# LEXMARK™

# Lexmark C750

**User's Reference**
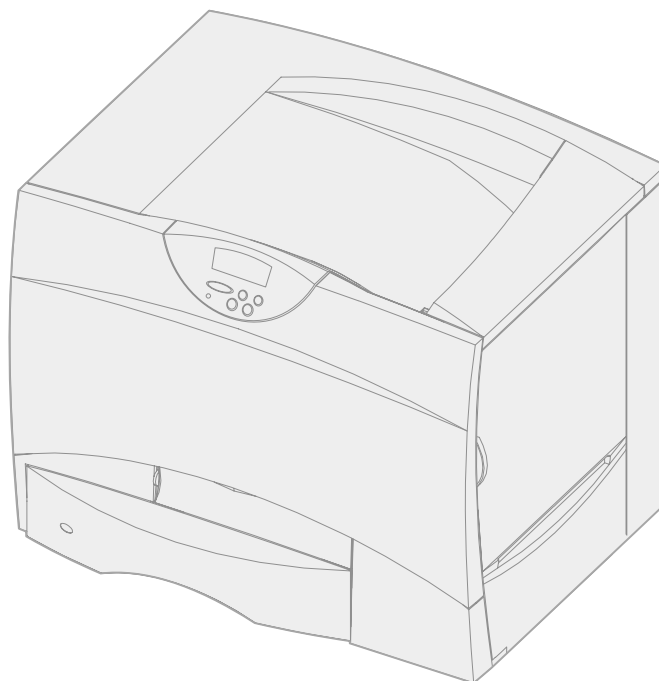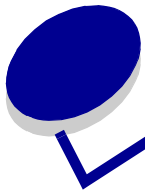
**August 2001**

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# 1 Printer overview

The following illustration shows the Lexmark™ C750 printer.

Standard output bin

Front door

Standard tray

Upper right access door (redrive area)

Lower right access door (fuser area)
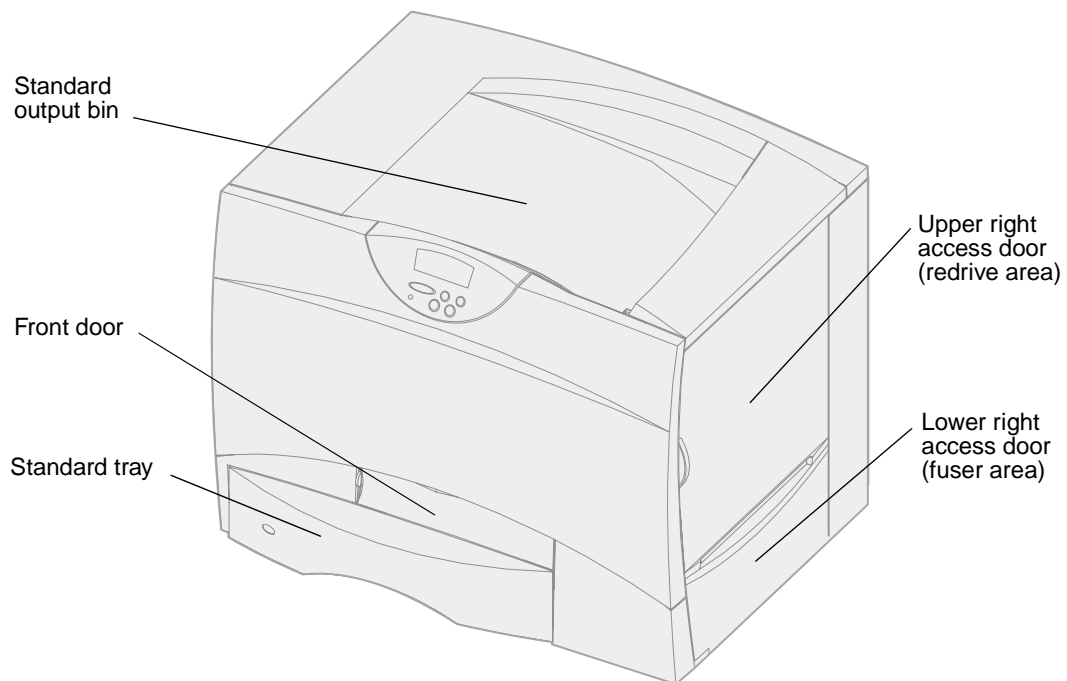
The following illustration shows the printer configured with a duplex unit and three optional 500-sheet drawers.

Duplex unit
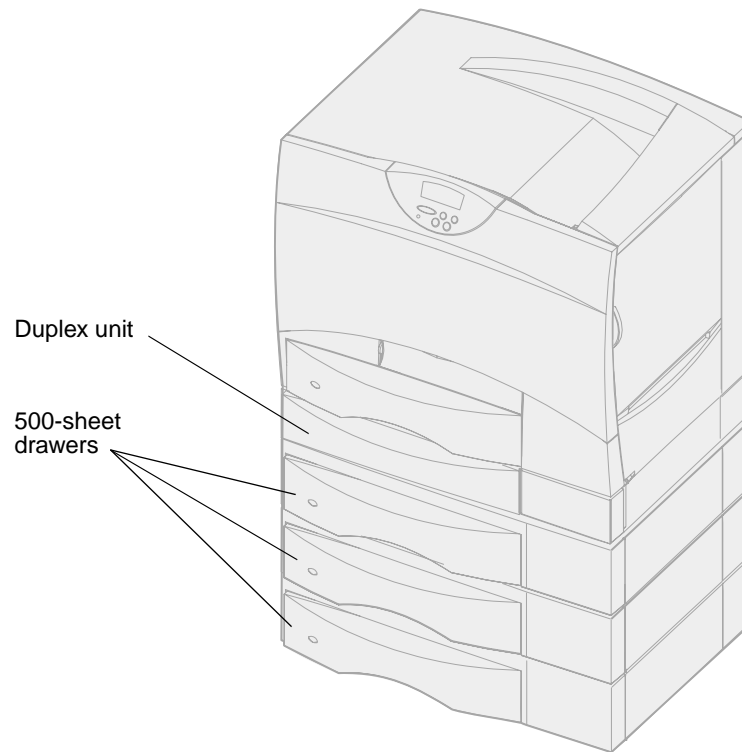
500-sheet drawers

The following illustration shows the printer configured with a duplex unit, one optional 500-sheet drawer, and one optional 2000-sheet drawer.

Duplex unit

500-sheet drawer

2000-sheet drawer
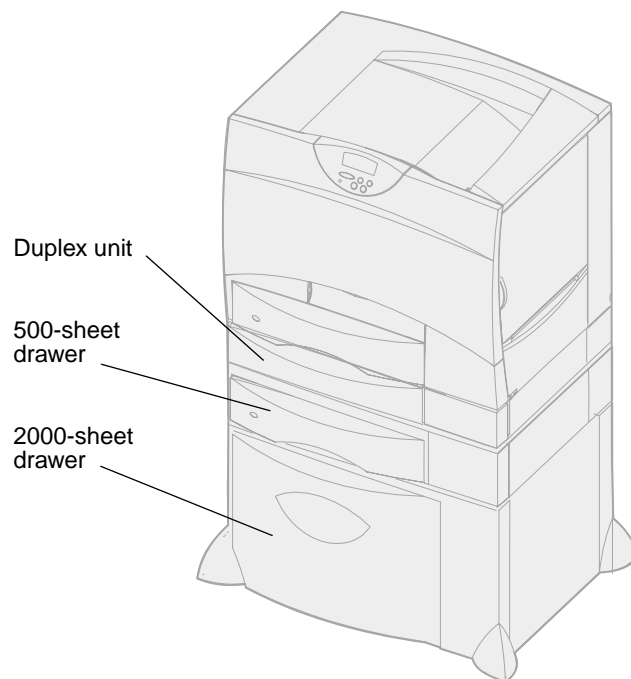
# 2 Understanding the printer operator panel

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.



Display
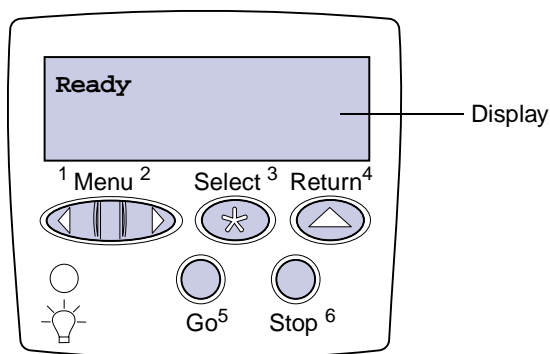
## Operator panel buttons

| Button | Function |
|--------|----------|
| **Go** | Press **Go** to:<br>• Return to the Ready state if the printer is offline (the `Ready` message does not appear on the display).<br>• Exit printer menus and return to the Ready state.<br>• Clear some operator panel messages.<br>• Resume printing after loading paper or clearing paper jams.<br>• Exit Power Saver.<br><br>If you have changed printer settings from the operator panel menus, press **Go** before sending a job to print. The printer must display `Ready` for jobs to print. |
| **Menu** | Press **Menu** to:<br>• Take the printer offline (out of the Ready state) and enter the menus. When the printer is offline, press **Menu** to scroll through the menus and menu items.<br>• List the menu items in the Job Menu (during Busy state).<br><br>For menu items that have numerical values, such as Copies, press and hold **Menu** to scroll through the list of values. Release the button when the number you want appears.<br><br>If you see a `Menus Disabled` 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 to select the settings you want for your job. |

| Button | Function |
|---|---|
| **Select** | Press **Select** to:<br><br>• Open the menu shown on the second line of the display.<br>• Save the displayed menu item as the new user default setting.<br>• Clear certain messages from the display.<br>• Continue printing after the `Change <x>` message appears. See **Change <x>** for more information. |
| **Return** | Press **Return** to go back to the previous menu level or menu item. |
| **Stop** | Press **Stop** at the `Ready`, `Busy`, or `Waiting` message to temporarily take the printer offline. The message changes to `Not Ready`. No data is lost.<br><br>Press **Go** to return the printer to the Ready, Busy, or Waiting state. |
| **1, 2, 3, 4, 5, 6** | 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.

# 3 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.

# 4 Canceling a print job

## Cancel a 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**.

## Cancel a job 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.

## Cancel a job 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.

# *Cancel a job 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.

# **5** 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). | **Toner Darkness** |
| Paper and specialty media | Multipage Print in the Finishing Menu | Prints two or more page images on one side of a sheet.<br><br>Values for Multipage Print are 2 Up, 3 Up, 4 Up, 6 Up, 9 Up, 12 Up, and 16 Up.<br><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). | **Multipage Print** |
| | Duplex in the Finishing Menu | Available when you attach an optional duplex unit. | **Duplex** |
| Paper and specialty media | Use your software application or printer driver to send a Verify Print job.<br><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 cancel the job. | **Verify Print**<br><br>**Canceling a print job**<br><br>**Holding a job in the printer** |

# 6 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 16MB available printer memory. We recommend a minimum of 32MB available printer memory and a hard disk.

