b>Warning:</b> Do not turn the printer off while this message is displayed.   |
| <b>Empty Hole Punch Box</b>      | The finisher hole punch waste box is full.   | Remove the finisher hole punch box, empty it, and then replace it.   |
| <b>Enabling Menus</b>            | The printer is responding to a request to make the menus available to all users.   | Wait for the message to clear, and then press <b>Menu</b> to view the menus from the operator panel.<br>See also: <b>Enabling the menus</b>  |
| <b>Engine Warming</b>            | The printer is preparing the fuser for printing.   | Wait for the message to clear.   |
| <b>Enter PIN:</b><br>= ___       | The printer is waiting for you to enter your four-digit personal identification number (PIN).  | Use the operator panel buttons to enter the PIN you identified in the driver when you sent the confidential job to the printer.<br>See also: <b>Holding a job in the printer</b>   |
| <b>Fax &lt;x&gt;</b>             | The printer is processing an incoming fax.   | Wait for the message to clear.   |
| <b>Flushing Buffer</b>           | The printer is flushing corrupted print data and discarding the current print job.   | Wait for the message to clear.   |
| <b>Formatting Disk yyy%</b>      | The printer is formatting the hard disk. When formatting takes longer than usual, the second line of the display shows the percent complete.   | Wait for the message to clear.<br><b>Warning:</b> Do not turn the printer off while this message is displayed.   |
| <b>Formatting Flash</b>          | The printer is formatting the flash memory.  | Wait for the message to clear.<br><b>Warning:</b> Do not turn the printer off while this message is displayed.   |
| <b>Fuser Maint</b>               | The counter that tracks wear on the fuser has reached its limit.   | Replace the fuser.   |

| Message                                     | What this message means   | What you can do  |
|---|---|--|
| <b>Held Jobs May Be Lost</b>                | The printer memory is too full to continue processing print jobs.   | <ul style="list-style-type: none"> <li>Press <b>Go</b> to clear the message and continue printing. The printer frees memory by deleting the oldest held job and continues deleting held jobs until there is enough printer memory to process the job.</li> <li>Press <b>Stop</b> to clear the message without deleting any held jobs. The current job may not print correctly.</li> <li>Press <b>Menu</b> to open the Job Menu and cancel the current job.</li> <li>To avoid this error in the future: <ul style="list-style-type: none"> <li>Delete fonts, macros, and other data stored in printer memory.</li> <li>Install more printer memory.</li> </ul> </li> </ul> <p><b>Note:</b> The messages <b>37 Insufficient Memory</b> and <b>Held Jobs may be lost</b> alternate on the display.</p> <p>See also: <b>Holding a job in the printer; 37 Insufficient Memory</b></p> |
| <b>Held Jobs May Not Be Restored</b>        | The printer memory cannot restore Print and Hold jobs from the printer hard disk.   | <p>Press <b>Go</b> to clear the message. Some of the Print and Hold jobs stored on the disk will not be restored.</p> <p>See also: <b>37 Insufficient Memory</b></p>   |
| <b>Hole Punch Waste Full</b>                | The hole punch box in the finisher is full.   | Empty the hole punch box.  |
| <b>Insert Staple Cartridge</b>              | The staple cartridge in the finisher is missing or is installed incorrectly.  | <ul style="list-style-type: none"> <li>Correctly install the staple cartridge to clear the message.</li> <li>Press <b>Go</b> to ignore the message and continue printing without stapling.</li> </ul>  |
| <b>Insert Tray &lt;x&gt;</b>                | The specified tray is either missing or not fully inserted.   | <p>Insert the specified tray completely into the printer.</p> <p>See also: <b>Loading the trays</b></p>  |
| <b>Install &lt;device&gt; or Cancel Job</b> | The printer is requesting that a specified device be installed so it can print a job.   | <ul style="list-style-type: none"> <li>Turn the printer off, install the specified device, and restart the printer.</li> <li>Press <b>Menu</b> to open the Job Menu and cancel the current job.</li> </ul>   |
| <b>Invalid Engine Code</b>                  | The printer engine code has not been programmed or is not valid.  | <p>Call for service.</p> <p>See also: <b>Calling for service</b></p>   |
| <b>Invalid Network &lt;x&gt; Code</b>       | The code in an internal print server is not valid. The printer cannot receive and process jobs until valid code is programmed into the internal print server. | <p>Download valid code to the printer internal print server.</p>   |
| <b>Invalid Standard Network Code</b>        |   | <p><b>Note:</b> You can download network code while this message is displayed.</p>   |
| <b>ITU Maint</b>                            | The counter that tracks wear on the image transfer unit has reached its limit.  | Replace the image transfer unit.   |
| <b>ITU/Fuser Maint</b>                      | The counters that track wear on the image transfer unit and fuser have reached their limit.   | Replace the image transfer unit and fuser.   |

| Message  | What this message means   | What you can do   |
|--|---|---|
| <b>Load Manual</b><br><b>&lt;type&gt; &lt;size&gt;</b> | A request for a manual feed job has been sent to the printer. The printer is ready for insertion of a single sheet into the manual feed slot. | <ul style="list-style-type: none"> <li>• Load a sheet of the paper specified in the second line of the display in the manual feed tray or multipurpose feeder.</li> <li>• Press <b>Select</b> or <b>Go</b> to ignore the manual feed request and print on paper already installed in one of the input sources. If the printer finds a tray that has paper of the correct type and size, it feeds paper from that tray. If the printer cannot find a tray with the correct paper type and size, it prints on whatever paper is installed in the default input source.</li> <li>• Press <b>Menu</b> to open the Job Menu and cancel the current job.</li> </ul> <p>See also: <b>Loading the multipurpose feeder</b></p> |
| <b>Load &lt;x&gt; Plain Letter</b>                     | Someone has initiated a tray calibration procedure.   | Load paper into <x> and press <b>Go</b> to continue the calibration process.  |
| <b>Load Staples</b>                                    | The printer is trying to staple a print job, but the stapler is empty.  | <ul style="list-style-type: none"> <li>• Install a new staple cartridge in the stapler.</li> <li>• Press <b>Go</b> to clear the message and continue printing without stapling.</li> <li>• Press <b>Menu</b> to open the Job Menu and cancel the current job.</li> </ul>  |
| <b>Load Tray &lt;x&gt;</b>                             | The printer is trying to feed paper from a source it detects is empty.  | <ul style="list-style-type: none"> <li>• Load paper of the size and type requested in the second line of the display in the specified tray. The printer automatically clears the message and continues printing the job.</li> <li>• Press <b>Menu</b> to open the Job Menu and cancel the current job.</li> </ul> <p>See also: <b>Loading the trays</b></p>   |
| <b>Menus Disabled</b>                                  | The printer menus are disabled. You cannot change the printer settings from the operator panel.   | <p>You can still open the Job Menu to cancel a job that is printing or to select a confidential job or a held job that you want to print. If you need access to the printer menus, contact your network administrator.</p> <p>See also: <b>Disabling the operator panel menus</b></p>   |
| <b>Network Card Busy</b>                               | An internal print server (also called an internal network adapter or INA) is being reset.   | Wait for the message to clear.  |
| <b>Network &lt;x&gt;</b>                               | A network interface is the active communication link.   | Wait for the message to clear.  |
| <b>Network &lt;x&gt;, &lt;y&gt;</b>                    | A network interface is the active communication link, where <x> represents the active communication link and <y> represents the channel.      | Wait for the message to clear.  |
| <b>No DRAM Installed</b>                               | No DRAM is installed in the printer.  | Turn the printer off, install DRAM and turn the printer back on.  |

| Message                             | What this message means  | What you can do   |
|-------------------------------------|--|---|
| <b>No Jobs Found. Retry?</b>        | The four-digit personal identification number (PIN) you entered is not associated with any confidential print job.   | <ul style="list-style-type: none"> <li>Press <b>Go</b> to enter another PIN.</li> <li>Press <b>Stop</b> to clear the PIN entry prompt.</li> </ul> See also: <b>Holding a job in the printer</b>   |
| <b>Not Ready</b>                    | The printer is not ready to receive or process data. Someone pressed <b>Stop</b> to take the printer offline.  | Press <b>Go</b> to make the printer ready to receive jobs.  |
| <b>Overflow Bin Full</b>            | The mailbox's designated overflow bin is full.   | Remove the stack of paper from the bin to clear the message.  |
| <b>Parallel &lt;x&gt;</b>           | A parallel interface is the active communication link.   | Wait for the message to clear.  |
| <b>Performing Self Test</b>         | The printer is running the series of start-up tests it performs after it is turned on.   | Wait for the message to clear.  |
| <b>Power Saver</b>                  | The printer is ready to receive and process data. It is reducing its electricity consumption while idle. If the printer remains inactive for the period of time specified in the Power Saver menu item (20 minutes is the factory default), the <b>Power Saver</b> message replaces the <b>Ready</b> message on the display. | <ul style="list-style-type: none"> <li>Send a job to print.</li> <li>Press <b>Go</b> to quickly warm the printer to normal operating temperature and display the <b>Ready</b> message.</li> </ul> |
| <b>Printer Calibrating</b>          | The printer is adjusting the color tables to correct variations caused by environmental conditions.  | Wait for the message to clear.<br>See also: <b>Color Menu</b>   |
| <b>Print Jobs on Disk</b>           | Jobs that were spooled to the hard disk before the printer was last turned off have not yet printed.   | <ul style="list-style-type: none"> <li>Press <b>Go</b> to print the jobs.</li> <li>Press <b>Return</b> or <b>Stop</b> to delete the jobs from the hard disk without printing them.</li> </ul>     |
| <b>Printing Alignment Page</b>      | The printer is processing or printing a test page that shows alignment values.   | Wait until the page has completed printing.<br>See also: <b>&lt;x&gt; Alignment; Aligning the image transfer unit</b>   |
| <b>Printing Directory List</b>      | The printer is processing or printing a directory of all files stored in flash memory or on a hard disk.   | Wait for the message to clear.<br>See also: <b>Print Directory</b>  |
| <b>Printing Font List</b>           | The printer is processing or printing a list of all available fonts for the specified printer language.  | Wait for the message to clear.<br>See also: <b>Print Fonts</b>  |
| <b>Printing Job Accounting Stat</b> | The printer is processing or printing all job accounting statistics stored on the hard disk.   | Wait for the message to clear.<br>See also: <b>Job Acct Stat</b>  |
| <b>Printing Menu Settings</b>       | The printer is processing or printing the menu settings page.  | Wait for the message to clear.<br>See also: <b>Print Menus; Printing a menu settings page</b>   |
| <b>Prog Engine Code</b>             | The printer is programming new code into the flash memory.   | Wait for the message to clear.<br><b>Warning:</b> Do not turn the printer off while this message is displayed.  |

| Message                             | What this message means  | What you can do   |
|-------------------------------------|--|---|
| <b>Prog System Code</b>             | The printer is programming new system code.  | Wait for the message to clear and the printer to reset.<br><b>Warning:</b> Do not turn the printer off while this message is displayed.   |
| <b>Program Flash</b>                | The printer is storing resources, such as fonts or macros, in flash memory.                              | Wait for the message to clear.<br><b>Warning:</b> Do not turn the printer off while this message is displayed.  |
| <b>Programming Disk</b>             | The printer is storing resources, such as fonts or macros, on the hard disk.                             | Wait for the message to clear.<br><b>Warning:</b> Do not turn the printer off while this message is displayed.  |
| <b>Programming Error P&lt;x&gt;</b> | An error occurred while the printer was programming code into memory.                                    | Correct the problem specified on the second line of the display: <ul style="list-style-type: none"> <li>• <b>P105</b>—A network file was used to program a non-network printer, or a non-network file was used to program a network printer.</li> <li>• <b>P109</b>—An update file was used to program the printer, but the information did not fit within the space allocated in the Master Boot Record.</li> <li>• <b>P112</b>—An upddle.fls file was used to update the DLE code on a printer with a firmware card installed, but the DLE was not found on the firmware card.</li> <li>• <b>P200</b>—No firmware card is installed.</li> </ul> |
| <b>Queuing and Deleting Jobs</b>    | The printer is deleting one or more held jobs and sending one or more jobs to print.                     | Wait for the message to clear.<br>See also: <b>Printing and deleting held jobs</b>  |
| <b>Queuing Jobs</b>                 | The printer is sending one or more held jobs to print.   | Wait for the message to clear.<br>See also: <b>Holding a job in the printer</b>   |
| <b>Ready</b>                        | The printer is ready to receive and process print jobs.  | Send a job to print.  |
| <b>Ready Hex</b>                    | The printer is in Hex Trace mode and is ready to receive and process print jobs.                         | <ul style="list-style-type: none"> <li>• Send a job to print. All data sent to the printer is printed in hexadecimal and character representation. Control strings are printed, not executed.</li> <li>• Turn the printer off and then on to exit Hex Trace mode and return to Ready status.</li> </ul>   |
| <b>Reattach &lt;device&gt;</b>      | The specified device is either not fully connected to the printer or is experiencing a hardware failure. | <ul style="list-style-type: none"> <li>• Reestablish communication by removing the specified device and reattaching it to the printer.</li> <li>• Press <b>Go</b> to clear the message and continue printing without using the device.</li> <li>• In the case of a hardware failure, turn the printer off and back on. If the error recurs, turn the printer off, remove the specified device, and call for service.</li> </ul> See also: <b>Calling for service</b>  |

| Message                                   | What this message means   | What you can do   |
|---|---|---|
| <b>Remove Cartridge and ITU Packaging</b> | The packing material has not been removed from the cartridges and the image transfer unit belt.   | Remove all packing material from inside the printer.<br>See also: "Step 5: Installing Supplies" in the <i>Setup Guide</i>   |
| <b>Remove Paper &lt;specified bin&gt;</b> | The specified output bin, or bins, is full.   | Remove the stack of paper from the specified bin(s) to clear the message.   |
| <b>Resetting Active Bin</b>               | The printer is resetting to the active bin in a linked set of bins.   | Wait for the message to clear.  |
| <b>Resetting Fuser Cnt Value</b>          | The printer is resetting the counter that tracks wear on the fuser.   | Wait for the message to clear.  |
| <b>Resetting the Printer</b>              | The printer is resetting to the current default settings. Any active print jobs are canceled.   | Wait for the message to clear.<br>See also: <b>Changing menu settings</b>   |
| <b>Restore Held Jobs. Go/Stop?</b>        | Someone reset the printer or turned it on, and the printer detects Print and Hold jobs stored on the hard disk.   | <ul style="list-style-type: none"> <li>Press <b>Go</b>. All Print and Hold jobs on the hard disk are restored to printer memory.</li> <li>Press <b>Return</b> or <b>Stop</b>. No Print and Hold jobs are restored to printer memory. The printer returns to the Ready state.</li> </ul> See also: <b>Holding a job in the printer</b> |
| <b>Restoring Factory Defaults</b>         | The printer is restoring the factory default printer settings. When factory default settings are restored: <ul style="list-style-type: none"> <li>All downloaded resources (fonts, macros, symbol sets) in the printer memory are deleted.</li> <li>All menu settings return to the factory default setting <i>except</i>:               <ul style="list-style-type: none"> <li>The Display Language setting in the Setup Menu.</li> <li>All settings in the Parallel Menu, Serial Menu, Network Menu, USB Menu, and Fax Menu.</li> </ul> </li> </ul> | Wait for the message to clear.<br>See also: <b>Restoring factory default settings</b>   |
| <b>Restoring Held Job xxx/yyy</b>         | The printer is restoring held jobs from the hard disk.<br><b>Note:</b> <b>xxx</b> represents the number of the job being restored. <b>yyy</b> represents the total number of jobs to be restored.   | <ul style="list-style-type: none"> <li>Wait for the message to clear.</li> <li>Select the Abort Restore menu item in the Job Menu.</li> </ul> See also: <b>Holding a job in the printer</b>   |
| <b>Restoring Held Jobs</b>                | The printer is restoring held jobs from the hard disk.  | Wait for the message to clear.<br>See also: <b>Holding a job in the printer</b>   |
| <b>Serial &lt;x&gt;</b>                   | A serial interface is the active communication link.  | Wait for the message to clear.  |
| <b>Setup Required Press Go</b>            | <ul style="list-style-type: none"> <li>When you unpacked the printer, you left a piece of packing material inside.</li> </ul>   | Remove all packing material from inside the printer.<br>After pressing <b>Go</b> , you may see the message, "Remove Cartridge and ITU Packaging."<br>See also: <b>Remove Cartridge and ITU Packaging</b> ; "Step 5: Installing Supplies" in the <i>Setup Guide</i> .  |

| Message  | What this message means   | What you can do   |
|--|---|---|
| <b>Staples Low</b>   | The stapler has only a few staples remaining.   | <ul style="list-style-type: none"> <li>Press <b>Go</b> to continue printing.</li> <li>Install a new staple cartridge to clear the message.</li> </ul>   |
| <b>Std Bin Full</b>  | The standard bin is full.   | Remove the stack of paper in the bin to clear the message.  |
| <b>Supplies</b>  | At least one of the printer supplies requires attention. For example, you may have a toner cartridge that is low on toner.  | Press <b>Menu</b> to open the Supplies Menu and identify which supply item needs replacing. Replace the appropriate printer supplies.   |
| <b>Tray &lt;x&gt; Empty</b>  | The specified tray is out of paper.   | Load paper in the tray to clear the message.<br>See also: <b>Loading the trays</b>  |
| <b>Tray &lt;x&gt; Low</b>  | The specified tray is low on paper.   | Add paper to the tray to clear the message.<br>See also: <b>Loading the trays</b>   |
| <b>Tray &lt;x&gt; Missing</b>  | The specified tray is either missing or not fully inserted into the printer.  | Insert the tray completely into the printer.<br>See also: <b>Loading the trays</b>  |
| <b>USB &lt;x&gt;</b>   | The printer is processing data through the specified USB port.  | Wait for the message to clear.  |
| <b>Waiting</b>   | The printer has received a page of data to print but is waiting for an End of Job command, a Form Feed command, or additional data.   | <ul style="list-style-type: none"> <li>Press <b>Go</b> to print the contents of the buffer.</li> <li>Press <b>Menu</b> to open the Job Menu and cancel the current job.</li> </ul> See also: <b>Canceling a print job</b>   |
| <b>100–199 Service &lt;message&gt;</b>                                   | Messages 100–199 relate to printer problems that may require printer service.   | Turn the printer off and check all cable connections. Turn the printer back on. If the service message recurs, call for service and report the message number and description of the problem.<br>See also: <b>Calling for service</b>   |
| <b>1565 Emul Error Load Emul Option</b>                                  | The download emulator version on the firmware card does not match the printer code version.<br>This error can occur if you update printer firmware or move a firmware card from one printer to another. | The printer automatically clears the message in 30 seconds, and then disables the download emulator on the firmware card.<br>Download the correct download emulator version from the Lexmark Web site.  |
| <b>2&lt;xx&gt; Paper Jam &lt;x&gt; Pages Jammed Check Area &lt;x&gt;</b> | The printer detects a paper jam.<br>The printer displays the number of jammed pages and the area affected.  | <ul style="list-style-type: none"> <li>Clear the paper path.</li> <li>Check tray 1 to ensure media is loaded correctly.</li> </ul> See also: <b>Understanding jam messages; Clearing the entire paper path; Loading the trays</b>   |
| <b>30 ITU Error Check Area A / Move Z Down Power Off/On</b>              | The image transfer unit (ITU) is not installed or is installed incorrectly, or the lever [Z] which locks the image transfer unit into position is not engaged.  | <ul style="list-style-type: none"> <li>Turn the printer off, correctly install the image transfer unit, and then turn the printer on.</li> <li>Check the lever [Z] which locks the image transfer unit into position.</li> </ul> See also: <b>Clearing image transfer unit jams</b> |

| Message                                       | What this message means   | What you can do  |
|---|---|--|
| <b>30 &lt;color&gt; Toner Cart Missing</b>    | The specified toner cartridge is either missing or incorrectly installed.   | <ul style="list-style-type: none"> <li>• Insert the toner cartridge completely into the printer. The printer automatically clears the message.</li> <li>• If the printer was just set up for the first time, see “Step 5: Installing Supplies” in the <i>Setup Guide</i>.</li> </ul>   |
| <b>31 Defective &lt;x&gt; Cartridge</b>       | A defective print cartridge is installed.   | Remove the specified print cartridge and install a new one.  |
| <b>32 Unsupported &lt;color&gt; Cartridge</b> | An unsupported print cartridge is installed.  | Remove the specified print cartridge and install a new one.  |
| <b>33 Calibration Error &lt;x&gt;</b>         | The printer detects a calibration error for a particular color.   | <ul style="list-style-type: none"> <li>• Press <b>Go</b> to continue printing.</li> <li>• Once printing is complete, press <b>Menu</b> to access the <b>Color Menu</b>, and select <b>Color Adjust</b> to recalibrate.</li> </ul>  |
| <b>34 Incorrect Media</b>                     | The printer has detected a mismatch in the requested media type and the type loaded in the multipurpose feeder or any tray.<br>See <b>Paper and specialty media specifications</b> on page 38 for more information.   | <ul style="list-style-type: none"> <li>• Replace the media in the multipurpose feeder or tray with the requested media and press <b>Go</b>.</li> <li>• Press <b>Menu</b> to access the <b>Busy/Waiting Menu</b> group, and select one of the following options: <ul style="list-style-type: none"> <li>– Cancel Job</li> <li>– Reset Printer</li> <li>– Reset Active Bin</li> <li>– Check Supply Levels</li> </ul> </li> </ul>   |
| <b>34 Short Paper</b>                         | The printer has determined that the length of the paper in the source specified on the second line of the display is too short to print the formatted data. For auto-size sensing trays, this error occurs if the paper guides are not in the correct position. | <ul style="list-style-type: none"> <li>• Press <b>Go</b> to clear the message and continue printing. The printer does not automatically reprint the page that prompted the message.</li> <li>• Make sure the Paper Size setting in the Paper Menu is correct for the size paper you are using. If MP Feeder Size is set to Universal, make sure your paper is large enough for the formatted data.</li> <li>• Press <b>Menu</b> to open the Job Menu and cancel the current job.</li> </ul> <p>See also: <b>Paper and specialty media specifications</b></p> |
| <b>35 Res Save Off Deficient Memory</b>       | The printer lacks the memory needed to enable Resource Save. This message usually indicates too much memory is allocated for one or more of the printer link buffers.   | <ul style="list-style-type: none"> <li>• Press <b>Go</b> to disable Resource Save and continue printing.</li> <li>• To enable Resource Save after you get this message: <ul style="list-style-type: none"> <li>– Make sure the link buffers are set to Auto, and exit the menus to activate the link buffer changes.</li> <li>– When <b>Ready</b> is displayed, enable Resource Save from the Setup Menu.</li> </ul> </li> <li>• Install additional memory.</li> </ul>   |
| <b>36 Printer Service Required</b>            | Background toner has prevented a calibration cycle from completing. A defective cartridge or ITU may be installed. Contact a service representative for a diagnosis.  | Press <b>Go</b> to clear the error.<br>See also: <b>Calling for service</b>  |

| Message                               | What this message means   | What you can do  |
|---------------------------------------|---|--|
| <b>37 Insufficient Collation Area</b> | The printer memory (or hard disk, if installed) does not have the free space necessary to collate the print job.        | <ul style="list-style-type: none"> <li>• Press <b>Go</b> to print the portion of the job already stored and begin collating the rest of the job.</li> <li>• Press <b>Menu</b> to open the Job Menu and cancel the current job.</li> </ul> <p>See also: <b>Canceling a print job</b></p>  |
| <b>37 Insufficient Defrag Memory</b>  | The printer cannot defragment flash memory, because the printer memory used to store undeleted flash resources is full. | <ul style="list-style-type: none"> <li>• Delete fonts, macros, and other data in printer memory.</li> <li>• Install additional printer memory.</li> </ul>  |
| <b>37 Insufficient Memory</b>         | The printer memory is full and cannot continue processing current print jobs.   | <ul style="list-style-type: none"> <li>• Press <b>Go</b> to clear the message and continue the current print job. The printer frees memory by deleting the oldest held job and continues deleting held jobs until there is enough printer memory to process the job.</li> <li>• Press <b>Stop</b> to clear the message without deleting any held jobs. The current job may not print correctly.</li> <li>• Press <b>Menu</b> to open the Job Menu and cancel the current job.</li> <li>• To avoid this error in the future: <ul style="list-style-type: none"> <li>– Delete fonts, macros, and other data in printer memory.</li> <li>– Install additional printer memory.</li> </ul> </li> </ul> <p><b>Note:</b> The messages <b>37 Insufficient Memory</b> and <b>Held Jobs may be lost</b> alternate on the display.</p> <p>See also: <b>Holding a job in the printer; Held Jobs May Be Lost; Held Jobs May Not Be Restored</b></p> |
| <b>38 Memory Full</b>                 | The printer is processing data, but the memory used to store pages is full.   | <ul style="list-style-type: none"> <li>• Press <b>Go</b> to clear the message and continue printing the job. The job may not print correctly.</li> <li>• Press <b>Menu</b> to open the Job Menu and cancel the current job.</li> <li>• To avoid this error in the future: <ul style="list-style-type: none"> <li>– Simplify the print job by reducing the amount of text or graphics on a page and deleting unnecessary downloaded fonts or macros.</li> <li>– Install additional printer memory.</li> </ul> </li> </ul> <p>See also: <b>Canceling a print job</b></p>   |

| Message                                     | What this message means  | What you can do   |
|---|--|---|
| <b>39 Complex Page</b>                      | The page may not print correctly because the print information on the page is too complex.       | <ul style="list-style-type: none"> <li>• Press <b>Go</b> to clear the message and continue printing the job. The job may not print correctly.</li> <li>• Press <b>Menu</b> to open the Job Menu and cancel the current job.</li> <li>• To avoid this error in the future: <ul style="list-style-type: none"> <li>– Reduce the complexity of the page by reducing the amount of text or graphics on the page and deleting unnecessary downloaded fonts or macros.</li> <li>– Set Page Protect to On in the Setup Menu.</li> <li>– Install additional printer memory.</li> </ul> </li> </ul> <p>See also: <b>Setup Menu</b></p> |
| <b>4&lt;x&gt; Unsupported Firmware Card</b> | The printer detects an unsupported version of firmware on the installed firmware card.           | <ul style="list-style-type: none"> <li>• Turn the printer off, and then press and hold <b>Go</b> while turning it on. The printer reads the code on the system card and bypasses the code on the firmware card.</li> <li>• Remove the firmware card.</li> </ul> <p>See also: <i>Setup Guide</i></p>   |
| <b>40 &lt;color&gt; Invalid Refill</b>      | The printer has detected an unsupported refilled cartridge.                                      | Remove the indicated print cartridge and install a new one.   |
| <b>50 PPDS Font Error</b>                   | The PPDS interpreter has encountered a font error.   | <ul style="list-style-type: none"> <li>• Press <b>Go</b> to clear the message and continue printing.</li> <li>• Press <b>Menu</b> to open the Job Menu and reset the printer or cancel the print job.</li> </ul>  |
| <b>51 Defective Flash</b>                   | The printer detects defective flash memory.  | Press <b>Go</b> to clear the message and continue printing. You must install different flash memory before you can download any resources to flash.   |
| <b>52 Flash Full</b>                        | There is not enough free space in the flash memory to store the data you are trying to download. | <ul style="list-style-type: none"> <li>• Press <b>Go</b> to clear the message and continue printing. Downloaded fonts and macros not previously stored in flash memory are deleted.</li> <li>• Delete fonts, macros, and other data stored on the flash memory.</li> <li>• Install flash memory with more storage capacity.</li> </ul>  |
| <b>53 Unformatted Flash</b>                 | The printer detects unformatted flash memory.  | <ul style="list-style-type: none"> <li>• Press <b>Go</b> to clear the message and continue printing. You must format the flash memory before you can store any resources on it.</li> <li>• If the error message remains, the flash memory may be defective and require replacing.</li> </ul>  |
| <b>54 Serial Option &lt;x&gt; Error</b>     | The printer has detected a serial interface error on a serial port.                              | <ul style="list-style-type: none"> <li>• Make sure the serial link is set up correctly and you are using the appropriate cable.</li> </ul>  |
| <b>54 Standard Serial Error</b>             |  | <ul style="list-style-type: none"> <li>• Press <b>Go</b> to clear the message and continue printing. The job may not print correctly.</li> <li>• Press <b>Menu</b> to open the Job Menu and reset the printer.</li> </ul>   |

| Message  | What this message means   | What you can do  |
|--|---|--|
| <b>54 Network &lt;x&gt; Software Error</b>     | The printer cannot establish communications with an installed network port.   | <ul style="list-style-type: none"> <li>Press <b>Go</b> to clear the message and continue printing. The job may not print correctly.</li> <li>Program new firmware for the network interface by way of the parallel port.</li> <li>Press <b>Menu</b> to open the Job Menu and reset the printer.</li> </ul> |
| <b>54 Std Network Software Error</b>           |   |  |
| <b>54 Std Par ENA Connection Lost</b>          | The printer has lost the connection to an external print server (also called an external network adapter or ENA).   | <ul style="list-style-type: none"> <li>Make sure the cable connecting the ENA and the printer is securely attached. Turn the printer off and then on to reset the printer.</li> <li>Press <b>Go</b> to clear the message. The printer erases any reference to the ENA and then resets.</li> </ul>          |
| <b>54 Par &lt;x&gt; ENA Connection Lost</b>    |   |  |
| <b>55 Unsupported Option in Slot &lt;x&gt;</b> | An unsupported option card is installed in one of the ports or an unsupported flash DIMM is installed in a memory slot.   | Turn off and unplug the printer. Remove the unsupported option. Plug in the printer and turn it on.<br><br>See <b>Removing memory and option cards</b> for help.   |
| <b>55 Unsupported Flash in Slot &lt;x&gt;</b>  |   |  |
| <b>56 Serial Port &lt;x&gt; Disabled</b>       | Data has been sent to the printer through a serial port, but the serial port is disabled.   | <ul style="list-style-type: none"> <li>Press <b>Go</b> to clear the message. The printer discards any data received through the serial port.</li> <li>Make sure the Serial Buffer menu item in the Serial Menu is not set to Disabled.</li> </ul> See also: <b>Serial Buffer</b>                           |
| <b>56 Standard Serial Disabled</b>             |   |  |
| <b>56 Parallel Port &lt;x&gt; Disabled</b>     | Data has been sent to the printer through a parallel port, but the parallel port is disabled.   | <ul style="list-style-type: none"> <li>Press <b>Go</b> to clear the message. The printer discards any data received through the parallel port.</li> <li>Make sure the Parallel Buffer menu item in the Parallel Menu is not set to Disabled.</li> </ul> See also: <b>Parallel Buffer</b>                   |
| <b>56 Std Parallel Port Disabled</b>           |   |  |
| <b>56 USB Port &lt;x&gt; Disabled</b>          | Data has been sent to the printer through a USB port, but the USB port is disabled.   | <ul style="list-style-type: none"> <li>Press <b>Go</b> to clear the message. The printer discards any data received through the USB port.</li> <li>Make sure the USB Buffer menu item in the USB Menu is not set to Disabled.</li> </ul> See also: <b>USB Buffer</b>                                       |
| <b>56 Standard USB Port Disabled</b>           |   |  |
| <b>58 Input Config Error</b>                   | Either too many drawers with matching trays are attached to the printer or the input configuration is invalid. (For example, a duplex unit is not installed directly underneath the printer, but under a tray instead.) | Turn off and unplug the printer. Remove the additional drawers or reconfigure the offending option. Plug in the printer and turn it on.<br><br>See also: <i>Setup Guide</i>  |
| <b>58 Output Config Error</b>                  | Too many output options have been attached to the printer.  | Turn off and unplug the printer. Remove the additional output option(s). Plug in the printer and turn it on.<br><br>See also: <i>Setup Guide</i>   |