To learn more about this function, click a topic:

- **Printing and deleting held jobs**

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

- **Recognizing when format errors occur**

- **Repeating print jobs at a later time**

- **Verifying print jobs**

- **Printing confidential jobs**

- **Reserving print jobs**

## *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 the Menu button 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.
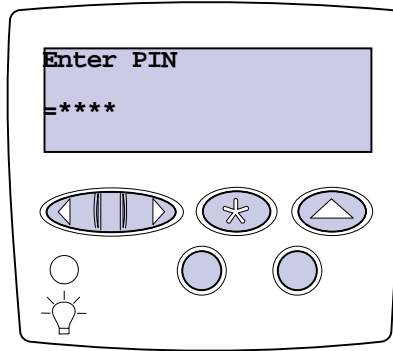


If you enter an invalid PIN, the message `No Jobs Found. Retry?` appears. Press **Go** to reenter the PIN, or press **Stop** to exit the Confidential Job menu.

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.

# 7 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[1], Statement[1], Universal[2,3] | Paper, transparencies, labels, card stock | 500 sheets of 20 lb paper<br>400 transparencies<br>250 sheets of labels or card stock[4] |
| 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[1], Statement[1], Universal[2,3] | Paper, transparencies, labels, card stock | 100 sheets of 20 lb paper<br>85 transparencies<br>85 sheets of labels or card stock |
| | 7¾, 9, 10, DL, C5, B5, other[2] | Envelopes | 10 envelopes |
| [1]Supported as selected paper with tray size sensing turned off in the appropriate trays. | | | |
| [2]When selected, the page is formatted for 215.9 x 355.6 mm (8.5 x 14 in.) unless otherwise specified. | | | |
| [3]Load narrow media with the length in the feed direction (portrait). | | | |
| [4]If you print large quantities of labels or other glossy print media, replace the fuser housing with a web oiler field upgrade kit (P/N 12G6307 for a 115 V printer, P/N 12G6308 for a 220 V printer). | | | |

For more details about the types of paper and specialty media your printer supports, refer to the *Card Stock & Label Guide* available on Lexmark's Web site at www.lexmark.com.

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# 8 Loading the trays

## *Loading the 500-sheet trays*

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

**1** Remove the tray.
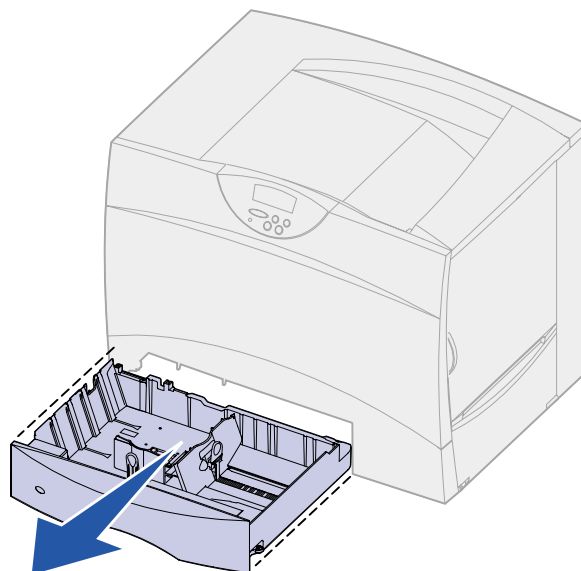
**2** Squeeze the front guide lever and slide the guide to the front of the tray.
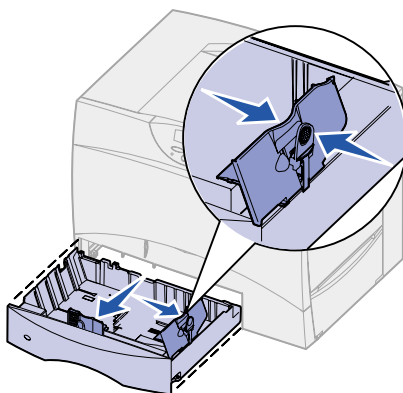
**3** Squeeze the side guide lever and slide the guide to the correct position for the size paper you are loading.

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.
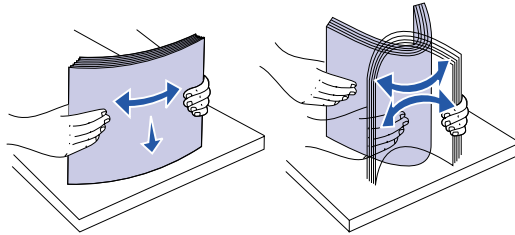
**5** Place the paper against the back left corner of the tray, print side down.

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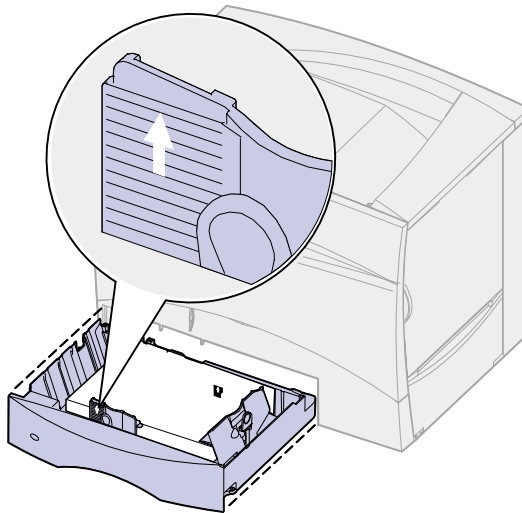
**Note:** Do not exceed the maximum stack height. Overfilling the tray may cause jams.

**6** Squeeze the front guide lever and slide the guide until it lightly touches the stack of paper.
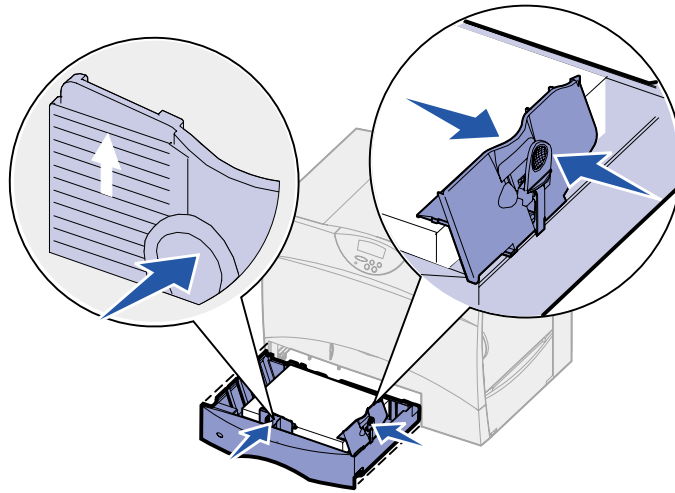
**7** Reinstall the tray.

Make sure the tray is pushed completely into the printer.

## *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.
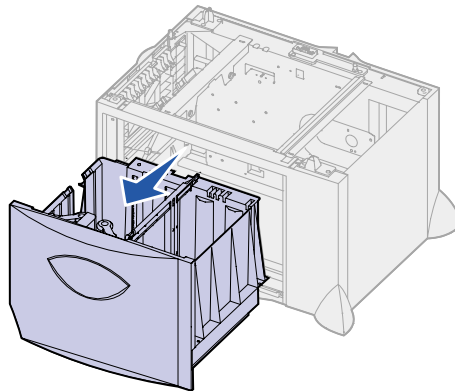
**2** Squeeze the side guide lever, lift the guide, and place it into the appropriate slot for the size paper you are loading.
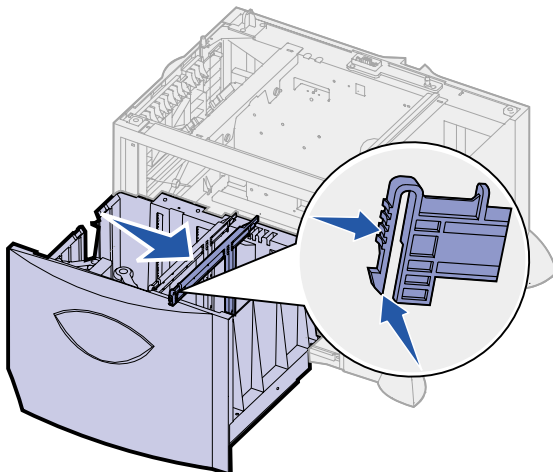


**3** Squeeze the two front guide levers and slide the guide to the correct position for the size paper you are loading.
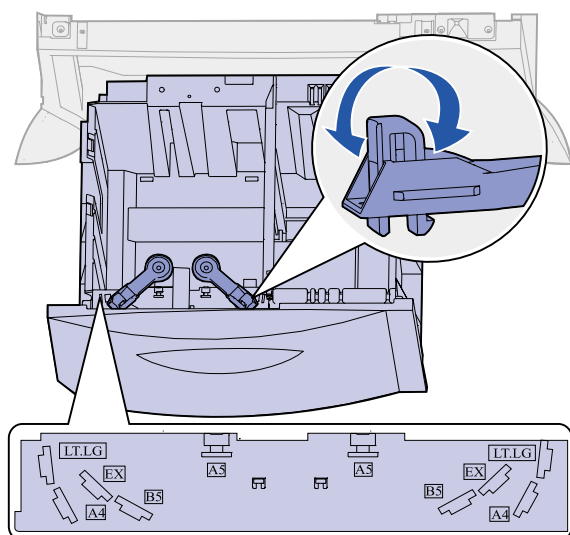


**4** Slide the bottom support toward the front of the tray until it touches the front guide.
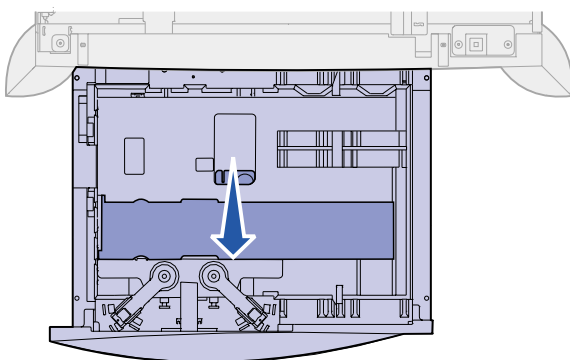
**5** Flex the sheets back and forth to loosen them, and then fan them.

Do not fold or crease the paper. Straighten the edges of the stack on a level surface.
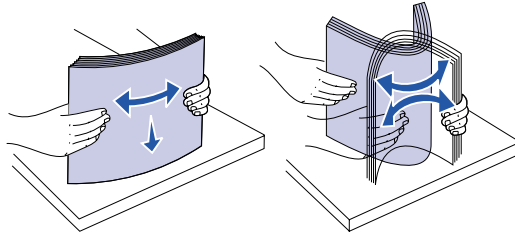
**6** Place the paper against the back left corner of the tray, print side down.

Do not load bent or wrinkled print media.
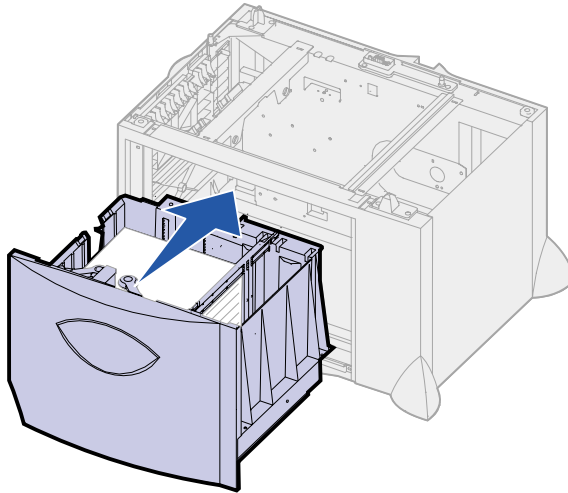
**7** Close the tray.

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.

# 9 Loading the multipurpose feeder

You can use the multipurpose feeder one of two ways:

- **Paper tray**—As a paper tray, you can load print 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.

Follow these instructions to load the multipurpose feeder.

**1** Open the multipurpose feeder.
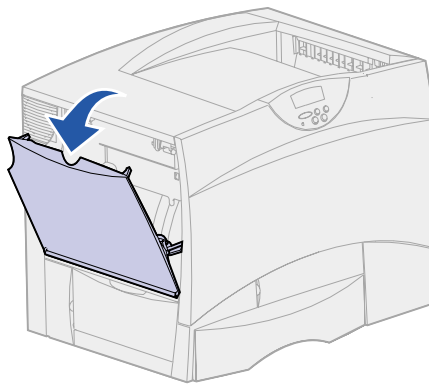


**2** Squeeze the paper guide lever and slide the guide all the way toward the front of the printer.
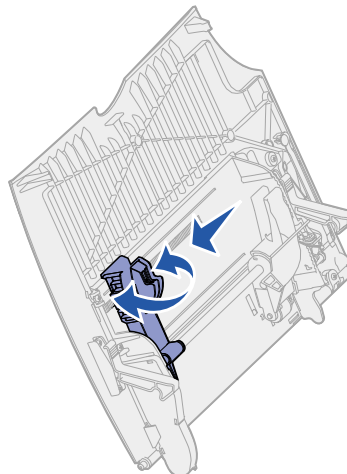
**3** Flex the sheets back and forth to loosen them, and then fan them.

Do not fold or crease the print media. Straighten the edges of the stack on a level surface.
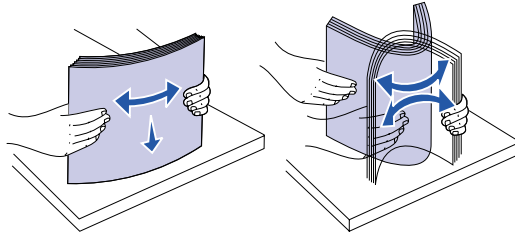
**4** Arrange the stack of print media correctly for the size, type, and print method you are using.
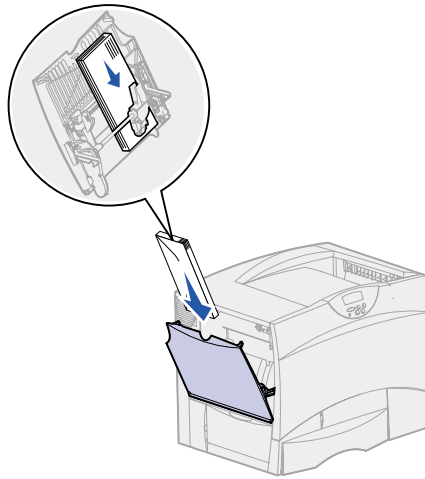
**5** Place the print media, print side up, along the left side of the multipurpose feeder, and then push it in as far as it will go.

Do not force the print 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.
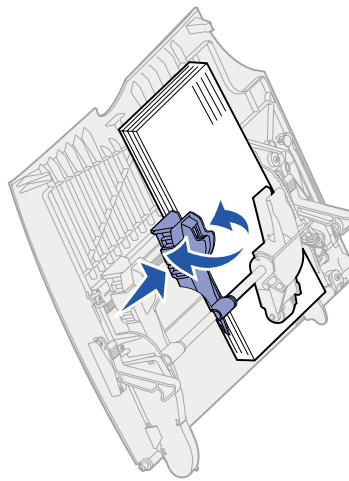
# 10 Linking trays

- 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** to a unique value in each one of the trays.

  **Note:** To link trays loaded with Executive, Legal, JIS B4, or JIS B5 size paper, see **Size Sensing**.

# 11 Linking 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 |
| --- | --- |
| **Mailbox** | 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. |
| **Link** | Links all available bins so that when one bin becomes full, the printer sends jobs to the next linked bin. |
| **Mail Overflow\*** | Sends jobs automatically to a preassigned overflow bin when the current bin becomes full. |
| **Type Assignment** | 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**.

# 12 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.

## *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 the 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 Lexmark's Web site at **www.lexmark.com** for more information about which paper provides optimum results for your printing environment.

- 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.

- 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 load paper in a tray while a job is printing. Wait for a `Load Tray <x>` message before you remove the tray from the printer.

  You may remove another tray and load it so long as the print job is not selecting the paper from it.

- 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* for alignment instructions.

- Make sure all cables that connect the duplex unit, high capacity feeder, finisher, or mailbox 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 paper path** for more information.

# **13** 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.
- 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.

# 14 Understanding jam messages

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

Multipurpose feeder
**250 Paper Jam**

Left access door (beside tray 1)
**200 Paper Jam**

500-sheet drawer
**24x Paper Jam**

2000-sheet drawer
**24x Paper Jam**

Front access
door
**201 Paper
Jam**

Standard tray
(Tray 1)
**200 Paper
Jam**

Duplex
mechanism
**230 Paper Jam**

500-sheet tray
**24x Paper Jam**

2000-sheet tray
**24x Paper Jam**

Mailbox
**27x Paper Jam**

Upper right access door
(redrive area)
**201 Paper Jam**
**202 Paper Jam**

Lower right access door
(fuser area)
**201 Paper Jam**
**202 Paper Jam**

Duplex tray
**230 Paper Jam**

## *Paper jam messages*

| Message | What to do... |
|---------|---------------|
| **200 Paper Jam**<br>(tray 1) | Follow the instructions for **Clearing the paper path**. |
| **201 Paper Jam**<br>(fuser area) | Follow the instructions for **Clearing the paper path**.<br>If the jam message persists, paper may be caught in the fuser. See **Clearing fuser jams**for instructions. |
| **202 Paper Jam**<br>(fuser area) | |
| **230 Paper Jam**<br>(duplex area) | Follow the instructions for **Clearing the paper path**. |
| **24x Paper Jam**<br>(trays 2–4) | |
| **250 Paper Jam**<br>(multipurpose feeder) | |
| **27x Paper Jam**<br>(mailbox and output expander) | Follow the instructions for clearing the entire paper path.<br>If the jam message persists, paper may be caught in the mailbox or output expander. See **Clearing mailbox jams**for instructions. |
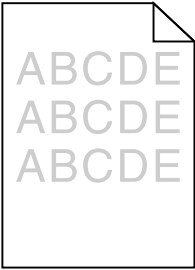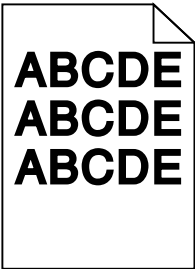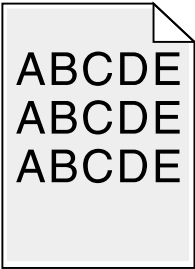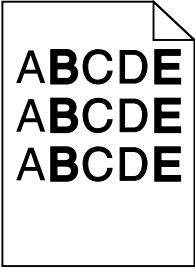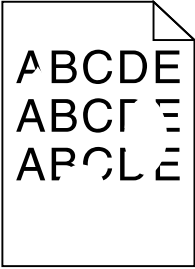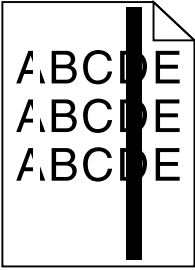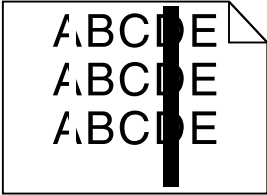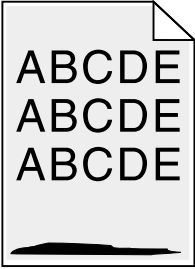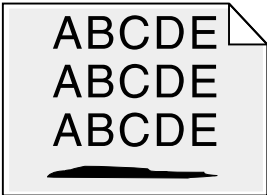
# 15 Solving print quality problems
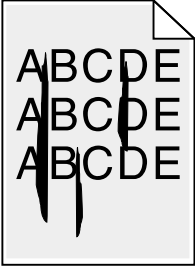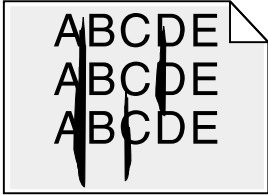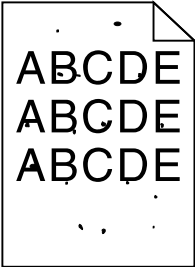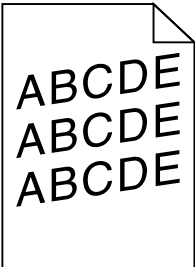
You can solve many print quality problems by replacing a supply or maintenance item that has reached the end of its intended life. Check the operator panel for a message about a printer consumable. See **Determining the status of supplies** for information about other ways to identify consumables that need to be replaced.
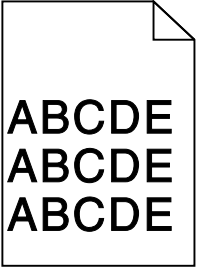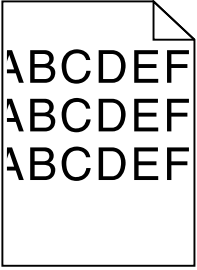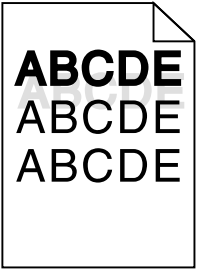
Use the following table to find solutions to print quality problems.