| Message                               | What this message means  | What you can do  |
|---------------------------------------|--|--|
| <b>58 Too Many Disks Installed</b>    | Too many hard disks are installed on the printer. The printer only supports one hard disk at a time. | Turn off and unplug the printer. Remove the excess hard disks from the printer. Plug in the printer and turn it on.<br>See also: <b>Removing memory and option cards</b>   |
| <b>58 Too Many Flash Options</b>      | Too many flash memory options are installed on the printer.  | Turn off and unplug the printer. Remove the excess flash memory. Plug in the printer and turn it on.<br>See also: <b>Removing memory and option cards</b>  |
| <b>59 Incompatible &lt;device&gt;</b> | You have installed an incompatible device.   | Remove the device and press <b>Go</b> to clear the message.  |
| <b>61 Defective Disk</b>              | The printer detects a defective hard disk.   | <ul style="list-style-type: none"> <li>Press <b>Go</b> to clear the message and continue printing.</li> <li>Install a different hard disk before you perform any operations that require one.</li> </ul> See also: <i>Setup Guide</i>  |
| <b>62 Disk Full</b>                   | There is not enough memory on the hard disk to store the data sent to the printer.                   | <ul style="list-style-type: none"> <li>Press <b>Go</b> to clear the message and continue processing. Any information not previously stored on the hard disk is deleted.</li> <li>Delete fonts, macros, and other data stored on the hard disk.</li> </ul>  |
| <b>63 Unformatted Disk</b>            | The printer detects an unformatted hard disk.  | <ul style="list-style-type: none"> <li>Press <b>Go</b> to clear the message and continue printing.</li> <li>Format the disk before performing any disk operations. To format the disk, select Format Disk from the Utilities Menu.</li> <li>If the error message remains, the hard disk may be defective and require replacing. Install a new hard disk and format it.</li> </ul> See also: <b>Format Disk</b> |
| <b>64 Disk Not Supported</b>          | The printer detects that an incompatible hard disk is installed.                                     | Turn the printer off and remove the disk.<br>See also: <b>Removing memory and option cards</b>   |
| <b>64 Unsupported Disk Format</b>     | The printer detects an unsupported disk format.  | <ul style="list-style-type: none"> <li>Press <b>Go</b> to clear the message.</li> <li>Format the disk.</li> </ul> <b>Note:</b> Disk operations are not allowed until the disk is formatted.  |
| <b>80 Fuser Maintenance</b>           | The counter that tracks wear on the fuser has reached its limit.                                     | <ul style="list-style-type: none"> <li>Press <b>Go</b> to continue printing.</li> <li>If print quality is unacceptable, replace the fuser.</li> </ul>  |
| <b>81 Engine Code CRC Failure</b>     | Microcode in the engine flash code module has failed a system check.                                 | <ul style="list-style-type: none"> <li>Press <b>Go</b> to clear the message.</li> <li>Discard the code. Retransmit the microcode data from the host computer.</li> </ul>   |

| Message                                | What this message means  | What you can do   |
|--|--|---|
| <b>82 Waste Bottle Nearly Full</b>     | The toner waste container is almost full.  | <ul style="list-style-type: none"> <li>Press <b>Go</b> to clear the message and continue printing.</li> <li>Replace the toner waste container.</li> </ul> See also: <b>82 Waste Toner Bottle Full</b>   |
| <b>82 Waste Toner Bottle Full</b>      | The toner waste container is full.   | Replace the toner waste container and press <b>Go</b> to clear the message.   |
| <b>82 Waste Toner Bottle Missing</b>   | The toner waste container is missing.  | Replace the toner waste container and press <b>Go</b> to clear the message.   |
| <b>83 ITU Maintenance</b>              | The counter that tracks wear on the image transfer unit has reached its limit.   | <ul style="list-style-type: none"> <li>Press <b>Go</b> to continue printing.</li> <li>If print quality is unacceptable, replace the image transfer unit.</li> </ul>   |
| <b>84 Oiler Nearly Exhausted</b>       | The web oiler is nearing the end of its life.  | <ul style="list-style-type: none"> <li>Press <b>Go</b> to clear the message and continue printing.</li> <li>Replace the web oiler.</li> </ul> See also: <b>Ordering a web oiler</b>   |
| <b>84 Replace Oiler</b>                | The web oiler has reached its end of life or is missing from the printer.  | Replace the web oiler.<br>See also: <b>Ordering a web oiler</b>   |
| <b>85 ITU Maintenance</b>              | The color adjust sensor LED is too weak.   | <ul style="list-style-type: none"> <li>Press <b>Go</b> to continue printing.</li> <li>If print quality is unacceptable, replace the image transfer unit.</li> </ul>   |
| <b>86 ITU Maintenance</b>              | The color adjust sensor LED is too bright.   | <ul style="list-style-type: none"> <li>Press <b>Go</b> to continue printing.</li> <li>If print quality is unacceptable, replace the image transfer unit.</li> </ul>   |
| <b>87 Fuser Missing</b>                | The fuser is either missing or incorrectly installed.  | Correctly install the fuser to clear the message and continue printing.   |
| <b>88 &lt;color&gt; Toner Low</b>      | The printer has detected that the specified print cartridge is nearly exhausted. If you do not have a replacement cartridge on hand, order one now. More pages may be printed before the cartridge is totally exhausted. | <ul style="list-style-type: none"> <li>Replace the specified print cartridge.</li> <li>Press <b>Go</b> to clear the message and continue printing. The <b>supplies</b> message is displayed until you replace the specified print cartridge.</li> </ul> |
| <b>89 ITU Maintenance</b>              | The ITU NVRAM is invalid.  | <ul style="list-style-type: none"> <li>Press <b>Go</b> to continue printing.</li> <li>If print quality is unacceptable, replace the image transfer unit.</li> </ul>   |
| <b>900–999 Service &lt;message&gt;</b> | Messages 900–999 relate to printer problems that may require printer service.  | Turn the printer off and check all cable connections. Turn the printer back on. If the service message recurs, call for service and report the message number and description of the problem.<br>See also: <b>Calling for service</b>                   |

# 7

## Clearing paper jams

### Understanding jam messages

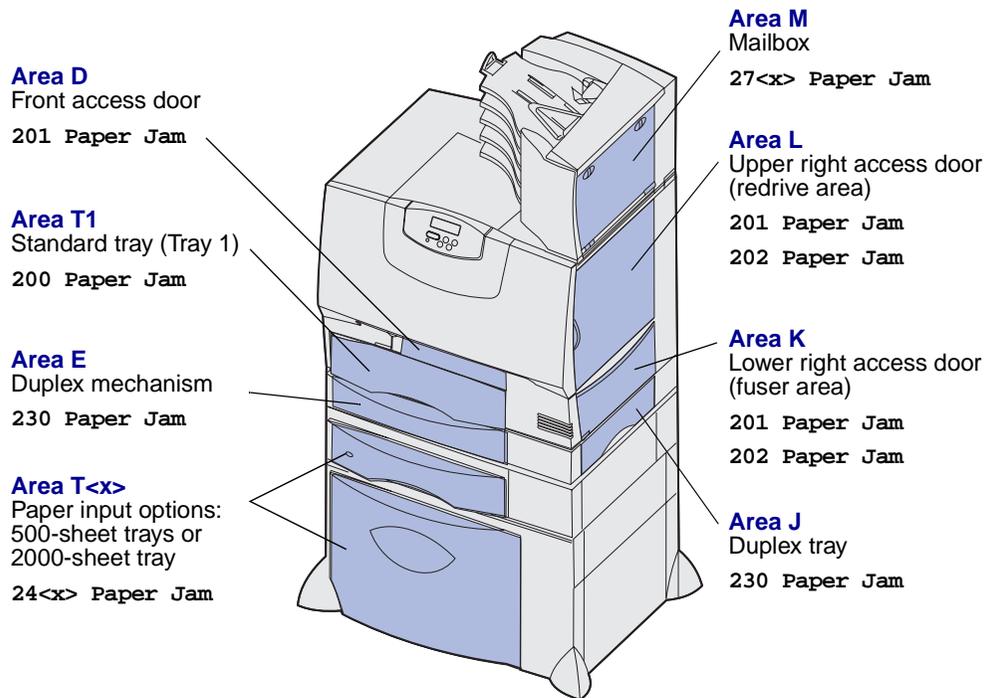
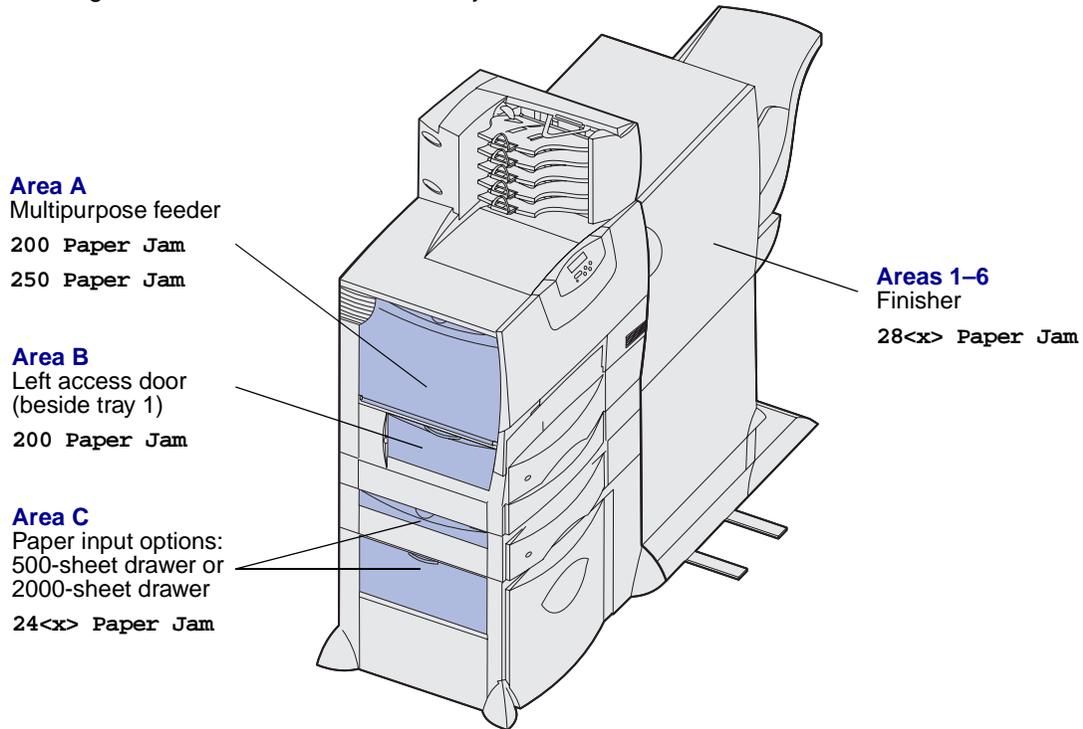
**Note:** Always clear the entire paper path when you receive any jam message.

#### Paper jam messages

| Message  | Check Areas...   | What to do...  |
|--|------------------|--|
| 200 Paper Jam<br>(tray 1 and left access door beside tray 1) | A, B, T1         | Follow the instructions for clearing <b>Area A</b> , <b>Area B</b> , and <b>Area T1</b> .<br>If the jam message persists, paper may be caught in the image transfer unit. See <b>Clearing image transfer unit jams</b> for instructions. |
| 201 Paper Jam<br>(fuser area)                                | D, K, L          | Follow the instructions for clearing <b>Area D</b> , <b>Area K</b> , and <b>Area L</b> .<br>If the jam message persists, paper may be caught in the fuser. See <b>Clearing fuser jams</b> for instructions.                              |
| 202 Paper Jam<br>(fuser area)                                | K, L             | Follow the instructions for clearing <b>Area K</b> and <b>Area L</b> .<br>If the jam message persists, paper may be caught in the fuser. See <b>Clearing fuser jams</b> for instructions.  |
| 230 Paper Jam<br>(duplex area)                               | E, J             | Follow the instructions for clearing <b>Area E</b> and <b>Area J</b> .   |
| 24<x> Paper Jam<br>(trays 2–4)                               | C, T<x>          | Follow the instructions for clearing <b>Area C</b> and <b>Area T&lt;x&gt;</b> .  |
| 250 Paper Jam<br>(multipurpose feeder)                       | A                | Follow the instructions for clearing <b>Area A</b> .   |
| 27<x> Paper Jam<br>(mailbox and output expander)             | M                | Follow the instructions for <b>Clearing mailbox or output expander jams (Area M)</b> .   |
| 28<x> Paper Jam<br>(finisher)                                | 1, 2, 3, 4, 5, 6 | Refer to the <i>Finisher Setup &amp; User's Guide</i> for instructions on clearing finisher jams.  |

## Access doors and trays

The following illustrations show areas where jams can occur.



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## ***Clearing the entire paper path***

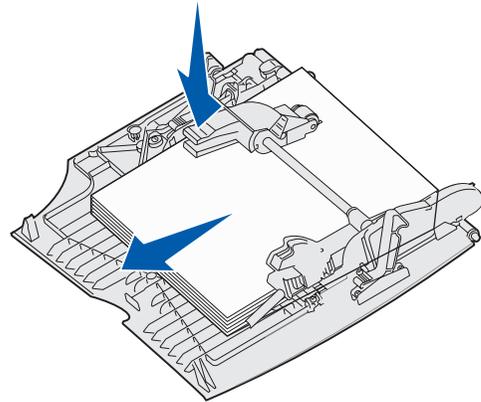
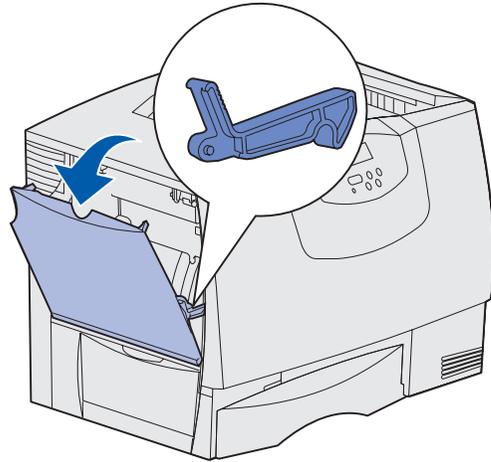
When a paper jam occurs, the printer stops operating and displays 2<xx> **Paper Jam** and a message to clear certain printer areas.

After you have cleared the following areas, make sure all printer covers, doors, and trays are closed, and then press **Go** to resume printing.

**Note:** The printer also displays **<x> Pages Jammed**. Be sure to remove all the jammed pages before pressing **Go**.

### Area A

- 1 If you are using the multipurpose feeder, release the levers on each side of the feeder to lay it flat.
- 2 Press the pick assembly release lever and remove all media and jams.
- 3 Return the feeder to its working position and reload your media.



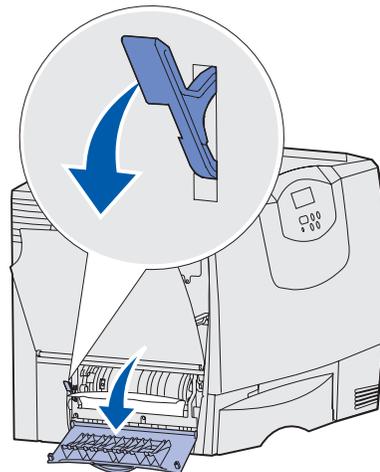
### Area B

- 1 Open the left access door.
- 2 Pull down the lever until it stops.
- 3 Remove all visible media.

**Note:** Remove any torn media from the printer.

- 4 Return the lever to its upright position.
- 5 Close the door.

**Note:** Open Tray 1 and make sure the entire media stack is pushed all the way down into the tray.



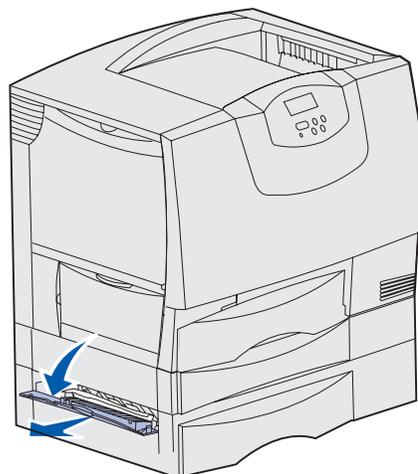
## Area C

**1** If you have one or more optional 500-sheet drawers:

**a** Open the 500-sheet drawer access door. Hold the door down while removing jams.

**Note:** Make sure the entire paper stack is loaded correctly and pushed all the way down into the tray.

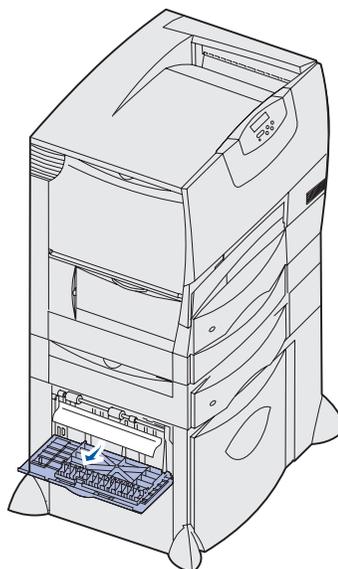
**b** Close the door.