| Symptom | Cause | Solution |
|---|---|---|
| **Blank pages** | • The print cartridges are defective or empty.<br>• The transfer roller is defective.<br>• The image transfer unit is defective. | • Replace the print cartridges. See **Replacing print cartridges**.<br>• Replace the transfer roller. See **Replace the image transfer unit and transfer roller**.<br>• Replace the image transfer unit. See **Replace the image transfer unit and transfer roller**. |
| **Black pages** | • The print cartridges are defective.<br>• Your printer requires servicing. | • Replace the print cartridges. See **Replacing print cartridges**.<br>• Call for service. |

| Symptom | Cause | Solution |
|---|---|---|
| **Print too light**<br><br>ABCDE<br>ABCDE<br>ABCDE | • The Toner Darkness setting is too light.<br>• You are using paper that does not meet the printer specifications.<br>• The print cartridges are low on toner.<br>• The print cartridges are defective or have been installed in more than one printer. | • Select a different Toner Darkness setting from the printer driver before sending the job to print.<br>• Perform a Color Adjust in the Utilities Menu. See **Utilities Menu**.<br>• Use recommended paper and other specialty media. Refer to the *Card Stock & Label Guide* available on Lexmark's Web site at www.lexmark.com for detailed specifications.<br>• Load paper from a new package.<br>• Avoid textured paper with rough finishes.<br>• Make sure the paper you load in the trays is not damp.<br>• Replace the print cartridges. See **Replacing print cartridges**. |
| **Print too dark**<br><br>**ABCDE**<br>**ABCDE**<br>**ABCDE** | • The Toner Darkness setting is too dark.<br>• The print cartridges are defective. | • Select a different Toner Darkness setting from the printer driver before sending the job to print.<br>• Replace the print cartridges. See **Replacing print cartridges**. |
| **Gray background**<br><br>ABCDE<br>ABCDE<br>ABCDE | • The Toner Darkness setting is too dark.<br>• The print cartridges are defective. | • Select a different Toner Darkness setting from the printer driver before sending the job to print.<br>• Replace the print cartridges. See **Replacing print cartridges**. |
| **Uneven print density**<br><br>A**BCDE**<br>A**BCDE**<br>A**BCDE** | • The print cartridges are defective.<br>• The transfer roller is worn or defective.<br>• The image transfer unit is worn or defective. | • Replace the print cartridges. See **Replacing print cartridges**.<br>• Replace the transfer roller. See **Replace the image transfer unit and transfer roller**.<br>• Replace the image transfer unit. See **Replace the image transfer unit and transfer roller**. |

| Symptom | Cause | Solution |
|---|---|---|
| **Print irregularities** | • Paper has absorbed moisture due to high humidity.<br>• You are using paper that does not meet the printer specifications.<br>• The image transfer unit and transfer roller are worn or defective.<br>• The fuser is worn or defective. | • Load paper from a fresh package in the paper tray. For information on storing paper, see **Storing paper**.<br>• Use recommended paper and other specialty media. Avoid textured paper with rough finishes. Refer to the *Card Stock & Label Guide* available on Lexmark's Web site for detailed specifications.<br>• Replace the image transfer unit and transfer roller. See **Replace the image transfer unit and transfer roller**.<br>• Replace the fuser. See **Replacing the fuser**. |
| **White or black line** | • Either the print cartridges are defective, the image transfer unit and transfer roller are defective, or the fuser is defective. | **1** First, replace the print cartridges. See **Replacing print cartridges**.<br>**2** If you still have the problem, replace the image transfer unit and transfer roller. See **Replace the image transfer unit and transfer roller**.<br>**3** If you still have the problem, replace the fuser. See **Replacing the fuser**. |
| **Streaked horizontal lines** | • The print cartridges, the transfer roller, image transfer unit, or fuser may be defective, empty, or worn. | • Replace the print cartridges, the transfer roller, the image transfer unit, or fuser as needed. See **Replacing print cartridges**, **Replace the image transfer unit and transfer roller**, and **Replacing the fuser** for more information. |

| Symptom | Cause | Solution |
|---|---|---|
| **Streaked vertical lines** | • Toner is smeared before fusing to the paper. | • If paper is stiff, try feeding from another tray. |
| **Toner specks** | • The print cartridges are defective.<br>• The transfer roller is worn or defective.<br>• The image transfer unit is worn or defective.<br>• The fuser is worn or defective.<br>• Toner is in the paper path. | • Replace the print cartridges. See **Replacing print cartridges**.<br>• Replace the transfer roller. See **Replace the image transfer unit and transfer roller**.<br>• Replace the image transfer unit. See **Replace the image transfer unit and transfer roller**.<br>• Replace the fuser. See **Replacing the fuser**.<br>• Call for service. |
| **Toner rubs off the paper easily when you handle the sheets.** | • The Texture setting is wrong for the type of paper or specialty media you are using. | • Change **Paper Texture** from Normal to Smooth or Rough. |
| **Skewed print** | • Guides in the selected tray are not in the correct position for the paper size loaded in the tray. | • Move the guides in the tray to the proper positions for the size loaded. See **Loading the trays** for detailed instructions on adjusting the guides in each tray. |

| Symptom | Cause | Solution |
|---------|-------|----------|
| **Incorrect margins**<br><br>ABCDE<br>ABCDE<br>ABCDE | • Guides in the selected tray are set for a different size paper than what is loaded in the tray.<br>• Auto size sensing is set to **off**, 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. | • Move the guides in the tray to the proper positions for the size loaded. See **Loading the trays** for detailed instructions on adjusting the guides in each tray.<br>• Set the Paper Size to A4. |
| **Clipped images**<br><br>ABCDEF<br>ABCDEF<br>ABCDEF | • Guides in the selected tray are set for a different size paper than what is loaded in the tray. | • Move the guides in the tray to the proper positions for the size loaded. See **Loading the trays** for detailed instructions on adjusting the guides in each tray. |
| **Ghost images**<br><br>ABCDE<br>ABCDE<br>ABCDE | • Toner level is low in the print cartridges. | • Make sure the Paper Type setting is correct for the paper or specialty media you are using.<br>• Replace the print cartridges. See **Replacing print cartridges**. |
| **The paper curls badly once it prints and exits to a bin.** | • The Texture setting is wrong for the type of paper or specialty media you are using. | • Change **Paper Texture** from Rough to Normal or Smooth. |

# 16 Solving option problems

| Symptom | Cause | Solution |
|---------|-------|----------|
| **The option does not operate correctly after it is installed, or it stops working.** | 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. Refer to the *Setup Guide* 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. |
| **Cannot print using the infrared port on the optional Tri-Port Adapter.** | The infrared port is not configured properly. | • Make sure neither **Infrared Port** nor **Infrared Buffer** is set to Disabled in the **Infrared Menu**.<br>• Make sure the Window Size and Transmit Delay settings are correct. |

| Symptom | Cause | Solution |
|---|---|---|
| **Cannot print using the infrared port on the optional Tri-Port Adapter (continued).** | A connection between the two infrared devices cannot be made. | • Make sure the distance between the two infrared ports is 3 m (10 ft) or less. If necessary, move the ports closer together.<br>• Make sure no objects are between the two ports.<br>• Make sure the computer is set on a level surface.<br>• If necessary, turn off the lights in the room or close window shades or blinds. Bright light, such as direct sunshine or nearby artificial lights, may interfere with communication. |
| **Cannot print using the LocalTalk port.** | The LocalTalk port is not set up correctly. | • Make sure neither **LocalTalk Port** nor **LocalTalk Buffer** is set to Disabled in the **LocalTalk Menu**.<br>• Verify that the printer is set up correctly in the Macintosh Chooser.<br>• If two Tri-Port Adapters are installed, only one LocalTalk and one infrared port works. The Tri-Port Adapter installed in connector slot 1 is active. |

# 17 Solving mailbox problems

| Symptom | Cause | Solution |
|---|---|---|
| **Paper jams before reaching the mailbox.** | The mailbox and the printer are misaligned. | Realign the mailbox and the printer. <br> Refer to the *Setup Guide* for instructions. <br> See **Clearing mailbox jams** for more information. |
| | The mailbox cable is not connected properly. | Check the cable connection. <br> Refer to the *Setup Guide* for instructions on connecting the mailbox to the printer. |

# 18 Solving paper feed problems

| Symptom | Cause | Solution |
|---|---|---|
| **Paper frequently jams.** | You are using paper that does not meet the printer specifications. | Use recommended paper and other specialty media.<br><br>Refer to the *Card Stock & Label Guide* available on Lexmark's Web site at www.lexmark.com for detailed specifications.<br><br>See **Clearing the paper path**, **Clearing fuser jams**, **Clearing image transfer unit jams**, or **Clearing mailbox jams** for more information.<br><br>See **Avoiding jams** 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 back of the tray or on the multipurpose feeder. |
| **Paper frequently jams (continued).** | 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><br>See **Loading the trays** for detailed instructions. |
| | The paper has absorbed moisture due to high humidity. | Load paper from a fresh package.<br><br>Store paper in its original wrapper until you load it.<br><br>See **Storing paper** for more information. |
| **The `Paper Jam` message remains after you remove the jammed paper.** | 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><br>See **Clearing the paper path** for more information. |
| **The page that jammed does not reprint after you clear the jam.** | Jam Recovery in the Setup Menu is set to Off. | Set **Jam Recovery** to Auto or On. |

# 19 Solving printing problems

| Symptom | Cause | Solution |
|---------|-------|----------|
| **The operator panel display is blank or displays only diamonds.** | The printer self test failed. | Turn the printer off, wait about 10 seconds, and turn the printer back on. `Performing Self Test` appears on the display. When the test is completed, the `Ready` message is displayed. If the messages do not appear, turn the printer off and call for service. |
| **Jobs do not print.** | The printer is not ready to receive data. | Make sure `Ready` or `Power Saver` appears on the display before sending a job to print. Press `Go` 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 `Go`. |
| | The specified tray is empty. | Load paper in the tray. See **Loading the trays** for detailed instructions. |

| Symptom | Cause | Solution |
|---|---|---|
| **Jobs do not** print (continued). | You are using the wrong printer driver or are printing to a file. | • Verify that you selected the printer driver associated with the Lexmark C750.<br>• If you are using a USB port, make sure you are running Windows 98/Me or Windows 2000, and using a Windows 98/Me or Windows 2000 compatible printer driver. |
| | 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><br>Refer to the drivers CD or to Lexmark's 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><br>Refer to the *Setup Guide* for cable specifications. |
| **Held jobs do not print.** | A formatting error has occurred. | • Print the job. (Only part of the job may print.)<br>• Delete the job. |
| | The printer has insufficient memory. | • Free up additional printer memory by scrolling through the list of held jobs and deleting others you have sent to the printer. |
| | The printer has received invalid data. | Delete the job. |
| **Job takes longer than expected to print.** | 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 **Page Protect** to Off from the **Setup Menu**.<br><br>**1** Press **Menu** until you see Setup Menu, and then press **Select**.<br>**2** Press **Menu** until you see Page Protect, and then press **Select**.<br>**3** Press **Menu** until you see Off, and then press **Select**. |
| **Job prints from the wrong tray or on the wrong paper or specialty media.** | Printer driver settings are overriding the operator panel menu settings. | Make sure the **Paper Size** and **Paper Type** specified in the printer driver are correct for the job you are printing. |
| **Incorrect characters print.** | 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 **Ready Hex** 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. |
| **Tray linking does not work.** | Tray linking is not configured properly. | To configure the linked trays:<br><br>• Make sure the Tray x Type value in the **Paper Type** menu item in the **Paper Menu** is the same for all linked trays.<br>• Make sure the Tray x Size value in the **Paper Size** menu item in the **Paper Menu** is the same for all linked trays. |

| Symptom | Cause | Solution |
|---|---|---|
| **Large jobs do not collate.** | Collate is not set to On. | Set **Collation** to On in the **Finishing Menu** or through the printer driver. |
| | 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><br>Refer to the *Setup Guide* for information on selecting memory options to install. |
| **Unexpected page breaks occur.** | The job has timed out. | Set **Print Timeout** to a higher value from the **Setup Menu**. |

# 20 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, refer to the numbers listed on the drivers CD.

# 21 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 |
|-----------|----------|-------|--------|
| **Alarm Control** | 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 | |
| **Toner Alarm** | 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.