**2** If you have an optional 2000-sheet drawer:

**a** Open the 2000-sheet drawer access door. Pull the jam down and out of the rollers.

**b** Close the door.

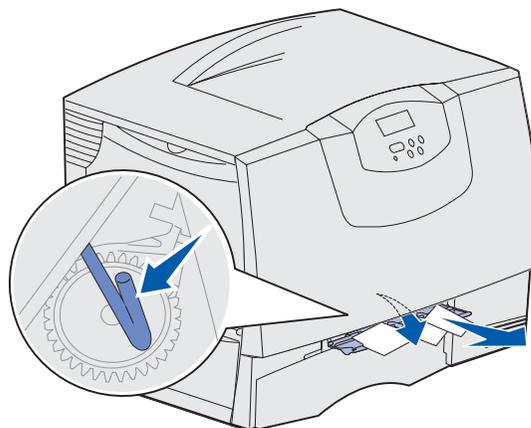


## Area D

**1** Open the front access door.

**2** Hold down the lever in the upper left corner. Remove jams in the rollers under the image transfer unit.

**Note:** Any image printed will not be fused to the page.



## Area T1

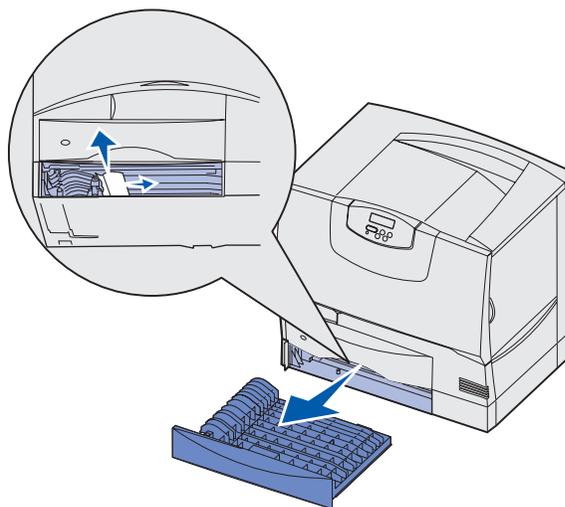
- 1 If clearing **Area B** did not clear the jam, then carefully open tray 1. Remove any jams.

**Note:** Make sure the paper is pushed all the way down into the tray.

- 2 Close tray 1.

## Area E

- 1 Pull the duplex mechanism completely out. Look inside and remove any paper caught in the rollers. Also, look up inside, as some jams may be above the rollers.
- 2 Reinstall the duplex mechanism in the printer.



## Area T<x>

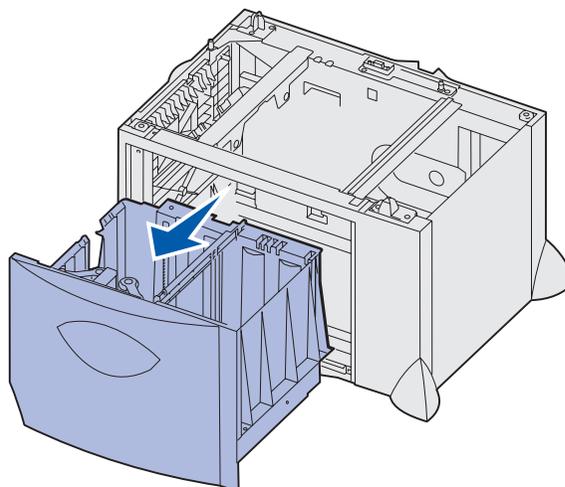
- 1 If you cannot clear all the 500-sheet drawer jams from **Area C**:
  - a Carefully open trays 2 through 4 (all 500-sheet trays) and remove jams.

**Note:** Make sure the paper is pushed all the way down into the tray.

- b Close trays 2 through 4.

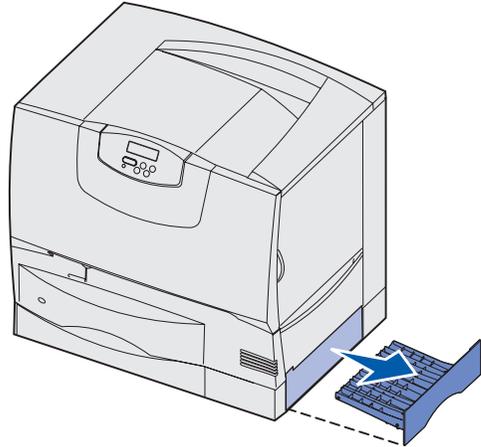
- 2 If you cannot clear the 2000-sheet drawer jam from **Area C**:

- a Open the 2000-sheet drawer.
- b Remove any jams, and then close the 2000-sheet drawer.



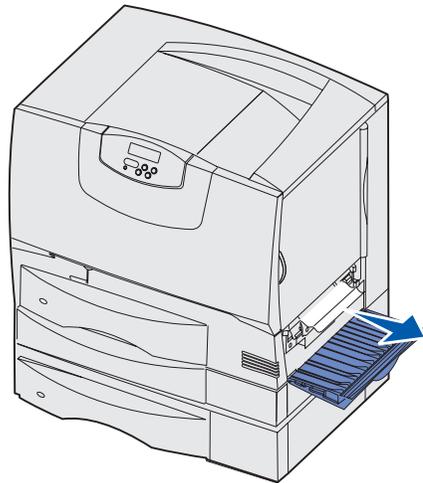
### **Area J**

- 1** Remove the duplex tray.
- 2** Remove any jams and then reinstall the tray.



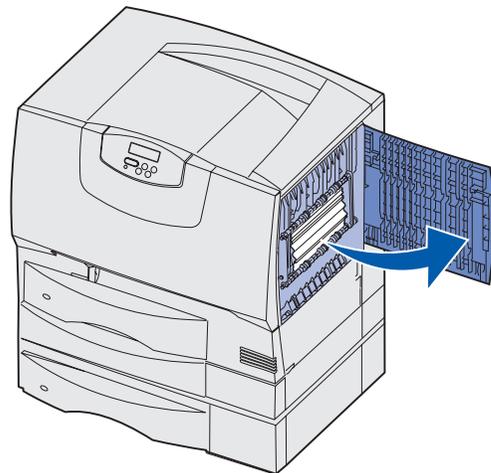
### **Area K**

- 1** Open the lower right access door.
- 2** Remove any jams, and then close the door.



### **Area L**

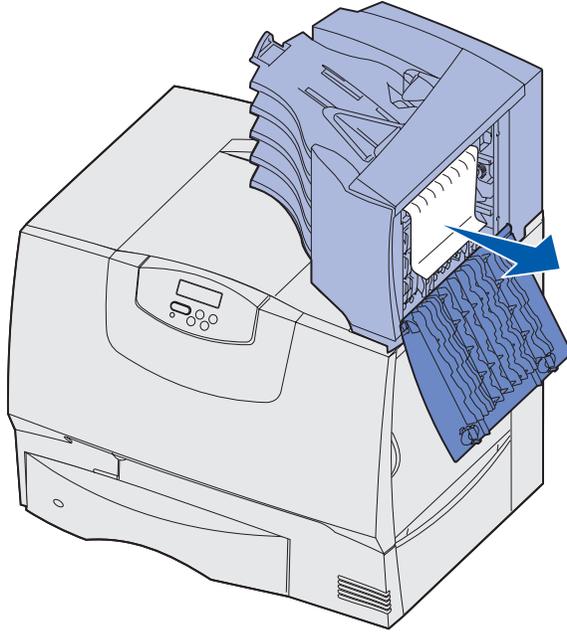
- 1** Open the upper right access door.
- 2** Remove jams from the rollers and then close the door.



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## Clearing mailbox or output expander jams (Area M)

- 1 Open the rear door of the 5-bin mailbox or output expander.

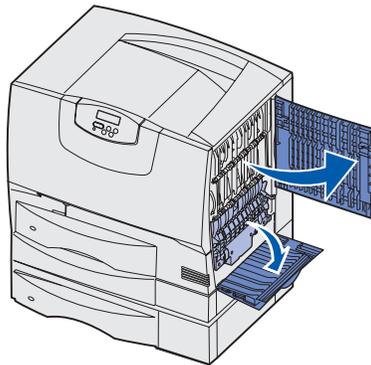


- 2 Pull the jam straight out, and then close the door.

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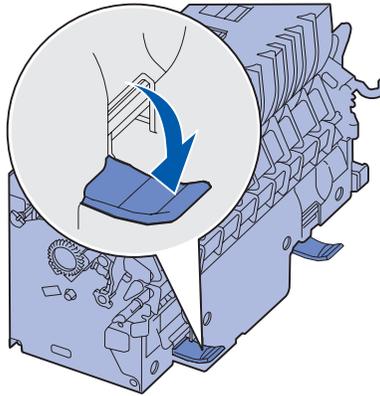
## Clearing fuser jams

- 1 Clear the paper path. If the jam error message persists, go to step 2.
- 2 Open both the upper right and the lower right access doors (Areas K and L).

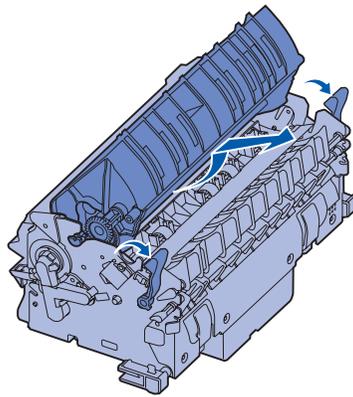


**CAUTION:** The fuser assembly may be hot. Let it cool before continuing.

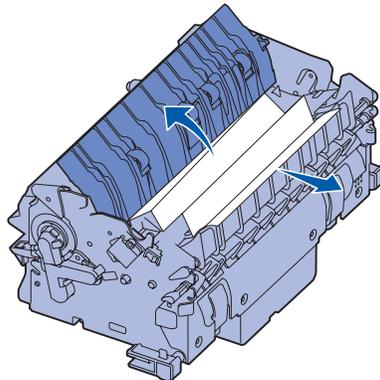
- 3 Pull down the latches. They slide toward the center to release the fuser.



- 4 Pull the fuser out, and set it on a clean, flat surface.
- 5 Unsnap the housing and set it aside.



- 6 Lift up the fuser roller cover and remove the jam.

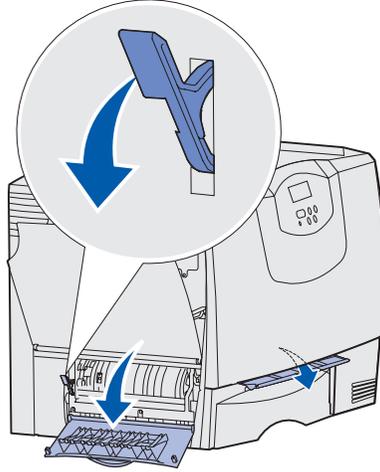


- 7 Close the fuser roller cover.
- 8 *Snap* the housing back onto the fuser.
- 9 Insert the fuser back into the printer.
- 10 Slide the latches out, and then pull up to refasten them.
- 11 Close the doors.

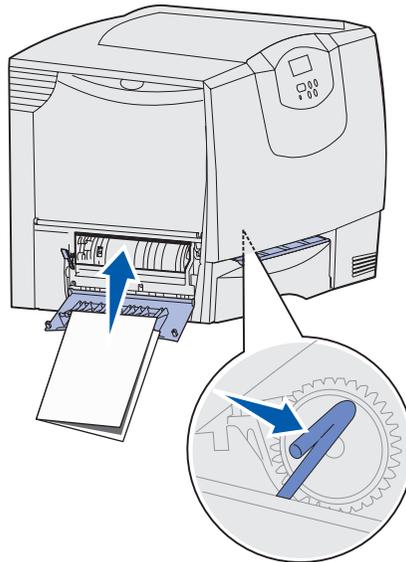
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## Clearing image transfer unit jams

- 1 Open the front access door and the left access door.

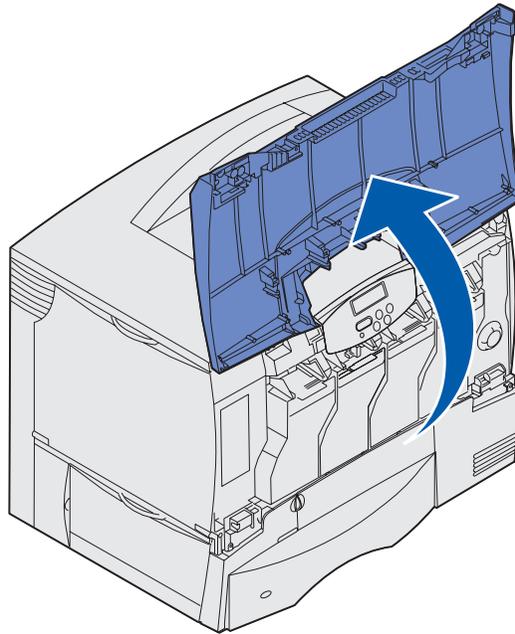


- 2 While holding down the lever behind the front access door, insert a folded piece of paper as shown to clear the paper sensors under the image transfer unit. Make sure to clear the entire width of the paper path.

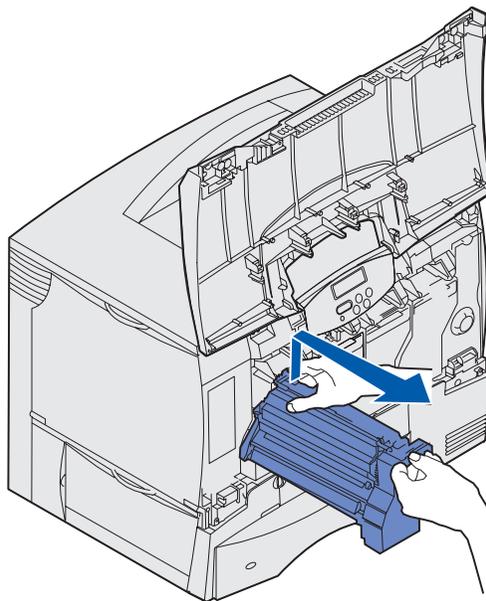


- 3 Close the left access door and the front access door. If the jam persists, continue with **step 4**.

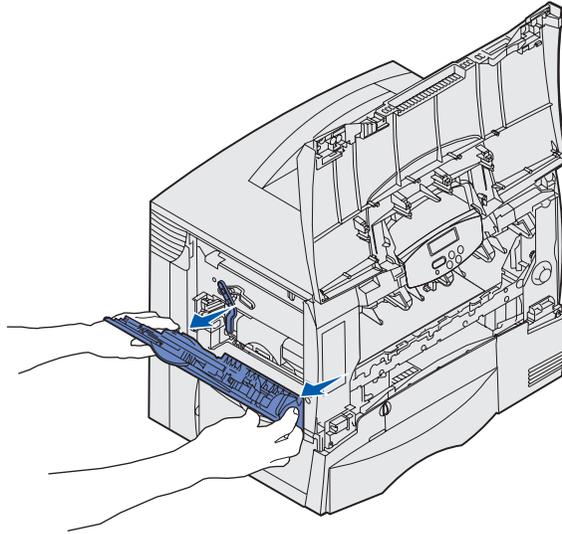
- 4** Turn the printer off. Open the front cover.