# 22 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.

# **23 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.

> **Note:** If you load both Executive and JIS B5 size paper, or Legal and JIS B4 size paper, load one size in the multipurpose feeder. Do not use two trays when you load these similar sizes of paper.

## *Enabling size sensing*

To instruct the printer to sense Executive or JIS B5:

**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**.

**5** Press **Menu** until you see Executive/B5. Make sure the one you want to select is on the second line of the display, and then press **Select**. The operator panel displays two choices: Sense Executive and Sense JIS B5.

**6** Press **Menu** until you see the size you want, 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.

## *Size sensing and tray linking*

If you want to link printer trays and have selected to load Executive or JIS B5 size paper, complete the steps beginning on **page 47** of this topic to specify the size you want the printer to sense. Then, if you load JIS B5 in trays 1 through 3, for example, those trays are linked. If one tray runs out of JIS B5, the printer automatically selects JIS B5 from another one of these trays. See **Linking trays** for more information.

# *Disabling size sensing*

To disable auto 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.

# 24 Ordering supplies and maintenance items

In the U.S. or Canada, call 1-800-438-2468 for information about Lexmark Authorized Supplies Dealers in your area. In other countries, contact the place where you bought your printer.

You can also visit the Lexmark online store at 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` or `ITU/Fuser Maint` message appears on the display, you should order a new fuser.

Use P/N 12G6301 to order a fuser for a 115 V printer. Use P/N 12G6302 to order a fuser for a 220 V printer. See **Replacing the fuser** for more information.

## Ordering an image transfer unit and transfer roller

When the `81 ITU Maintenance` or `ITU/Fuser Maint` message appears on the display, you should order a new image transfer unit and transfer roller.

Use P/N 12G6304 to order an image transfer unit. Use P/N 12G6303 to order a second transfer roller. See **Replace the image transfer unit and transfer roller** for more information.

## Ordering a maintenance kit

The maintenance kit includes a fuser, image transfer unit and transfer roller. Use P/N 13G6305 to order a maintenance kit for a 115 V printer. Use P/N 13G3606 to order a maintenance kit for a 220 V printer. See **Replacing the fuser** and **Replace the image transfer unit and transfer roller** for more information.

## 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.

Order the appropriate print cartridge:

| Part number | Type of print cartridge |
| --- | --- |
| 10B031K | Black print cartridge |
| 10B031Y | Yellow print cartridge |
| 10B031C | Cyan print cartridge |
| 10B031M | Magenta print cartridge |
| 10B032K | Black high yield print cartridge |
| 10B032Y | Yellow high yield print cartridge |
| 10B032C | Cyan high yield print cartridge |
| 10B032M | Magenta high yield print cartridge |
| 10B041K | Black *Pre*bate™ print cartridge |
| 10B041Y | Yellow *Pre*bate print cartridge |
| 10B041C | Cyan *Pre*bate print cartridge |
| 10B041M | Magenta *Pre*bate print cartridge |
| 10B042K | Black high yield *Pre*bate print cartridge |
| 10B042Y | Yellow high yield *Pre*bate print cartridge |
| 10B042C | Cyan high yield *Pre*bate print cartridge |
| 10B042M | Magenta high yield *Pre*bate print cartridge |

(See **Replacing print cartridges** for more information.)

# **25** Recycling used supplies

## *Recycling Lexmark products*

To return Lexmark products to Lexmark for recycling:

**1** Visit our Web site: **www.lexmark.com/recycle**

**2** Follow the instructions on the computer screen.

# 26 Other maintenance and troubleshooting documents

Consult the following table to determine the name of the PDF file associated with a particular maintenance or troubleshooting task. You can then share the file with other printer users by copying it to a shared drive or to an intranet site.

| Topic | Document size | File location |
|---|---|---|
| **Clearing fuser jams** | 22.75" x 8.5" sheet[1] | ...\Acrobat\English\**bjjamsref2_online.pdf** |
| **Clearing mailbox jams** | | |
| **Clearing the paper path** | | |
| **Replacing the fuser** | 11" x 17" sheet[2] | ...\Acrobat\English\**fuserasm_online.pdf** |
| **Replacing print cartridges** | | ...\Acrobat\English\**printcart_online.pdf** |
| **Replacing the toner waste container** | | ...\Acrobat\English\**tonwaste2_online.pdf** |
| **Replace the image transfer unit and transfer roller** | 7.5" x 9" booklet | ...\Acrobat\English\**replace_online.pdf** |
| [1]Check the Fit to page box in Acrobat and print on Legal size paper. <br> [2]Check the Fit to page box in Acrobat and print on Letter size paper. | | |

*52*

# 27 Clearing image transfer unit jams

**1** Turn the printer off. Open the front cover.
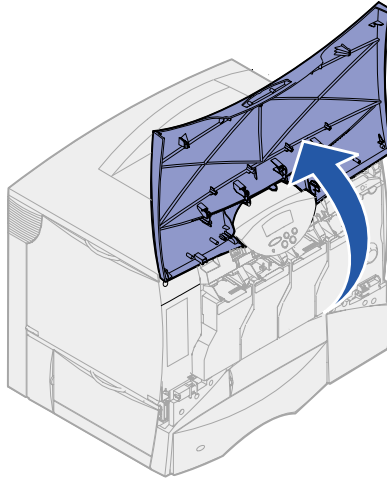
**2** Remove all the print cartridges.

    **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.
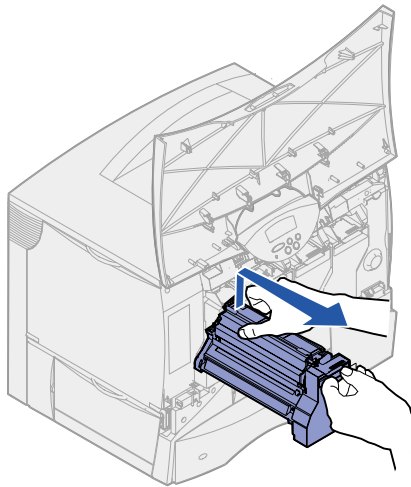
**3** Release the latches to open the multipurpose feeder all the way.
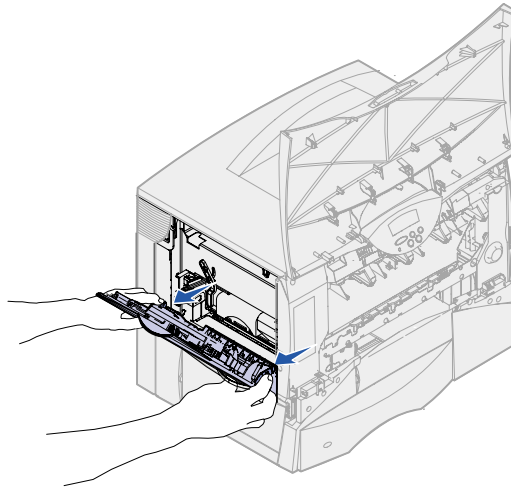
**4** Remove the image transfer unit.

    **a** Raise the lever to unlock the image transfer unit.
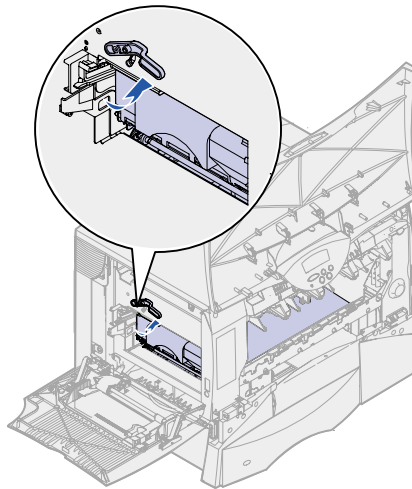
**b** Pull down on the handle.
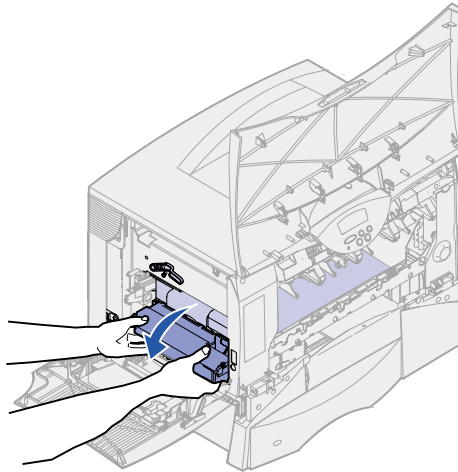
**c** Slide the image transfer unit out and place it on a clean, flat surface.

**WARNING:** Do not touch the transfer belt. Touching the belt will damage the image transfer unit.
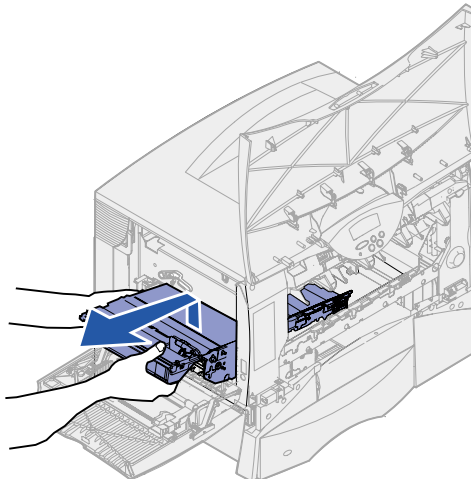
**5** Look inside the printer. Remove all torn paper or other jams.
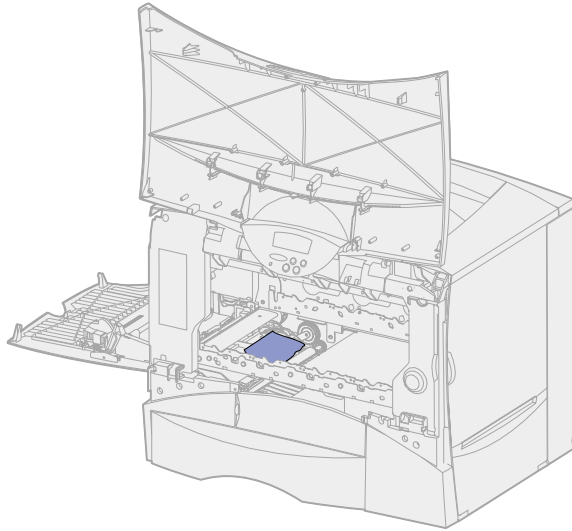