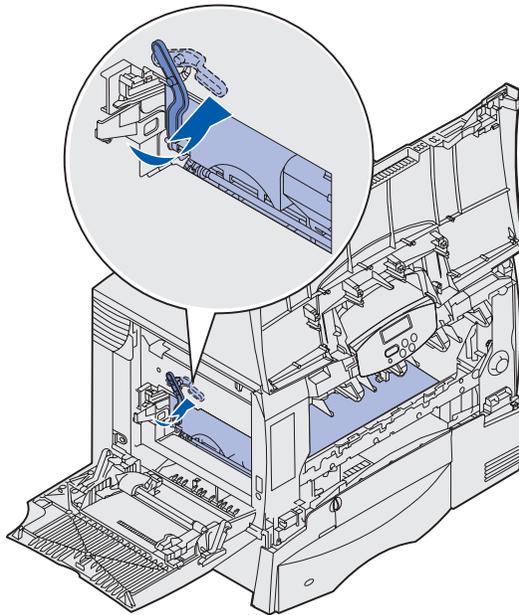
- 5** Remove all the print cartridges.
- a** Pull up slightly on the cartridge handhold.
  - b** Pull the cartridge straight out and use the handle to lift it off the guides.
  - c** Place the cartridges on a clean, flat surface out of direct light.



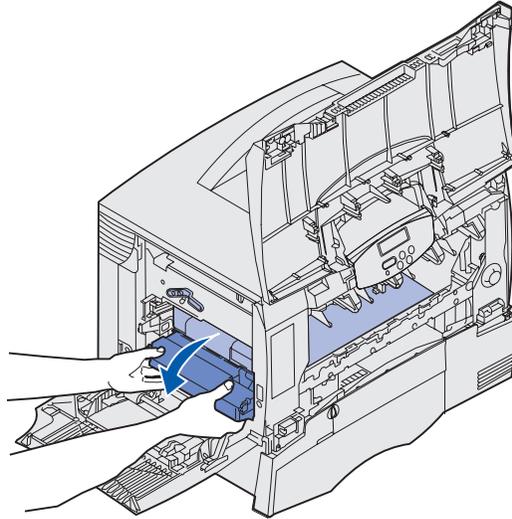
- 6** Release the latches to open the multipurpose feeder (area A) all the way.



- 7** Remove the image transfer unit.
- a** Raise the lever to unlock the image transfer unit.

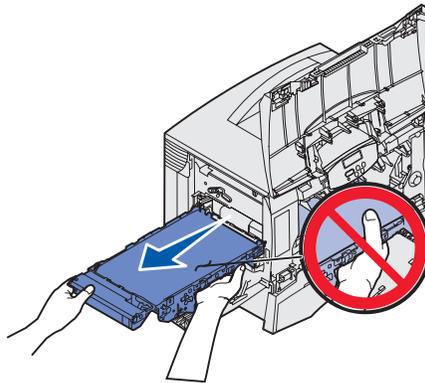


- b** Pull down on the handle.

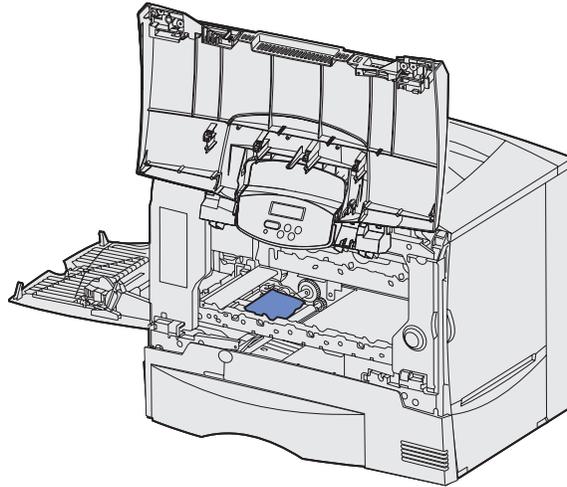


- c** Slide the image transfer unit out and place it on a clean, flat surface.

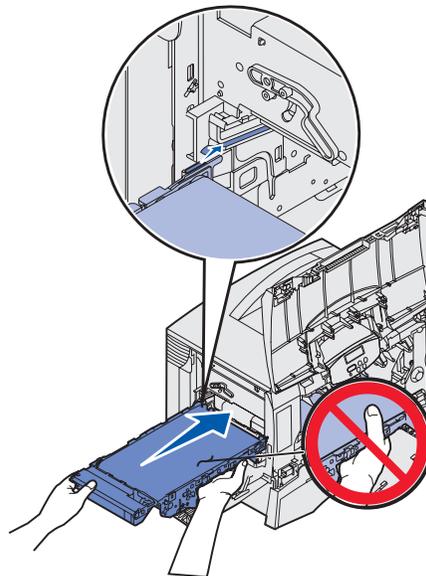
**Warning:** Do not touch the transfer belt. Touching the belt will damage the image transfer unit.



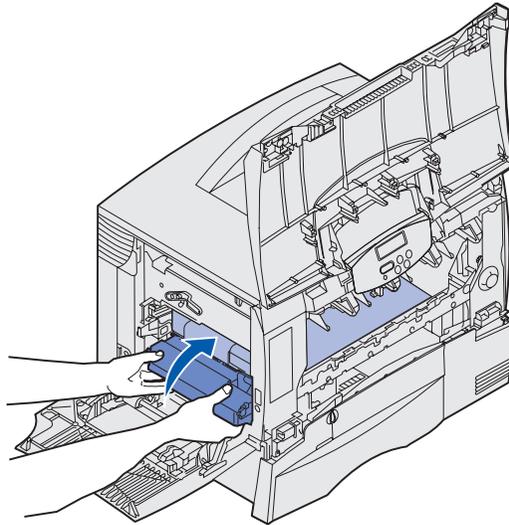
- 8** Look inside the printer. Remove all torn paper or other jams.



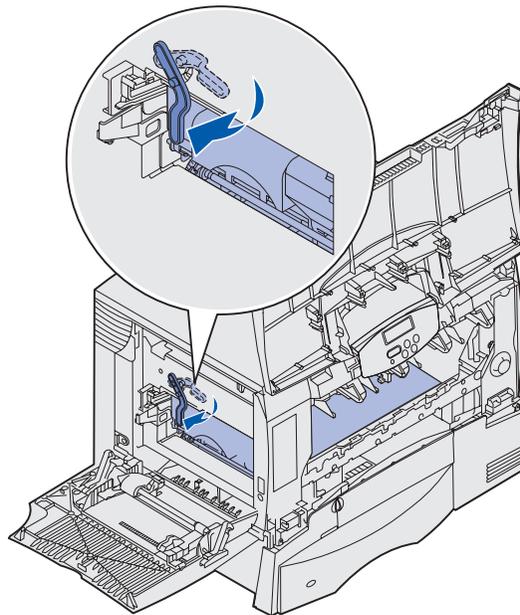
- 9** Insert the image transfer unit back into the printer.
- a** Align the guides with the insertion grooves and gently slide the unit in.



- b** Rotate the handle up, and gently push the unit into place.

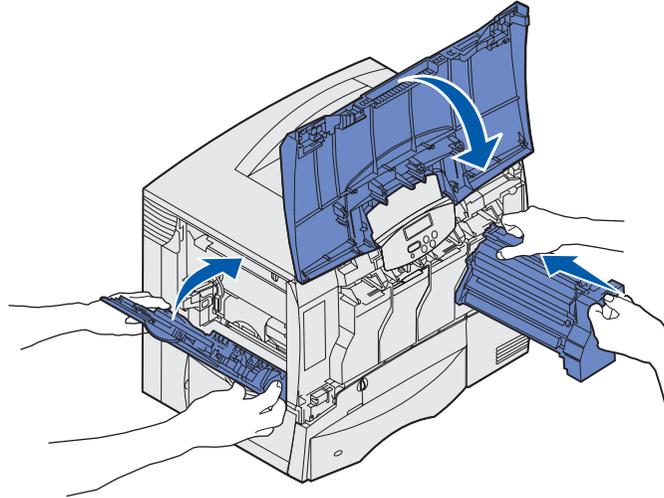


- c** Lower the lever to lock the image transfer unit in place.



- 10 Return the multipurpose feeder to its working position.

Reinstall all the print cartridges.



- 11 Close the printer door.

- 12 Turn the printer on. The printer returns to a Ready state.

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## ***Clearing finisher jams (Areas 1–6)***

Refer to the *Finisher Setup & User's Guide* for instructions on clearing finisher jams.

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## ***If you still need help***

- 1 Turn the printer off and then back on.
- 2 Contact your administrator or Help desk if you need more assistance.



## Maintenance

### *Determining the status of supplies*

To determine the status of all of the consumables installed in your printer, print the menu settings page.

See [Printing a menu settings page](#) for detailed instructions.

One or two pages print, depending on the number of menu settings you have. Look for “Consumable Status” on the page; the percentage of life remaining for each of the items is indicated.

### *Conserving supplies*

Several settings in your application software or on the display let you conserve toner and paper:

| Supply                    | Setting   | What the setting does  | For more information, see...  |
|---------------------------|---|--|---|
| Toner                     | Toner Darkness in the Color Menu  | Lets you adjust the amount of toner released on a sheet of paper. The values range from 1 (lightest setting) to 5 (darkest setting).   | <a href="#">Toner Darkness</a>  |
|                           | Color Saver in the Color Menu   | Reduces the amount of toner used to print graphics and images, while keeping text at the default toner level.  | <a href="#">Color Saver</a>   |
| Paper and specialty media | Multipage Print in the Finishing Menu   | Prints two or more page images on one side of a sheet.<br>Values for Multipage Print are 2 Up, 3 Up, 4 Up, 6 Up, 9 Up, 12 Up, and 16 Up.<br>Combined with the duplex setting, Multipage Print lets you print up to 32 pages on one sheet of paper (16 images on the front and 16 on the back). | <a href="#">Multipage Print</a>   |
|                           | Duplex in the Finishing Menu  | Available when you attach an optional duplex unit.   | <a href="#">Duplex</a>  |
|                           | Use your software application or printer driver to send a Verify Print job.<br>Use Held Jobs in the Job Menu to access your Verify Print job. | Lets you examine the first copy of a multiple-copy job to be sure it is satisfactory before you print the other copies. If the job is unsatisfactory, you may cancel the job.  | <a href="#">Verify Print</a><br><a href="#">Canceling a print job</a><br><a href="#">Holding a job in the printer</a> |

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## Ordering supplies and maintenance items

In the U.S. or Canada, call 1-800-Lexmark (1-800-539-6275) for information about Lexmark Authorized Supplies Dealers in your area. In other countries/regions, contact the place where you bought your printer.

You can also visit our Lexmark online store at [www.lexmark.com](http://www.lexmark.com) to order supplies. Click the Web link on the bottom of this page.

Replacing maintenance items as needed helps you maintain top performance, optimize print quality, and avoid printing problems.

### Ordering a fuser

When the **80 Fuser Maintenance** message appears on the display, you should order a new fuser.

**Note:** Order the correct type of fuser for your printer. Only order a web oiler fuser if an authorized servicer has installed a web oiler upgrade kit to allow your printer to print large quantities of vinyl or dual web labels.

| Type of fuser   | Printer voltage | Part number |
|-----------------|-----------------|-------------|
| Standard fuser  | 100 V (Japan)   | 12G6498     |
|                 | 115 V           | 12G6496     |
|                 | 220 V           | 12G6497     |
| Web oiler fuser | 100 V (Japan)   | 12G6502     |
|                 | 115 V           | 12G6514     |
|                 | 220 V           | 12G6515     |

### Ordering a web oiler

When the **84 Oiler Nearly Exhausted** or **84 Replace Oiler** message appears on the display, you should order a new web oiler. Use P/N 12G6545 to order a web oiler.

### Ordering an image transfer unit and transfer roller

When the **83 ITU Maintenance** message appears on the display, you should order a new image transfer unit and transfer roller. Use P/N 56P1544 to order an image transfer unit and second transfer roller.

### Ordering a print cartridge

When the **88 <color> Toner Low** message appears on the display, you should order a new print cartridge. You can continue to print after the **88 <color> Toner Low** message appears for a few hundred pages until the print fades or no longer prints satisfactorily.

Visit Lexmark's Web site at [www.lexmark.com](http://www.lexmark.com) for print cartridge ordering information.

The following is a list of cartridges you can order:

- Black print cartridge
- Cyan print cartridge
- Magenta print cartridge
- Yellow print cartridge
- Black high yield print cartridge
- Cyan high yield print cartridge
- Magenta high yield print cartridge
- Yellow high yield print cartridge
- Black Return Program print cartridge
- Cyan Return Program print cartridge
- Magenta Return Program print cartridge
- Yellow Return Program print cartridge
- Black high yield Return Program print cartridge
- Cyan high yield Return Program print cartridge
- Magenta high yield Return Program print cartridge
- Yellow high yield Return Program print cartridge

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## ***Recycling Lexmark products***

To return your Lexmark products to Lexmark for recycling:

- 1** 1. Visit our Web site:

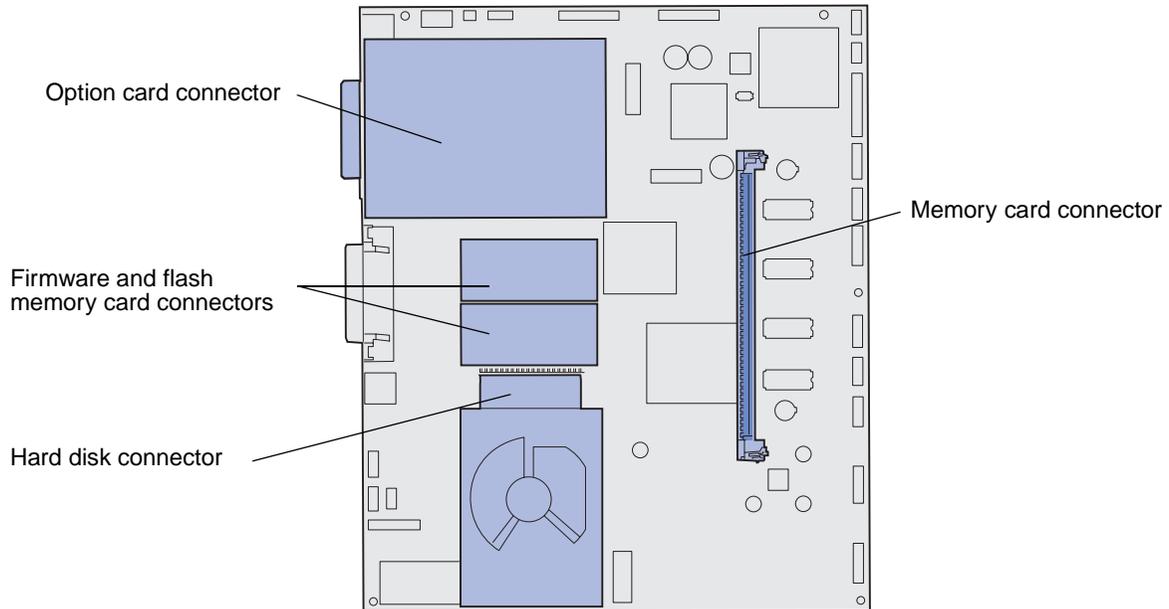
**[www.lexmark.com/recycle](http://www.lexmark.com/recycle)**

- 2** 2. Follow the instructions on your screen.

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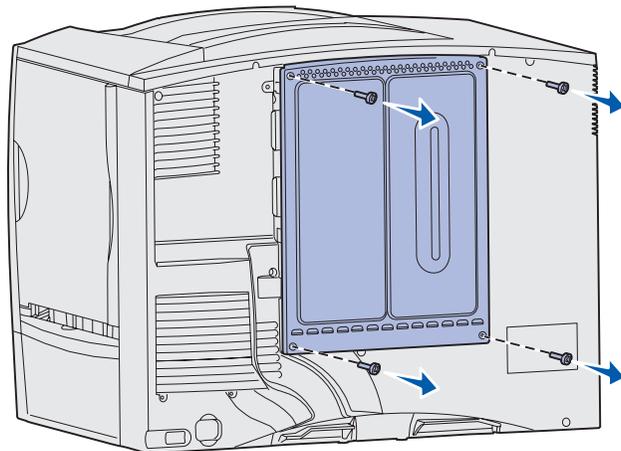
## Removing memory and option cards

To remove memory or option cards, use the following illustration to locate the connector for the card you want to remove.



## Accessing the printer system board

- 1 Turn the printer off.
- 2 Unplug the printer power cord.
- 3 Disconnect all cables from the back of the printer.
- 4 Locate the access cover on the back of the printer.
- 5 Remove the four access cover screws as shown.



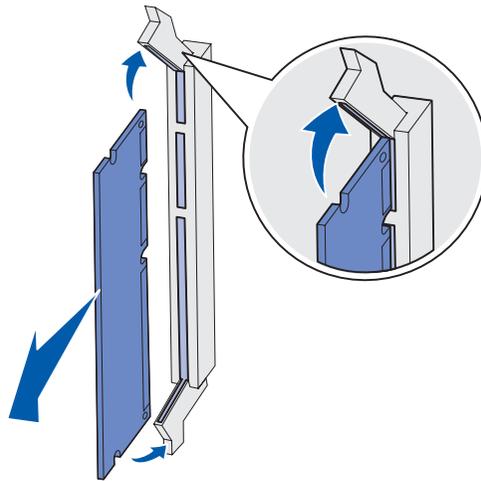
- 6 Remove the access cover.

## Removing memory cards

Complete the following steps to remove printer memory or flash memory cards.

**Warning:** Printer memory and flash memory cards are easily damaged by static electricity. Touch something metal on the printer before you touch a memory card.

- 1 Remove the system board access cover. See [Accessing the printer system board](#).
- 2 Locate the memory card you want to remove.
- 3 Push the latches on both ends of the connector away from the card.
- 4 Pull the card straight out of the connector.



- 5 Place the card in its original packaging, or wrap the card in paper and store it in a box.
- 6 Reinstall the system board access cover. See [Reinstalling the system board access cover](#).

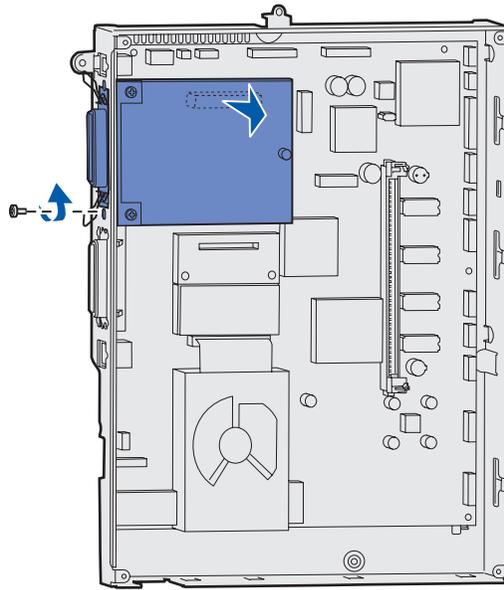
## Removing an option card

Complete the following steps to remove an internal print server, Coax/Twinax Adapter, Parallel Interface Card, or Serial Interface Card.

**Warning:** Option cards are easily damaged by static electricity. Touch something metal on the printer before you touch an option card.

- 1 Remove the system board access cover. See [Accessing the printer system board](#).
- 2 Locate the option card.

- 3 Remove the screw that secures the card to the system board connector slot.

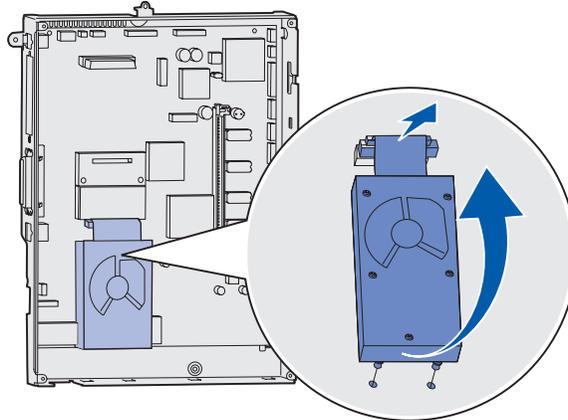


- 4 Gently pull the card out of the connector.
- 5 If you saved the metal plate that covers the connector slot and you do not plan to insert another card, attach the plate:
  - a Slide the clip side of the plate in first, making sure the clip end covers the groove on the system board.
  - b Use the screw to secure the other end of the metal plate to the system board.
- 6 Place the card in its original packaging, or wrap the card in paper and store it in a box.
- 7 Replace the system board access cover. See [Reinstalling the system board access cover](#).

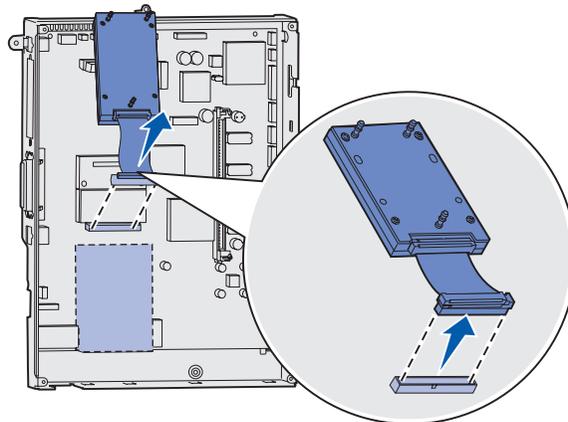
## Removing a hard disk

**Warning:** Hard disks are easily damaged by static electricity. Touch something metal on the printer before you touch a disk.

- 1 Remove the system board access cover. See [Accessing the printer system board](#).
- 2 Locate the hard disk.
- 3 Gently pull the three posts on the hard disk mounting plate out of the holes on the system board.



- 4 Gently pull the ribbon cable connector out of the connector on the system board.

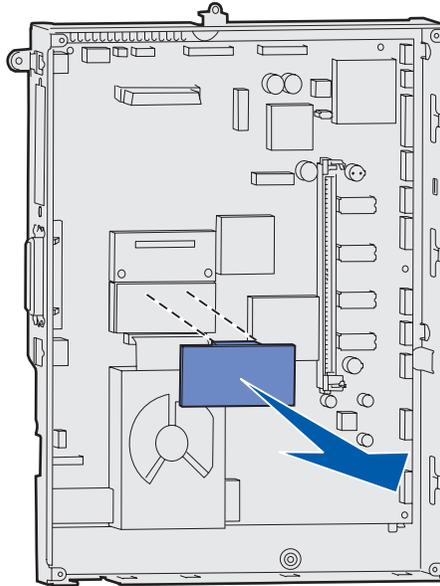


- 5 Place the disk in its original packaging, or wrap the disk in paper and store it in a box.
- 6 Replace the system board access cover. See [Reinstalling the system board access cover](#).

## Removing a firmware card

**Warning:** Optional firmware cards are easily damaged by static electricity. Touch something metal on the printer before you touch an optional firmware card.

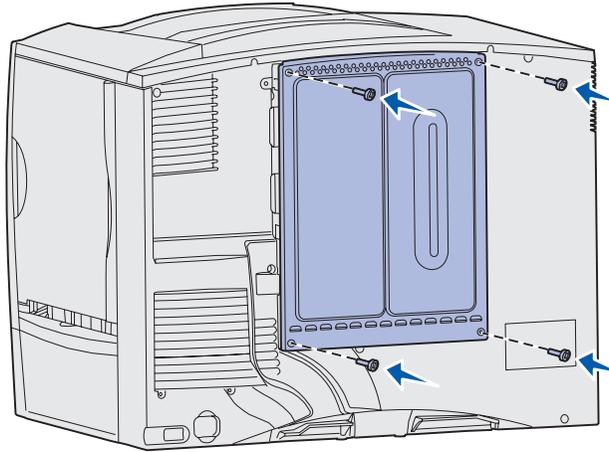
- 1 Remove the system board access cover. See [Accessing the printer system board](#).
- 2 Grasp the firmware card gently and pull it straight out in one motion. Do not pull one side and then the other.



- 3 Place the card in its original packaging, or wrap the card in paper and store it in a box.
- 4 Replace the system board access cover. See [Reinstalling the system board access cover](#).

## ***Reinstalling the system board access cover***

- 1** Align the slots at the top of the access cover with the screws near the top of the printer.
- 2** Slide the cover up under the top cover lip as far as it will go, and then tighten the screws at the top of the cover.
- 3** Insert and tighten the four screws to the bottom of the cover.



- 4** Reconnect all cables on the back of the printer.
- 5** Plug in the printer power cord.
- 6** Turn the printer on.

# 9 Troubleshooting

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## *User Guide resources*

Troubleshooting information can be found in this chapter, and can also be found in the chapters on **Using printer menus**, **Understanding printer messages**, and **Clearing paper jams**.

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## *Online Technical Support*

Technical support is available on our Lexmark Web site at [www.lexmark.com](http://www.lexmark.com).

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## *Calling for service*

When you call for printer service, describe the problem you are experiencing, the message on the display, and the troubleshooting steps you have already taken to find a solution.

You need to know your printer model type and serial number. Refer to the label on the back of the printer near the power cord for this information.

**Note:** The serial number is also listed on the menu settings page you can print from the Utilities Menu. See **Printing a menu settings page** for more information.

For service in the U.S. or Canada, call 1-800-Lexmark (1-800-539-6275). For other countries/regions, refer to the numbers listed on the drivers CD.

**Note:** When calling for service, call from the location of the printer.

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## *Checking an unresponsive printer*

Sometimes printer problems are very easy to solve. If your printer is not responding, first make sure:

- The power cord is plugged into the printer and a properly grounded electrical outlet.
- The electrical outlet is not turned off by any switch or breaker.
- The printer is not plugged into any surge protectors, uninterruptible power supplies, or extension cords.
- Other electrical equipment plugged into the outlet is working.
- The printer is turned on.
- The printer cable is securely attached to the printer and the host computer, print server, option, or other network device.

Once you have checked each of these possibilities, turn the printer off and back on. This often fixes the problem.

---

## ***Printing a menu settings page***

Print the menu settings page to review the printer settings and to verify that printer options are installed correctly.

**Note:** See [Understanding the printer operator panel](#) to identify the display and operator panel buttons if you need help.

- 1 Make sure the printer is on and the **Ready** message appears.
- 2 Press **Menu** until you see **Utilities Menu**, and then press **Select**.
- 3 Press **Menu** until you see **Print Menus**, and then press **Select** to print the page.

The message **Printing Menus** is displayed.

**Note:** If any other message appears when you print this page, see [Understanding printer messages](#) for more information.

- 4 Verify that the options you installed are correctly listed under “Installed Features.”  
If an option you installed is not listed, turn the printer off, unplug the power cord, and reinstall the option.
- 5 Verify the amount of memory installed is correctly listed under “Printer Information.”
- 6 Verify that the paper trays are configured for the sizes and types of paper you loaded.

---

## ***Changing menu settings***

You can use the operator panel to change printer menu settings and customize your printer to meet your specific needs.

**Note:** Changes to specific print jobs made from a software application override the settings made from the operator panel.

See the [menu map](#) for a list of the menus and their menu items.

To select a new value:

- 1 Press **Menu** until you see the menu you need, and then press **Select**.

The menu opens and the first menu item in the menu appears on the second line of the display.

- 2 Press **Menu** until you see the menu item you need, and then press **Select**.

An asterisk (\*) appears beside the current default setting for that menu item.

A value can be:

- An On or Off setting.
- A phrase or word that describes a setting.
- A numerical value that you can increase or decrease.

When you press **Select**, an asterisk (\*) appears beside the new value to indicate that it is now the default setting. The **saved** message appears, then the previous list of menu items appears on the display.

**Note:** Some menu items have submenus. For example, if you select Paper Menu, and then select the Paper Type menu item, you must select another menu (such as Tray 1 Type) before the available values appear.

- 3 Press **Return** to go back to previous menus or menu items and set new default settings.
- 4 Press **Go** to return to the **Ready** message if this is the last printer setting you want to change.

**Note:** User default settings remain in effect until you save new settings or restore the factory defaults.

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## **Disabling Power Saver**

Disabling **Power Saver** in the **Setup Menu** helps keep your printer ready to print without delays.

- 1 Press **Menu** until you see **Setup Menu**, and then press **Select**.
- 2 Press **Menu** until you see **Power Saver**, and then press **Select**.
- 3 Press **Menu** until you see **Disabled**, and then press **Select**.

If the Disabled value is not available, first change the Energy Conserve setting to Off in the Config Menu:

- 1 Turn the printer off.
- 2 Press and hold the **Select** and **Return** buttons, and then turn the printer on.
- 3 Release the buttons when **Performing Self Test** appears on the display.

When the printer self test is done, **Config Menu** is displayed.

- 4 Press **Menu** until you see **Energy Conserve**, and then press **Select**.
- 5 Press **Menu** until you see **off**, and then press **Select**.

**Energy Conserve SAVED** briefly appears, and then **Config Menu** is displayed.

- 6 Press **Menu** until you see **Exit Config Menu**, and then press **Select**.

**Activating Menu Changes** briefly appears, followed by **Performing Self Test**. The printer returns to the **Ready** message.

Now you can select the Disabled value from the Power Saver menu item.

**Note:** You can also disable Power Saver by issuing a Printer Job Language (PJL) command. For more information, refer to the *Technical Reference* available on our Lexmark Web site at [www.lexmark.com](http://www.lexmark.com).

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## ***Disabling the operator panel menus***

A network administrator can lock the printer menus to keep others from changing default menu settings from the operator panel.

To disable the menus:

- 1 Turn the printer off.
- 2 Press and hold the **Select** and **Return** buttons, and then turn the printer on.
- 3 Release the buttons when **Performing Self Test** appears on the display.

When the printer self test completes, **Config Menu** appears.

- 4 Press **Menu** until you see **Panel Menus**, and then press **Select**.
- 5 Press **Menu** until you see **Disable**, and then press **Select**.

**saved** briefly appears, followed by **Disabling Menus**. **Config Menu** appears again with **Panel Menus** on the second line.

- 6 Press **Menu** until you see **Exit Config Menu**, and then press **Select**.

**Activating Menu Changes** briefly appears, followed by **Performing Self Test**. The printer returns to the **Ready** message.

**Note:** Once this procedure is completed, if the **Menu** button is pressed when the printer displays the **Ready** status message, the message **Menus Disabled** appears. If the printer is holding a confidential job or held job (Reserve Print, Repeat Print, or Verify Print), you can still access these jobs through the Job Menu.

---

## ***Enabling the menus***

To enable the menus, repeat the steps in **Disabling the operator panel menus**. However, in **step 5 on page 119**, select **Enable** instead of **Disable**. After you press **Select**, **Enabling Menus** is displayed.