**6** Insert the image transfer unit back into the printer.

    **a** Align the guides with the insertion grooves.
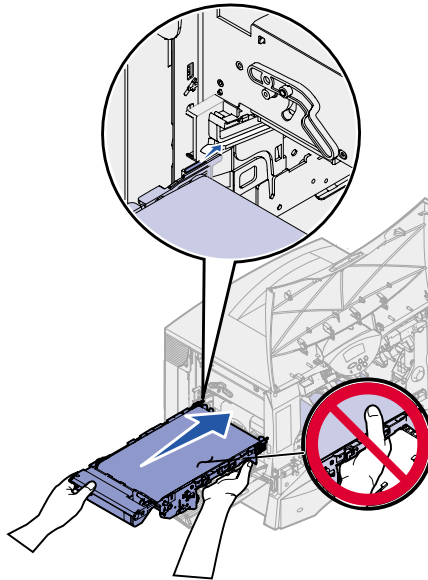
**b** Push the handle up using both hands, and gently slide the unit in.
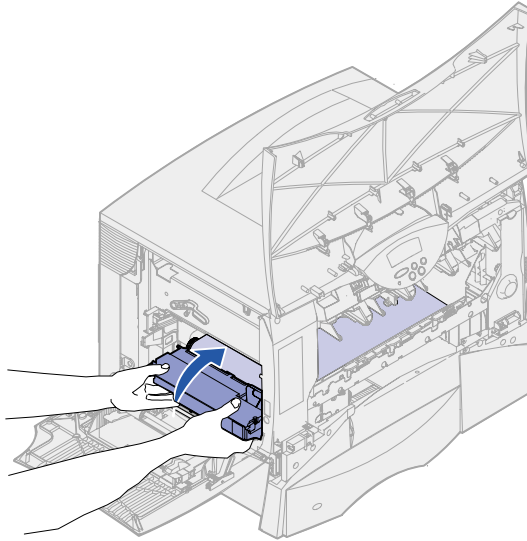
**c** Lower the lever to lock the image transfer unit into place.
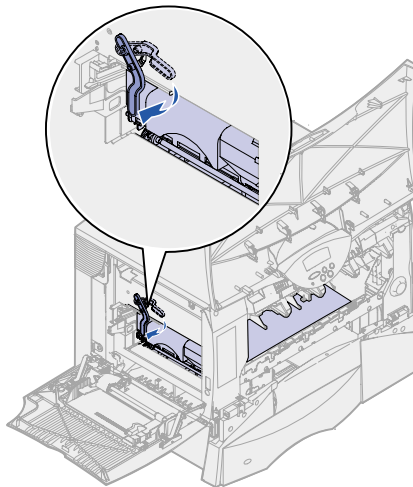
**7** Return the multipurpose feeder to its working position.

Reinstall all the print cartridges. For helping installing the print cartridges, refer to the Lexmark C750 *Setup Guide* or *Publications CD.*
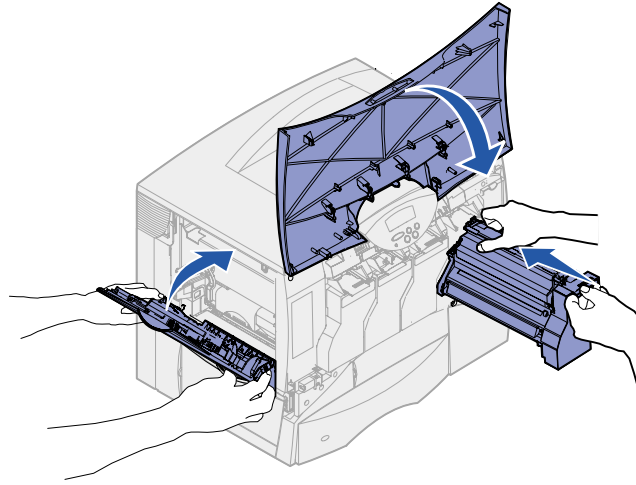
**8** Close the printer door.
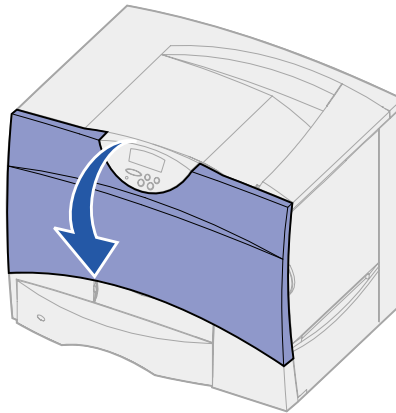
**9** Turn the printer on. The printer returns to a Ready state.

# 28 Removing memory and option cards

These instructions can help you remove memory or option cards. Use the following illustration to locate the connector for the card you want to remove.

Hard disk connector

Option card connector

Firmware card connector

Memory and flash memory card connectors
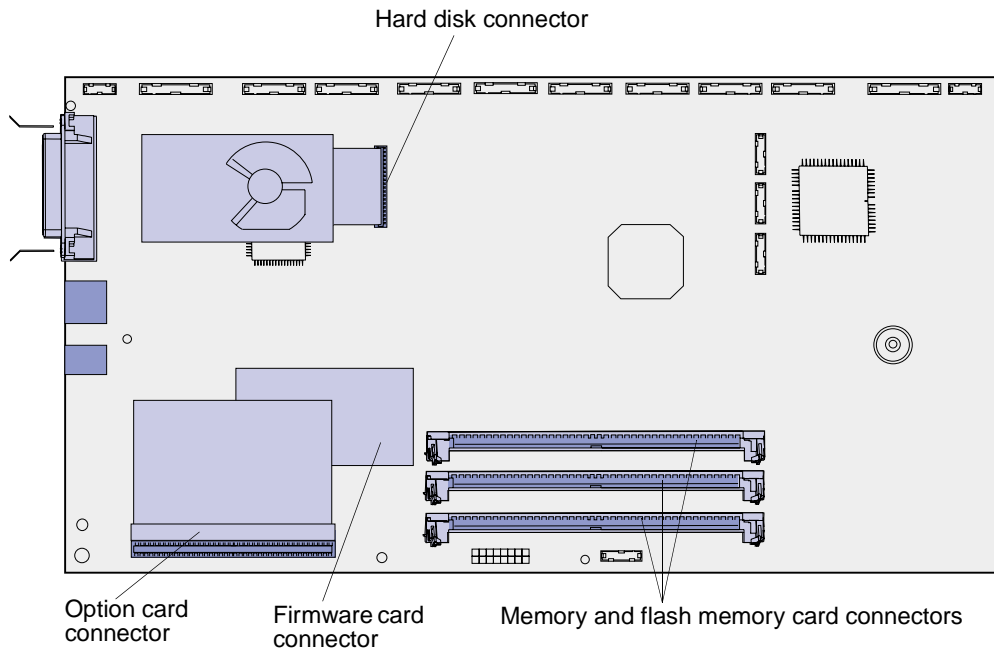
## Accessing the printer system board

**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** Loosen the four screws at the top of the access cover, but do not remove the screws completely.
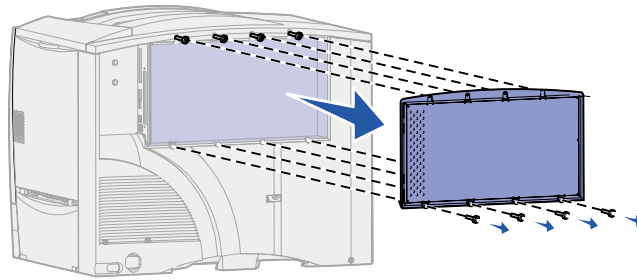


**6** Remove the four screws at the bottom of the cover.

**7** Slide the cover down to remove it.

## *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 open the latches on both ends of the connector away from the card.

**4** Pull the card straight out of the connector.
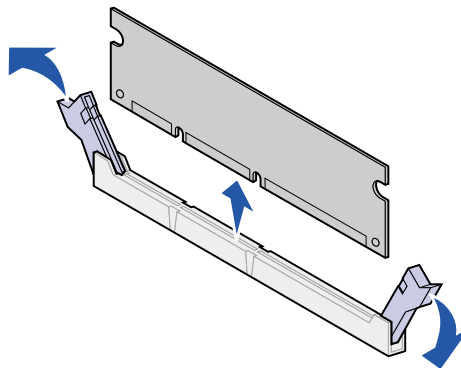


**5** Place the card in its original packaging, or wrap the card in paper and store it in a box.

**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, Tri-Port Adapter, Infrared Adapter, Coax/Twinax Adapter, or USB/Parallel 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.
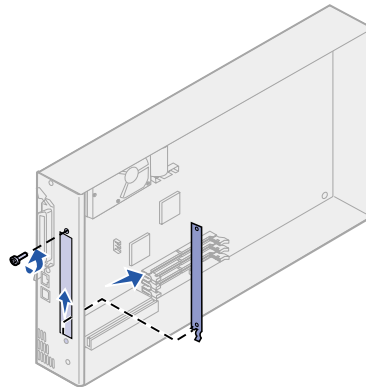


**4** Gently pull the card out of the connector.

**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

Complete the following steps to remove a hard disk. If an option card has been installed, you must remove it before removing the firmware card. See **Removing an option card**.

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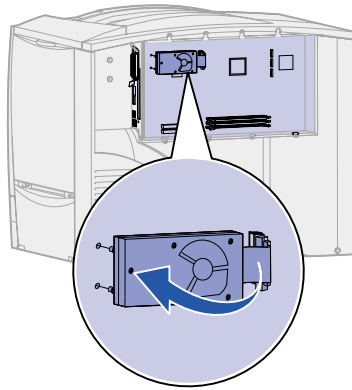
**4** Gently pull the ribbon cable connector out of the connector on the system board.

**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*

Complete the following steps to remove a firmware card. If an option card has been installed, you must remove it before removing the firmware card. See **Removing an option 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.
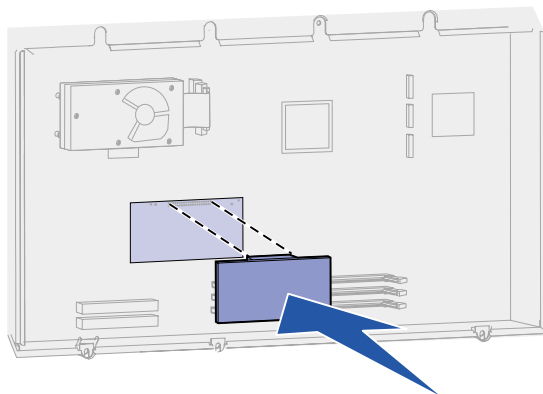
**3** Place the card in its original packaging, or wrap the card in paper and store it in a box.

**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.
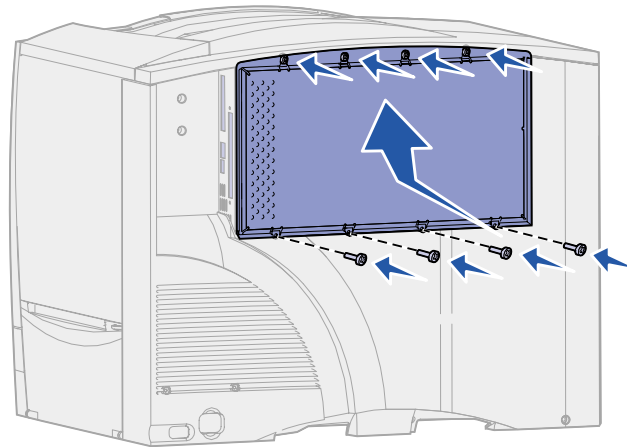
**4** Reconnect all cables on the back of the printer.