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## ***Printing multi-language PDFs***

| <b>Symptom</b>  | <b>Cause</b>                             | <b>Solution</b>   |
|---|--|---|
| <b>Some maintenance and troubleshooting documents do not print.</b> | The documents contain unavailable fonts. | <ol style="list-style-type: none"><li>1 Open the document you want to print in Adobe Acrobat.</li><li>2 Click the printer icon.<br/>The Print dialog box appears.</li><li>3 Check the <b>Print as image</b> box.</li><li>4 Click <b>OK</b>.</li></ol> |

## Solving printing problems

| Symptom   | Cause  | Solution   |
|---|--|--|
| <b>The operator panel display is blank or displays only diamonds.</b> | The printer self test failed.  | Turn the printer off, wait about 10 seconds, and turn the printer back on.<br><b>Performing Self Test</b> appears on the display. When the test is completed, the <b>Ready</b> message is displayed.<br>If the messages do not appear, turn the printer off and call for service.  |
| <b>Jobs do not print.</b>   | The printer is not ready to receive data.  | Make sure <b>Ready</b> or <b>Power Saver</b> appears on the display before sending a job to print. Press <b>Go</b> to return the printer to the Ready state.   |
|   | The specified output bin is full.  | Remove the stack of paper from the output bin, and then press <b>Go</b> .  |
|   | The specified tray is empty.   | Load paper in the tray.<br>See <b>Loading the trays</b> for detailed instructions.   |
|   | You are using the wrong printer driver or are printing to a file.                | <ul style="list-style-type: none"> <li>Verify that you selected the printer driver associated with the Lexmark C760, C762.</li> <li>If you are using a USB port, make sure you are running Windows 98/Me, Windows 2000, Windows XP, or Windows Server 2003 and using a Windows 98/Me, Windows 2000, Windows XP, or Windows Server 2003 compatible printer driver.</li> </ul>     |
|   | Your MarkNet™ print server is not set up properly or is not connected properly.  | Verify that you have properly configured the printer for network printing.<br>Refer to the drivers CD or to our Lexmark Web site for information.  |
|   | You are using the wrong interface cable, or the cable is not securely connected. | Make sure you are using a recommended interface cable.<br>Refer to the <i>Setup Guide</i> for cable specifications.  |
| <b>Held jobs do not print.</b>  | A formatting error has occurred.   | <ul style="list-style-type: none"> <li>Print the job. (Only part of the job may print.)</li> <li>Delete the job.</li> </ul>  |
|   | The printer has insufficient memory.   | <ul style="list-style-type: none"> <li>Free up additional printer memory by scrolling through the list of held jobs and deleting others you have sent to the printer.</li> </ul>   |
|   | The printer has received invalid data.   | Delete the job.  |
| <b>Job takes longer than expected to print.</b>                       | The job is too complex.  | Reduce the complexity of your print job by eliminating the number and size of fonts, the number and complexity of images, and the number of pages in the job.  |
|   | Page Protect is set to On.   | Set <b>Page Protect</b> to Off from the <b>Setup Menu</b> .<br><ol style="list-style-type: none"> <li>Press <b>Menu</b> until you see <b>Setup Menu</b>, and then press <b>Select</b>.</li> <li>Press <b>Menu</b> until you see <b>Page Protect</b>, and then press <b>Select</b>.</li> <li>Press <b>Menu</b> until you see <b>off</b>, and then press <b>Select</b>.</li> </ol> |

| Symptom   | Cause   | Solution  |
|---|---|---|
| <b>Job prints from the wrong tray or on the wrong paper or specialty media.</b> | The operator panel menu settings do not match the media loaded in the tray. | Make sure the <b>Paper Size</b> and <b>Paper Type</b> specified on the operator panel and in the printer driver are correct for the job you are printing.   |
| <b>Incorrect characters print.</b>  | You are using an incompatible parallel cable.                               | If you are using a parallel interface, make sure you are using an IEEE 1284-compliant parallel cable. We recommend Lexmark part number 1329605 (10 ft) or 1427498 (20 ft) for the standard parallel port.   |
|   | The printer is in Hex Trace mode.   | If <b>Ready Hex</b> appears on the display, you must exit Hex Trace mode before you can print your job. Turn the printer off and back on to exit Hex Trace mode.  |
| <b>Tray linking does not work.</b>  | Tray linking is not configured properly.                                    | To configure the linked trays: <ul style="list-style-type: none"> <li>• Make sure the Tray x Type value in the <b>Paper Type</b> menu item in the <b>Paper Menu</b> is the same for all linked trays.</li> <li>• Make sure the Tray x Size value in the <b>Paper Size</b> menu item in the <b>Paper Menu</b> is the same for all linked trays.</li> </ul> |
| <b>Large jobs do not collate.</b>   | Collate is not set to On.   | Set <b>Collation</b> to On in the <b>Finishing Menu</b> or through the printer driver.<br><b>Note:</b> Setting <b>Collation</b> to Off in the driver overrides the setting in the <b>Finishing Menu</b> .   |
|   | The job is too complex.   | Reduce the complexity of the print job by eliminating the number and size of fonts, the number and complexity of images, and the number of pages in the job.  |
|   | The printer does not have enough memory.                                    | Add printer memory or an optional hard disk.<br>Refer to the <i>Setup Guide</i> for information on selecting memory options to install.   |
| <b>Unexpected page breaks occur.</b>  | The job has timed out.  | Set <b>Print Timeout</b> to a higher value from the <b>Setup Menu</b> .   |

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## ***Solving mailbox problems***

| Symptom  | Cause                                       | Solution  |
|--|---|---|
| <b>Paper jams before reaching the mailbox.</b> | The mailbox and the printer are misaligned. | Realign the mailbox and the printer.<br>Refer to the <i>Setup Guide</i> for instructions.<br>See <b>Clearing mailbox or output expander jams (Area M)</b> for more information. |
|  | The mailbox is not connected properly.      | Check the electrical connection.<br>Refer to the <i>Setup Guide</i> for instructions on connecting the mailbox to the printer.  |

## Solving option problems

| Symptom  | Cause   | Solution  |
|--|---|---|
| <b>The option does not operate correctly after it is installed, or it stops working.</b> | The option is not installed correctly.                                  | Remove the option, and then reinstall it.   |
|  | Cables connecting the option to the printer are not attached correctly. | Check the cable connections.<br>Refer to the <i>Setup Guide</i> for instructions.   |
|  | The printer driver does not recognize that the option is installed.     | Your printer driver may not automatically recognize that an option is attached to your printer. Look at the driver settings and verify that all the printer configuration settings are correct. |

## Solving paper feed problems

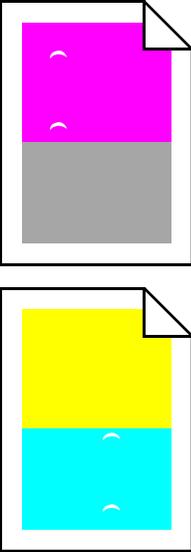
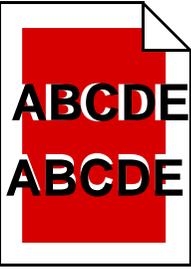
| Symptom   | Cause   | Solution  |
|---|---|---|
| <b>Paper frequently jams.</b>   | You are using paper that does not meet the printer specifications.  | Use recommended paper and other specialty media.<br>Refer to the <i>Card Stock &amp; Label Guide</i> available on our Lexmark Web site at <a href="http://www.lexmark.com">www.lexmark.com</a> for detailed specifications.<br>See <b>Clearing the entire paper path, Clearing fuser jams, Clearing image transfer unit jams, Clearing mailbox or output expander jams (Area M), or Paper and specialty media specifications</b> for more information.<br>See <b>Avoiding jams</b> for information that can help prevent jams from occurring. |
|   | You have loaded too much paper or too many envelopes.   | Make sure the stack of paper you load does not exceed the maximum stack height indicated at the front of the tray or on the multipurpose feeder.<br>See <b>Loading the trays</b> or <b>Loading the multipurpose feeder</b> for more information.  |
|   | Guides in the selected tray are not set to the appropriate position for the size paper loaded.                                    | Move the guides in the tray to the correct position.<br>See <b>Loading the trays</b> for detailed instructions.   |
|   | The paper has absorbed moisture due to high humidity.   | Load paper from a fresh package.<br>Store paper in its original wrapper until you load it.<br>See <b>Storing paper</b> for more information.  |
| <b>The Paper Jam message remains after you remove the jammed paper.</b> | You have not cleared the entire paper path, or you did not open the door specified by the message to check for jams in this area. | Clear paper from the entire paper path, open the door indicated by the operator panel message, clear the jam, and close the door. The printer resumes printing.<br>See <b>Clearing image transfer unit jams, Clearing fuser jams, Clearing the entire paper path, or Clearing mailbox or output expander jams (Area M)</b> for more information.  |

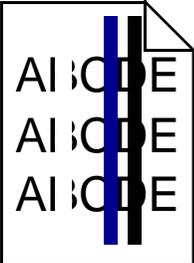
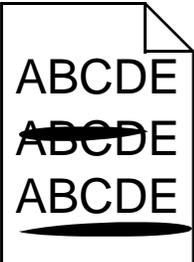
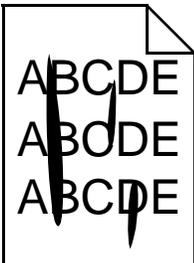
| Symptom  | Cause   | Solution   |
|--|---|--|
| The page that jammed does not reprint after you clear the jam. | Jam Recovery in the Setup Menu is set to Off.                     | Set <b>Jam Recovery</b> to Auto or On.   |
| Blank pages feed into the output bin.                          | An incorrect media type is loaded in the tray being printed from. | Load the correct type media for your print job or change the Paper Type on the operator panel to match the type of media loaded. |

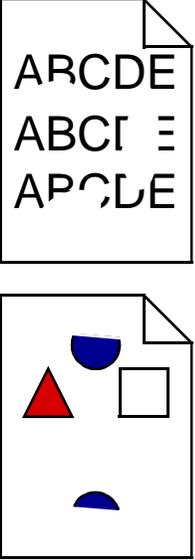
## Solving print quality problems

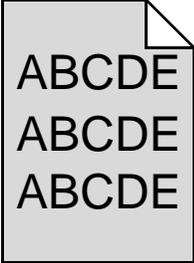
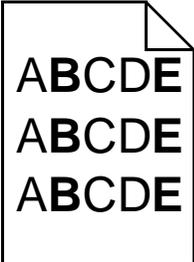
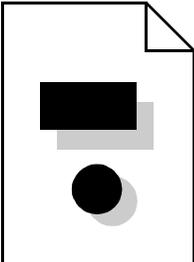
You can solve many print quality problems by replacing a supply or maintenance item that has reached the end of its intended life. Check the operator panel for a message about a printer consumable. See **Determining the status of supplies** for information about other ways to identify consumables that need to be replaced.

Use the following table to find solutions to print quality problems.

| Symptom   | Cause  | Solution  |
|---|--|---|
| <b>Repeating defects</b><br>      | Either the print cartridges are defective, the image transfer unit and transfer roller are defective, or the fuser is defective. | <p><b>Marks occur repeatedly only in one color and multiple times on a page:</b></p> <ul style="list-style-type: none"> <li>Replace the cartridge if the defects occur every:               <ul style="list-style-type: none"> <li>– 48 mm (1.9 in.)</li> <li>– 97 mm (3.8 in.)</li> </ul> </li> </ul> <p><b>Marks occur down the page repeatedly in all colors:</b></p> <ul style="list-style-type: none"> <li>Replace the transfer roll if the defects occur every 60 mm (2.4 in.)</li> <li>Check the first transfer bellcranks and springs or replace the image transfer unit if the defects occur every 101 mm (4 in.)</li> <li>Replace the fuser if the defects occur every 148 mm (5.8 in.)</li> </ul> <p><b>Marks occur on every third or sixth page in any color:</b></p> <p>Replace the image transfer unit.</p> |
| <b>Color misregistration</b><br> | Color has shifted outside of the appropriate area or has been superimposed over another color area.                              | <ol style="list-style-type: none"> <li>1 Re-seat the cartridges by removing them from the printer and then reinserting them.</li> <li>2 If you still have the problem, refer to the Color Alignment section under the Utilities Menu.</li> </ol> <p>See also <b>Aligning the image transfer unit</b></p>  |

| Symptom   | Cause   | Solution  |
|---|---|---|
| <p><b>White or colored line</b></p>      | <p>Either the print cartridges are defective, the image transfer unit and transfer roller are defective, or the fuser is defective.</p>       | <ol style="list-style-type: none"> <li>1 Replace the color print cartridge causing the line.</li> <li>2 If you still have the problem, replace the image transfer unit and transfer roller.</li> <li>3 If you still have the problem, replace the fuser.</li> </ol> |
| <p><b>Streaked horizontal lines</b></p>  | <p>The print cartridges, the transfer roller, image transfer unit, or fuser may be defective, empty, or worn.</p>                             | <p>Replace the print cartridge, the transfer roller, the image transfer unit, or fuser as needed.</p>   |
| <p><b>Streaked vertical lines</b></p>  | <ul style="list-style-type: none"> <li>• Toner is smeared before fusing to the paper.</li> <li>• The print cartridge is defective.</li> </ul> | <ul style="list-style-type: none"> <li>• If paper is stiff, try feeding from another tray.</li> <li>• Replace the color print cartridge causing the streaks.</li> </ul>   |

| Symptom   | Cause   | Solution   |
|---|---|--|
| <p><b>Print irregularities</b></p>   | <ul style="list-style-type: none"> <li>• Paper has absorbed moisture due to high humidity.</li> <li>• You are using paper that does not meet the printer specifications.</li> <li>• The image transfer unit and transfer roller are worn or defective.</li> <li>• The fuser is worn or defective.</li> </ul>                | <ul style="list-style-type: none"> <li>• Load paper from a fresh package in the paper tray.</li> <li>• Avoid textured paper with rough finishes.</li> <li>• Make sure the printer paper type, paper texture, and paper weight settings match the type of paper you are using.</li> <li>• Replace the image transfer unit and transfer roller.</li> <li>• Replace the fuser.</li> </ul>   |
| <p><b>Print too light</b></p>   | <ul style="list-style-type: none"> <li>• The Toner Darkness setting is too light.</li> <li>• You are using paper that does not meet the printer specifications.</li> <li>• The print cartridges are low on toner.</li> <li>• The print cartridges are defective or have been installed in more than one printer.</li> </ul> | <ul style="list-style-type: none"> <li>• Select a different Toner Darkness setting from the printer driver before sending the job to print.</li> <li>• Perform a Color Adjust in the Utilities Menu.</li> <li>• Load paper from a new package.</li> <li>• Avoid textured paper with rough finishes.</li> <li>• Make sure the paper you load in the trays is not damp.</li> <li>• Make sure the printer paper type, paper texture, and paper weight settings match the type of paper you are using.</li> <li>• Replace the print cartridges.</li> </ul> |
| <p><b>Print too dark</b></p>  | <ul style="list-style-type: none"> <li>• The Toner Darkness setting is too dark.</li> <li>• The print cartridges are defective.</li> </ul>  | <ul style="list-style-type: none"> <li>• Select a different Toner Darkness setting from the printer driver before sending the job to print.</li> <li>• Replace the print cartridges.</li> </ul>  |
| <p><b>Transparency print quality is poor</b><br/>(Print has inappropriate light or dark spots, toner is smeared, horizontal or vertical light bands appear, or color does not project.)</p> | <ul style="list-style-type: none"> <li>• You are using transparencies that do not meet the printer specifications.</li> <li>• The Paper Type setting for the tray you are using is set to something other than transparency.</li> </ul>   | <ul style="list-style-type: none"> <li>• Use only transparencies recommended by the printer's manufacturer.</li> <li>• Make sure the Paper Type setting is set to Transparency.</li> </ul>   |
| <p><b>Toner specks</b></p>  | <ul style="list-style-type: none"> <li>• The print cartridges are defective.</li> <li>• The transfer roller is worn or defective.</li> <li>• The image transfer unit is worn or defective.</li> <li>• The fuser is worn or defective.</li> <li>• Toner is in the paper path.</li> </ul>                                     | <ul style="list-style-type: none"> <li>• Replace the print cartridges.</li> <li>• Replace the transfer roller.</li> <li>• Replace the image transfer unit.</li> <li>• Replace the fuser.</li> <li>• Call for service.</li> </ul>   |

| Symptom   | Cause   | Solution   |
|---|---|--|
| <p><b>Toner rubs off the paper easily when you handle the sheets.</b></p>   | <ul style="list-style-type: none"> <li>• The Type setting is wrong for the type of paper or specialty media you are using.</li> <li>• The Texture setting is wrong for the type of paper or specialty media you are using.</li> <li>• The Weight setting is wrong for the type of paper or specialty media you are using.</li> <li>• The fuser is worn or defective.</li> </ul> | <ul style="list-style-type: none"> <li>• Change Paper Type to match the paper or specialty media you are using.</li> <li>• Change Paper Texture from Normal to Smooth or Rough.</li> <li>• Change Paper Weight from Plain to CardStock (or other appropriate weight).</li> <li>• Replace the fuser.</li> </ul> |
| <p><b>Gray background</b></p>        | <ul style="list-style-type: none"> <li>• The Toner Darkness setting is too dark.</li> <li>• The print cartridges are defective.</li> </ul>  | <ul style="list-style-type: none"> <li>• Select a different Toner Darkness setting from the printer driver before sending the job to print.</li> <li>• Replace the print cartridges.</li> </ul>  |
| <p><b>Uneven print density</b></p>  | <ul style="list-style-type: none"> <li>• The print cartridges are defective.</li> <li>• The transfer roller is worn or defective.</li> <li>• The image transfer unit is worn or defective.</li> </ul>   | <ul style="list-style-type: none"> <li>• Replace the print cartridges.</li> <li>• Replace the transfer roller.</li> <li>• Replace the image transfer unit.</li> </ul>  |
| <p><b>Ghost Images</b></p>         | <p>Toner level is low in the print cartridges.</p>  | <p>Replace the print cartridges.</p>   |
| <p><b>Clipped images</b><br/>(Some of the print is cut off on the sides, top, or bottom of the paper.)</p>            | <p>Guides in the selected tray are set for a different size paper than what is loaded in the tray.</p>  | <p>Move the guides in the tray to the proper positions for the size loaded.</p>  |

| Symptom   | Cause  | Solution   |
|---|--|--|
| <b>Incorrect margins</b>  | <ul style="list-style-type: none"> <li>Guides in the selected tray are set for a different size paper than what is loaded in the tray.</li> <li>Auto size sensing is set to <b>off</b>, but you loaded a different size paper in a tray. For example, you inserted A4 size paper into the selected tray but did not set the Paper Size to A4.</li> </ul> | <ul style="list-style-type: none"> <li>Move the guides in the tray to the proper positions for the size loaded.</li> <li>Set the Paper Size to match the media in the tray.</li> </ul>   |
| <b>Skewed print</b><br>(Print is inappropriately slanted.)      | <ul style="list-style-type: none"> <li>Guides in the selected tray are not in the correct position for the paper size loaded in the tray.</li> <li>You are using paper that does not meet the printer specifications.</li> </ul>   | <ul style="list-style-type: none"> <li>Move the guides in the tray to the proper positions for the size loaded.</li> <li>Refer to the <i>Card Stock &amp; Label Guide</i> available on our Lexmark Web site at <a href="http://www.lexmark.com">www.lexmark.com</a> for detailed specifications.</li> <li>See <b>Paper and specialty media specifications</b></li> </ul> |
| <b>Blank pages</b>  | <ul style="list-style-type: none"> <li>The print cartridges are defective or empty.</li> </ul>   | <ul style="list-style-type: none"> <li>Replace the print cartridges.</li> </ul>  |
| <b>Solid color pages</b>  | <ul style="list-style-type: none"> <li>The print cartridges are defective.</li> <li>Your printer requires servicing.</li> </ul>  | <ul style="list-style-type: none"> <li>Replace the print cartridges.</li> <li>Call for service.</li> </ul>   |
| <b>The paper curls badly once it prints and exits to a bin.</b> | <ul style="list-style-type: none"> <li>The Type, Texture, and Weight settings are not appropriate for the type of paper or specialty media you are using.</li> <li>The paper has been stored in a high humidity environment.</li> </ul>  | <ul style="list-style-type: none"> <li>Change Paper Type, Paper Texture, and Paper Weight to match the paper or specialty media loaded in the printer.</li> <li>Load paper from a fresh package.</li> <li>Store paper in its original wrapper until you use it.</li> <li>See <b>Storing paper</b></li> </ul>   |

---

## ***Solving color quality problems***

This section helps answer some basic color-related questions and describes how some of the features provided in the Color Menu can be used to solve typical color problems.