**5** Plug in the printer power cord.

**6** Turn the printer on.

# **29** 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, Infrared Menu, LocalTalk Menu, and USB Menu.

If you need more information about changing menu settings or selecting new user default settings, see **Changing menu settings**.

# 30 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 65**, select Enable instead of Disable. After you press **Select**, `Enabling Menus` is displayed.

## **31** 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 Lexmark's Web site at www.lexmark.com.

# 32 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 display.

**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.

# **33** 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.

# 34 Printing sample fonts

Your printer has resident fonts stored permanently its memory. Different fonts may be available in PCL and PostScript emulations.

To print samples of all the fonts currently available for your printer:

**1** Make sure the printer is on and `Ready` appears on the display.

**2** Press **Menu** until you see Utilities Menu, and then press **Select**.

**3** Press **Menu** until you see Print Fonts, and then press **Select**.

**4** Press **Menu** to display either PCL Fonts or PS Fonts.

    **–** Select PCL Fonts to print a listing of the fonts available in PCL emulation.
    **–** Select PS Fonts to print a listing of the fonts available in PostScript 3 emulation.

**5** Press **Select**.

The message `Printing Font List` remains on the display until all pages print. The printer returns to the `Ready` message after the font sample list prints.

Refer to the *Technical Reference* on Lexmark's Web site for more information about font and symbol set support.

## 35 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.
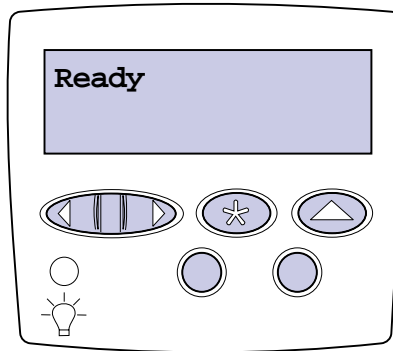
Click a letter or number at the bottom of the page to locate information about a message beginning with that character.

### A

Activating Menu Changes

<x> Alignment

### B

Bin <x> Full

Busy

### C

Calibrate <x> Load Paper

Calibrating Tray <x>

Cancelling Fax

Cancelling Job

Change <x>

Change <x> Invalid Refill

Check <device> Connection

Clearing Job
Accounting Stat

Close Door

Close Finisher Door

Close Tray X Door

Copying

**D**

Defragmenting

Delete All Jobs

Deleting Jobs

Disabling Menus

Disk Corrupted. Reformat?

Disk Recovery x/5 yyy%

**E**

Enabling Menus

Engine Warming

**F**

Fax <x>

Flushing Buffer

Formatting Disk

Formatting Disk yyy%

Formatting Flash

**G**

**H**

Held Jobs may be lost

Hole Punch Waste Full

**I**

Incorrect Media

Infrared <x>

Insert Staple Cartridge

Insert Tray <x>

Install <device>
or Cancel Job

Invalid Engine Code

Invalid Network <x> Code

Invalid Standard
Network Code

ITU/Fuser Maint

**J**

**K**

**L**

Load Manual

Load Staples

Load Tray <x>

LocalTalk <x>

**M**

Menus Disabled

**N**

Network Card Busy

Network <x>

Network <x>, <y>

No DRAM Installed

No Jobs Found. Retry?

Not Ready

**O**

Ovrflow Bin Full

**P**

Parallel <x>

Performing Self Test

Power Saver

Printer Calibrating

Print Jobs on Disk

Printing Alignment Page

Printing Directory List

Printing Font List

Printing Job Accounting Stat

Printing Menu Settings

Prog Engine Code

Prog System Code

Program Flash

Programming Disk

Programming Error P<x>

**Q**

Queuing and Deleting Jobs

Queuing Jobs

**R**

Ready

Ready Hex

Reattach <device>

Remove Paper <specified
bin>

Resetting Active Bin

Resetting Fuser Cnt Value

Resetting the Printer

Restore Held Jobs. Go/
Stop?

Restoring Factory Defaults

Restoring Held Job xxx/yyy

Restoring Held Jobs

**S**

Serial <x>

Setup Required

Staples Low

Std Bin Full

Supplies

**T**

Tray <x> Empty

Tray <x> Low

Tray <x> Missing

Tray <x> Not Calibrated

<type> in <source>. Go?

**U**

USB <x>

**V**

**W**

Waiting

**X**

**Y**

**1**

100–
   199 Service <message>

1565 Emul Error
   Load Emul Option

**2**

2<xx> Paper Jam

**3**

30 ITU Missing

30 <color> Toner Cart
   Missing

31 Defective <x> Cartridge

33 Calibration Error <x>

34 Short Paper

35 Res Save Off
   Deficient Memory

37 Insufficient
   Collation Area

37 Insufficient
   Defrag Memory

37 Insufficient Memory

38 Memory Full

39 Complex Page

**4**

4<x> Unsupported Firmwar
   e Card

**5**

51 Defective Flash

52 Flash Full

53 Unformatted Flash

54 Network <x>
   Software Error

54 Par <x> ENA
   Connection Lost

54 Serial Option <x> Error

54 Standard Serial Error

54 Std Network
   Software Error

54 Std Par ENA
   Connection Lost

56 Parallel
   Port <x> Disabled

56 Serial Port <x> Disabled

56 Standard Serial Disabled

56 Standard USB
   Port Disabled

56 Std Parallel
   Port Disabled

56 USB Port <x> Disabled

58 Too Many Disks Installed

58 Too Many Flash Options

58 Too Many Trays Attached

59 Incompatible <device>

**6**

61 Defective Disk

62 Disk Full

63 Unformatted Disk

64 Disk Not Supported

64 Unsupported Disk Forma
   t

**7**

**8**

80 Fuser Maintenance

81 Engine Code
   CRC Failure

81 ITU Maintenance

82 Oiler Nearly Exhausted

82 Replace Oiler

82 Waste Toner Bottle Full

82 Waste Toner Bottle Missi
   ng

87 Fuser Missing

88 <color> Toner Low

88 Waste Bottle Nearly Full

**9**

900–
   999 Service <message>

## Activating Menu Changes

**What this message means:**

The printer is activating changes made to the printer settings.

**What you can do:**

Wait for the message to clear.

**See also:**

**Disabling the operator panel menus**

## <x> Alignment

**What this message means:**

An image transfer unit alignment procedure is in progress and the user is being prompted for a series of alignment values. The values range from A to L.

**What you can do:**

- Enter the alignment value, and then press **Select** to continue to the next alignment value.
- Press **Go** or **Return** to cancel the alignment procedure.

## Bin <x> Full

**What this message means:**

The specified bin is full.

**What you can do:**

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.

## Busy

**What this message means:**

The printer is busy receiving, processing, or printing data.

**What you can do:**

- Wait for the message to clear.
- Press **Menu** to open the Job Menu and cancel the current job.

## Calibrate <x>
## Load Paper

**What this message means:**

Someone has initiated a tray calibration procedure.

**What you can do:**

- Load paper into <x> and press **Go** to continue the calibration process.

**See also:**

Calibrating Tray <x>; Tray <x> Not Calibrated

## Calibrating Tray <x>

**What this message means:**

A tray calibration procedure is in progress.

**What you can do:**

- Wait for the message to clear.

**See also:**

Calibrate <x> Load Paper; Tray <x> Not Calibrated

## Cancelling Fax

**What this message means:**

The printer is processing a request to cancel a fax job.

**What you can do:**

Wait for the message to clear.

## Cancelling Job

**What this message means:**

The printer is processing a request to cancel the current print job.

**What you can do:**

Wait for the message to clear.

**See also:**

**Canceling a print job**

## Change <x>

**What this message means:**

The printer is requesting that a different type of paper be loaded in one of the input sources.

**What you can do:**

Change the paper type in the specified source.

**See also:**

**Loading the trays**; *Setup Guide*

## Change <x> Invalid Refill

**What this message means:**

The printer has detected a refilled *Pre*bate cartridge.

**What you can do:**

Remove the indicated print cartridge and install a new one.

**See also:**

**Replacing print cartridges**

## Check <device> Connection

**What this message means:**

The specified device is either not fully connected to the printer or is experiencing a hardware failure.

**What you can do:**

- Reestablish communication by removing the specified device and reattaching it to the printer.

- Press **Go** to clear the message and continue printing.

- 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.

## Clearing Job Accounting Stat

**What this message means:**

The printer is deleting all job statistics stored on the hard disk.

**What you can do:**

Wait for the message to clear.

## Close Door

**What this message means:**

The printer front cover is open.

**What you can do:**

- Close the printer front cover to clear the message.

## Close Finisher Door

**What this message means:**

The finisher top cover is open.

**What you can do:**

Close the finisher top cover to clear the message.

## Close Tray X Door

**What this message means:**

The 2000-sheet drawer is open.

**What you can do:**

Close the 2000-sheet drawer to clear the message.

## Copying

**What this message means:**

The printer is processing a copy job originating from an OptraImage™ scanner.

**What you can do:**

Wait for the message to clear.

## Defragmenting

### What this message means:

The printer is defragmenting the flash memory to reclaim storage space occupied by deleted resources.

### What you can do:

Wait for the message to clear.

**WARNING:** Do not turn the printer off while this message is displayed.

## Delete All Jobs

### What this message means:

The printer is requesting confirmation to delete all held jobs.

### What you can do:

- Press **Go** to continue. The printer deletes all held jobs.
- Press **Stop** to cancel the operation.

## Deleting Jobs

### What this message means:

The printer is deleting one or more held jobs.

### What you can do:

Wait for the message to clear.

## Disabling Menus

**What this message means:**

The printer is responding to a request to disable the menus.

**What you can do:**

Wait for the message to clear.

> **Note:** While the menus are disabled, you cannot change the printer settings from the operator panel.

**See also:**

**Disabling the operator panel menus**

## Disk Corrupted.
## Reformat?

**What this message means:**

The printer has attempted a disk recovery process and cannot repair the disk.

**What you can do:**

- Press **Go** to reformat the disk and delete all files currently stored on the disk.

- Press **Stop** to clear the message without reformatting the disk. The printer may display **Disk Recovery** and attempt to recover the disk.

**See also:**

**Disk Recovery x/5 yyy%**

## Disk Recovery
## x/5 yyy%

**What this message means:**

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.

**What you can do:**

Wait for the message to clear.

**WARNING:** Do not turn the printer off while this message is displayed.

## Enabling Menus

### What this message means:

The printer is responding to a request to make the menus available to all users.

### What you can do:

Wait for the message to clear, then press **Menu** to view the menus from the operator panel.