**Note:** You should also read “Solving print quality problems” on page 124, which provides solutions for common print quality problems, some of which may affect the color quality of the printed output.

### ***Frequently asked questions (FAQ) about color printing***

#### **What is RGB color?**

Red, green, and blue light can be added together in various amounts to produce a large range of colors observed in nature. For example, red and green light can be combined to create yellow light. Televisions and computer monitors create colors in this manner. RGB color is a method of describing colors by indicating the amount of red, green, and blue light needed to reproduce a particular color.

## **What is CMYK color?**

Cyan, magenta, yellow, and black inks or toners can be printed in various amounts to produce a large range of colors observed in nature. For example, cyan and yellow can be combined to create green. Printing presses, inkjet printers, and color laser printers create colors in this manner. CMYK color is a method of describing colors by indicating the amount of cyan, magenta, yellow, and black needed to reproduce a particular color.

## **How is color specified in a document to be printed?**

Software applications typically specify document color using RGB or CMYK color combinations. Additionally, they commonly let users modify the color of each object in a document. Since the procedures to modify colors vary depending on the application, refer to the software application's Help section for instruction.

## **How does the printer know what color to print?**

When a user prints a document, information describing the type and color of each object in the document is sent to the printer. The color information is passed through color conversion tables that translate the color into appropriate amounts of cyan, magenta, yellow, and black toner needed to produce the desired color. The object type information lets different color conversion tables be used for different types of objects. For example, it is possible to apply one type of color conversion table to text while applying a different color conversion table to photographic images.

## **Should I use the PostScript or PCL driver for the best color? What driver settings should I use for the best color?**

The PostScript driver is strongly recommended for best color quality. The default settings in the PostScript driver provide preferred color quality for the majority of printouts.

## **Why doesn't the printed color match the color I see on my computer screen?**

The color conversion tables used in Auto **Color Correction** mode generally approximate the colors of a standard computer monitor. However, because of technology differences that exist between printers and monitors there are many colors that can be generated on a computer screen that cannot be physically reproduced on a color laser printer. Color match can also be affected by monitor variations and lighting conditions. Read the response to the question "**How can I match a particular color (such as a color in a corporate logo)?**" on page 130 for recommendations on how the printer's Color Samples pages may be useful in solving certain color matching problems.

## **The printed page appears tinted. Can I slightly adjust the color?**

Sometimes a user may consider printed pages to appear tinted (for example, everything printed seems to be too red). This can be caused by environmental conditions, paper type, lighting conditions, or simply user preference. In these instances, **Color Balance** may be used to create more preferable color. Color Balance provides the user with the ability to make subtle adjustments to the amount of toner being used in each color plane. Selecting positive (or negative) values for cyan, magenta, yellow, and black under the Color Balance menu will slightly increase (or decrease) the amount of toner used for the chosen color. For example, if a user believes the overall printed page to be too red, then decreases to both magenta and yellow could potentially improve color preference.

## **Is it possible to increase the gloss in the printed output?**

Obtain additional gloss by printing using the 1200 dpi **Print Resolution** setting.

## **My color transparencies seem dark when projected. Is there anything I can do to improve the color?**

This problem most commonly occurs when projecting transparencies with reflective overhead projectors. To obtain the highest projected color quality, transmissive overhead projectors are recommended. If a reflective projector must be used, then adjusting **Toner Darkness** settings to 1, 2, or 3 will lighten the transparency.

## **What is Manual Color Correction?**

The color conversion tables applied to each object on the printed page when using the default Auto **Color Correction** setting generate preferred color for the majority of documents. Occasionally a user may want to apply a different color table mapping. This customization is accomplished using the Manual Color menu and the Manual Color Correction setting.

Manual Color Correction applies the RGB and CMYK color conversion table mappings as defined in the Manual Color menu. Users may select any of four different color conversion tables available for RGB objects (sRGB Display, sRGB Vivid, Vivid, and Off) and any of four different color conversion tables available for CMYK objects (US CMYK, Euro CMYK, Vivid CMYK, and Off).

**Note:** The Manual Color Correction setting is not useful if the software application does not specify colors with RGB or CMYK combinations, or in certain situations where the software application or the computer's operating system adjusts the colors specified in the application through color management.

## **How can I match a particular color (such as a color in a corporate logo)?**

Occasionally users have a need for the printed color of a particular object to closely match a specific color of interest. A typical example of this is when a user is trying to match the color of a corporate logo. While instances can occur in which the printer cannot exactly reproduce the desired color, users should be able to identify adequate color matches for the majority of cases. The **Color Samples** menu items can provide useful information in helping to solve this particular type of color matching problem.

The eight Color Samples options correspond to color conversion tables in the printer. Selecting any of the Color Samples options will generate a multi-page printout consisting of hundreds of colored boxes. Either a CMYK or RGB combination will be located on each box depending upon the table selected. The observed color of each box is obtained by passing the CMYK or RGB combination labeled on the box through the selected color conversion table.

The user can scan the color samples pages and identify the box whose color is the closest to the desired color. The color combination labeled on the box can then be used for modifying the color of the object in a software application. The software application's Help section should provide instructions for modifying an object's color. Manual **Color Correction** may be necessary to utilize the selected color conversion table for the particular object.

Which Color Samples pages to use for a particular color matching problem depends on the Color Correction setting being used (Auto, Off, or Manual), the type of object being printed (text, graphics, or images), and how the color of the object is specified in the software application (RGB or CMYK combinations). The following table identifies which Color Samples pages to use:

| Color specification of object being printed  | Classification of object being printed | Printer Color Correction setting | Color Samples pages to print and use for color matching |
|--|--|----------------------------------|---|
| RGB  | Text                                   | Auto                             | sRGB Vivid  |
|  |  | Off                              | Off - RGB   |
|  |  | Manual                           | sRGB Vivid*, Vivid, sRGB Display, Off                   |
|  | Graphic                                | Auto                             | sRGB Vivid  |
|  |  | Off                              | Off - RGB   |
|  |  | Manual                           | sRGB Vivid*, Vivid, sRGB Display, Off                   |
|  | Image                                  | Auto                             | sRGB Display  |
|  |  | Off                              | Off - RGB   |
|  |  | Manual                           | sRGB Vivid, Vivid, sRGB Display*, Off                   |
| CMYK   | Text                                   | Auto                             | US CMYK   |
|  |  | Off                              | Off - CMYK  |
|  |  | Manual                           | US CYMK*, Vivid CMYK, Off, Euro CMYK*                   |
|  | Graphic                                | Auto                             | US CMYK   |
|  |  | Off                              | Off - CMYK  |
|  |  | Manual                           | US CYMK*, Vivid CMYK, Off, Euro CMYK*                   |
|  | Image                                  | Auto                             | US CMYK   |
|  |  | Off                              | Off - CMYK  |
|  |  | Manual                           | US CYMK*, Vivid CMYK, Off, Euro CMYK*                   |
| * the default Manual setting   |  |                                  |   |
| <b>Note:</b> The default values for the Manual CMYK classifications are US CMYK for 100V and 110V machines, Euro CMYK for 220V machines. |  |                                  |   |

**Note:** The Color Samples pages are not useful if the software application does not specify colors with RGB or CMYK combinations. Additionally, certain situations exist where the software application or the computer's operating system will adjust the RGB or CMYK combinations specified in the application through color management. The resulting printed color may not be an exact match of the Color Samples pages.

---

## Restoring factory default settings

- 1 Make sure the printer is on and the **Ready** message appears.
- 2 Press **Menu** until you see **Utilities Menu**, and then press **Select**.
- 3 Press **Menu** until you see **Factory Defaults**, and then press **Select**.
- 4 When **Restore** appears, press **Select**. The message **Restoring Factory Defaults** appears, followed by the **Ready** message.

When you select **Restore**:

- No other button actions are available on the operator panel while **Restoring Factory Defaults** appears.
- All downloaded resources (fonts, macros, and symbol sets) in printer memory (RAM) are deleted. (Resources residing in flash memory or on the optional hard disk are unaffected.)
- All menu settings are returned to the factory default values, except:
  - The operator panel Display Language setting in the Setup Menu.
  - All settings in the Parallel Menu, Serial Menu, Network Menu, and USB Menu.

If you need more information about changing menu settings or selecting new user default settings, see [Changing menu settings](#).

---

## Aligning the image transfer unit

For best print quality, make sure you align the image transfer unit after replacement or if colors print too lightly.

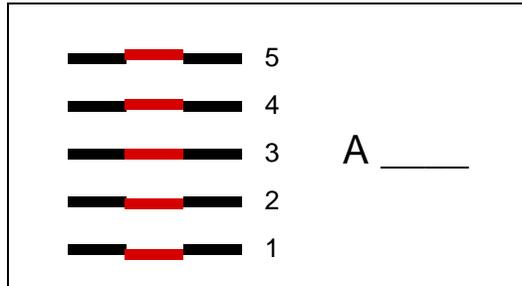
To align the image transfer unit:

- 1 Make sure the printer is on and the **Ready** message appears.
- 2 Press **Menu** until you see **Utilities Menu**, and then press **Select**.
- 3 Press **Menu** until you see **Color Alignment**, and then press **Select**.

Several test pages print.

- 4 For each alignment group on the test pages, locate the number next to the alignment pattern that comes closest to forming a perfectly straight line.

For example, in this sample group, pattern 3 comes closest to forming a straight line.



It is helpful to write all twelve alignment values in the lines provided on the test pages before going on to step 5. You must select a value for all twelve settings.

- 5 When you see **A=10** (or other number), press **Menu** until you find the number value you want to use, and then press **Select**. A **saved** message briefly appears and then the next test alignment is displayed.

If no changes are necessary, press **Return** to return to the Utilities Menu.

- 6 After you have completed all twelve settings, **Utilities Menu** appears. Press **Go**.

The printer returns to the Ready state.

---

## Using the Coverage Estimator

The Coverage Estimator provides you with an estimate of the percent coverage of cyan, magenta, yellow, and black toner on a page. These estimates are printed on the page.

To turn on the Coverage Estimator utility:

- 1** Make sure the printer is on and the **Ready** message appears.
- 2** Press **Menu** until you see **Utilities Menu**, and then press **Select**.
- 3** Press **Menu** until you see **Coverage Estimator**, and then press **Select**.
- 4** Press **Menu** until you see **On**, and then press **Select**.
- 5** Press **Go** to return to the **Ready** message.

The utility can be turned off from the operator panel or by turning the printer off.

The Coverage Estimator utilizes an algorithm that counts pixels for each toner color: black, cyan, magenta, and yellow. Once the utility is turned on, the printer prints the percent coverage for each color on each page of the job.

The Coverage Estimator is only intended to estimate the coverage on a given page. For all toner colors that are used, the minimum percentage that prints is 2 percent. Reported values may vary from printer to printer. The accuracy of the estimates may be affected by how full the print cartridges are, environmental conditions, the media type, the software application, software settings, the driver, driver settings, and the content of the page. *Lexmark makes no claim as to the accuracy of the estimated percents.*

---

## Configuring printer alerts

You can configure the printer several ways to let you know when it requires attention.

### Using the Setup Menu

| Menu item            | Function   | Value      | Result   |
|----------------------|--|------------|--|
| <b>Alarm Control</b> | Lets you establish whether the printer sounds an alarm when it requires operator intervention. | Off        | The alarm does not sound, but printing stops until the interventions are cleared.*     |
|                      |  | Single     | The printer stops printing, displays a message, and activates the selected alarm type. |
|                      |  | Continuous |  |
| <b>Toner Alarm</b>   | Lets you choose how the printer responds when toner is low.                                    | Off        | The printer displays a message and continues printing.                                 |
|                      |  | Single     | The printer stops printing, displays a message, and activates the selected alarm type. |
|                      |  | Continuous |  |

\* If multiple attendance conditions are pending, the alarm only sounds when the first message is displayed. No additional alarms sound as subsequent attendance conditions arise.

Selecting **Auto Continue** may affect how the printer alerts execute. This setting defines how long the printer waits after displaying a message before it resumes printing.

### Using MarkVision Professional

MarkVision™ Professional, Lexmark's network printer management utility, indicates when it is time to replace supplies and points out actual or potential problems. When a printer needs attention, it alerts the network administrator with a detailed graphic of the printer showing the cause for the alert (for example, an empty paper tray). For more information about MarkVision Professional, refer to the drivers CD that shipped with your printer.

### Using MarkVision Messenger

MarkVision Messenger lets you create Actions that execute specific commands whenever messages like **Tray x Missing** or **88 Toner Low** appear on the display. For example, you can create an Action that sends an e-mail to the administrator when the printer runs out of paper.

Actions can be set up to occur automatically, as well as conditionally or repeatedly. For more information about MarkVision Messenger, refer to the drivers CD that shipped with your printer.

---

## Size sensing

The Size Sensing menu item lets you disable or enable auto size sensing on trays. Size Sensing also lets the printer detect the difference between similar paper sizes that it otherwise cannot.

Size sensing is on by default for all the trays. However, the trays cannot automatically sense transparencies.

### Disabling size sensing

- 1 Turn the printer off.
- 2 Press and hold the **Select** and **Return** buttons, and then turn the printer on.
- 3 Release the buttons when **Performing Self Test** appears on the display.

When the printer self test completes, **Config Menu** appears.

- 4 Press **Menu** until you see **Size Sensing**, and then press **Select**.

**Note:** Only paper trays that support auto size sensing are displayed on the operator panel.

- 5 Press **Menu** until you see **Tray <x> Sensing**, where <x> represents the number of the tray for which you want to disable size sensing, and then press **Select**.

Repeat for other trays, if necessary.

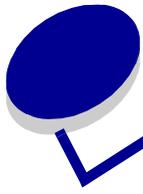
- 6 Press **Menu** until you see **Off**, and then press **Select**.

**saved** briefly appears. **Config Menu** appears again with **Size Sensing** on the second line.

- 7 Press **Return**.

- 8 Press **Menu** until you see **Exit Config Menu**, and then press **Select**.

**Activating Menu Changes** briefly appears, followed by **Performing Self Test**. The printer returns to the **Ready** message.



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