### See also:

**Enabling the menus**

## Engine Warming

### What this message means:

The printer is warming the fuser assembly to prepare for printing.

### What you can do:

Wait for the message to clear.

## Enter PIN:
=____

### What this message means:

The printer is waiting for you to enter your four-digit personal identification number (PIN).

### What you can do:

Use the operator panel buttons to enter the PIN you identified in the driver when you sent the confidential job to the printer.

### See also:

**Holding a job in the printer**

## Fax <x>

**What this message means:**

The printer is processing an incoming fax.

**What you can do:**

Wait for the message to clear.

## Flushing Buffer

**What this message means:**

The printer is flushing corrupted print data and discarding the current print job.

**What you can do:**

Wait for the message to clear.

## Formatting Disk

**What this message means:**

The printer is formatting the hard disk.

**What you can do:**

Wait for the message to clear.

**WARNING:** Do not turn the printer off while this message is displayed.

## Formatting Disk
## yyy%

**What this message means:**

The printer is formatting the hard disk. When formatting takes longer than usual, the second line of the display shows the percent complete.

**What you can do:**

Wait for the message to clear.

**WARNING:** Do not turn the printer off while this message is displayed.

## Formatting Flash

### What this message means:

The printer is formatting the flash memory.

### What you can do:

Wait for the message to clear.

**WARNING:** Do not turn the printer off while this message is displayed.

## Held Jobs may be lost

### What this message means:

The printer memory is too full to continue processing print jobs.

### What you can do:

- Press **Go** 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.

- Press **Stop** to clear the message without deleting any held jobs. The current job may not print correctly.

- Press **Menu** to open the Job Menu and cancel the current job.

- To avoid this error in the future:
  - Delete fonts, macros, and other data stored in printer memory.
  - Install more printer memory**.**

    **Note:** The messages `37 Insufficient Memory` and `Held Jobs may be lost` alternate on the display.

### See also:

**Holding a job in the printer**; **37 Insufficient Memory**

## Hole Punch Waste Full

### What this message means:

The hole punch box in the finisher is full.

### What you can do:

Empty the hole punch box.

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## Incorrect Media

**What this message means:**

The printer detects a media type mismatch feeding from the multipurpose feeder.

**What you can do:**

- Replace the media in the multipurpose feeder with the requested media and press **Go**.

- Press **Menu** to access the **Busy/Waiting Menu** group, and select one of the following options:

   – Cancel Job
   – Reset Printer
   – Reset Active Bin

## Infrared <x>

**What this message means:**

An infrared interface is the active communication link.

## Insert Staple Cartridge

**What this message means:**

The staple cartridge in the finisher is missing or is installed incorrectly.

**What you can do:**

- Correctly install the staple cartridge to clear the message.

- Press **Go** to ignore the message and continue printing without stapling.

## Insert Tray <x>

**What this message means:**

The specified tray is either missing or not fully inserted into the printer.

**What you can do:**

Insert the specified tray completely into the printer.

**See also:**

**Loading the trays**

```
Install <device>
or Cancel Job
```

**What this message means:**

The printer is requesting that a specified device be installed so it can print a job.

**What you can do:**

- Turn the printer off, install the specified device, and restart the printer.

- Press **Menu** to open the Job Menu and cancel the current job.

```
Invalid Engine Code
```

**What this message means:**

The printer engine code has not been programmed or is not valid.

**What you can do:**

Call for service.

**See also:**

**Calling for service**

```
Invalid              Invalid Standard
Network <x> Code     Network Code
```

**What this message means:**

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.

**What you can do:**

Download valid code to the printer internal print server.

> **Note:** You can download network code while this message is displayed.

## ITU/Fuser Maint

**What this message means:**

The counters that track wear on the image transfer unit and fuser have reached their limit.

**What you can do:**

Replace the image transfer unit and fuser.

**See also:**

**Replacing the fuser**; **Replace the image transfer unit and transfer roller**

## Load Manual

**What this message means:**

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.

**What you can do:**

- Load a sheet of the paper specified in the second line of the display in the manual feed tray or multipurpose feeder.

- Press **Select** or **Go** 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.

- Press **Menu** to open the Job Menu and cancel the current job.

**See also:**

**Loading the multipurpose feeder**

## Load Staples

**What this message means:**

The printer is trying to staple a print job, but the stapler is empty.

**What you can do:**

- Install a new staple cartridge in the stapler.

- Press **Go** to clear the message and continue printing without stapling.

- Press **Menu** to open the Job Menu and cancel the current job.

## Load Tray <x>

**What this message means:**

The printer is trying to feed paper from a source it detects is empty.

**What you can do:**

- 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.

- Press **Menu** to open the Job Menu and cancel the current job.

**See also:**

**Loading the trays**

## LocalTalk <x>

**What this message means:**

A LocalTalk interface is the active communication link.

## Menus Disabled

**What this message means:**

The printer menus are disabled. You cannot change the printer settings from the operator panel.

**What you can do:**

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.

**See also:**

**Disabling the operator panel menus**

```
Network Card
Busy
```

**What this message means:**

An internal print server (also called an internal network adapter or INA) is being reset.

**What you can do:**

Wait for the message to clear.

```
Network <x>
```

**What this message means:**

A network interface is the active communication link.

```
Network <x>, <y>
```

**What this message means:**

A network interface is the active communication link, where <x> represents the active communication link and <y> represents the channel.

```
No DRAM Installed
```

**What this message means:**

No DRAM is installed in the printer.

**What you can do:**

Turn the printer off, install DRAM and turn the printer back on.

```
No Jobs Found.
Retry?
```

**What this message means:**

The four-digit personal identification number (PIN) you entered is not associated with any confidential print job.

**What you can do:**

- Press **Go** to enter another PIN.
- Press **Stop** to clear the PIN entry prompt.

**See also:**

**Holding a job in the printer**

```
Not Ready
```

**What this message means:**

The printer is not ready to receive or process data. Someone pressed **Stop** to take the printer offline.

**What you can do:**

Press **Go** to make the printer ready to receive jobs.

```
Ovrflow Bin Full
```

**What this message means:**

The mailbox's designated overflow bin is full.

**What you can do:**

Remove the stack of paper from the bin to clear the message.

```
Parallel <x>
```

**What this message means:**

A parallel interface is the active communication link.

## Performing
## Self Test

**What this message means:**

The printer is running the series of start-up tests it performs after it is turned on.

**What you can do:**

Wait for the message to clear.

## Power Saver

**What this message means:**

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 `Power Saver` message replaces the `Ready` message on the display.

**What you can do:**

- Send a job to print.
- Press **Go** to quickly warm the printer to normal operating temperature and display the `Ready` message.

## Printer Calibrating

**What this message means:**

The printer is adjusting the color tables to correct variations caused by environmental conditions.

**What you can do:**

Wait for the message to clear.

**See also:**

**Color Menu**

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## Print Jobs on Disk

**What this message means:**

Jobs that were spooled to the hard disk before the printer was last turned off have not yet printed.

**What you can do:**

- Press **Go** to print the jobs.

- Press **Return** or **Stop** to delete the jobs from the hard disk without printing them.

## Printing Alignment Page

**What this message means:**

The printer is processing or printing a test page that shows alignment values.

**What you can do:**

Wait until the page has completed printing.

**See also:**

**<x> Alignment**

## Printing Directory List

**What this message means:**

The printer is processing or printing a directory of all files stored in flash memory or on a hard disk.

**What you can do:**

Wait for the message to clear.

**See also:**

**Print Directory**

```
Printing
Font List
```

**What this message means:**

The printer is processing or printing a list of all available fonts for the specified printer language.

**What you can do:**

Wait for the message to clear.

**See also:**

**Print Fonts**

```
Printing Job
Accounting Stat
```

**What this message means:**

The printer is processing or printing all job accounting statistics stored on the hard disk.

**What you can do:**

Wait for the message to clear.

**See also:**

**Job Acct Stat**

```
Printing Menu
Settings
```

**What this message means:**

The printer is processing or printing the menu settings page.

**What you can do:**

Wait for the message to clear.

**See also:**

**Print Menus**; **Printing a menu settings page**

## Prog Engine Code

**What this message means:**

The printer is programming new code into the flash memory.

**What you can do:**

Wait for the message to clear.

**WARNING:** Do not turn the printer off while this message is displayed.

## Prog System Code

**What this message means:**

The printer is programming new system code.

**What you can do:**

Wait for the message to clear and the printer to reset.

**WARNING:** Do not turn the printer off while this message is displayed.

## Program Flash

**What this message means:**

The printer is storing resources, such as fonts or macros, in flash memory.

**What you can do:**

Wait for the message to clear.

**WARNING:** Do not turn the printer off while this message is displayed.

## Programming Disk

**What this message means:**

The printer is storing resources, such as fonts or macros, on the hard disk.

**What you can do:**

Wait for the message to clear.

**WARNING:** Do not turn the printer off while this message is displayed.

## Programming Error P<x>

**What this message means:**

An error occurred while the printer was programming code into memory.

**What you can do:**

Correct the problem specified on the second line of the display:

| | |
|---|---|
| **P105** | A network file was used to program a non-network printer, or a non-network file was used to program a network printer. |
| **P109** | An update file was used to program the printer, but the information did not fit within the space allocated in the Master Boot Record. |
| **P112** | 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. |
| **P200** | No firmware card is installed. |

## Queuing and Deleting Jobs

**What this message means:**

The printer is deleting one or more held jobs and sending one or more jobs to print.

**What you can do:**

Wait for the message to clear.

**See also:**

**Printing and deleting held jobs**

## Queuing Jobs

**What this message means:**

The printer is sending one or more held jobs to print.

**What you can do:**

Wait for the message to clear.

**See also:**

**Holding a job in the printer**

## Ready

**What this message means:**

The printer is ready to receive and process print jobs.

**What you can do:**

Send a job to print.

## Ready Hex

**What this message means:**

The printer is in Hex Trace mode and is ready to receive and process print jobs.

**What you can do:**

- Send a job to print. All data sent to the printer is printed in hexadecimal and character representation. Control strings are printed, not executed.

- Turn the printer off and then on to exit Hex Trace mode and return to Ready status.

## Reattach
## &lt;device&gt;

**What this message means:**

The specified device is either not fully connected to the printer or is experiencing a hardware failure.

**What you can do:**

- Reestablish communication by removing the specified device and reattaching it to the printer.

- Press **Go** to clear the message and continue printing without using the device.

- 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.

**See also:**

**Calling for service**

## Remove Paper
## <specified bin>

**What this message means:**

The specified output bin, or bins, is full.

**What you can do:**

Remove the stack of paper from the specified bin(s) to clear the message.

## Resetting
## Active Bin

**What this message means:**

The printer is resetting to the active bin in a linked set of bins.

**What you can do:**

Wait for the message to clear.

## Resetting
## Fuser Cnt Value

**What this message means:**

The printer is resetting the counter that tracks wear on the fuser.

**What you can do:**

Wait for the message to clear.

## Resetting the
## Printer

**What this message means:**

The printer is resetting to the current default settings. Any active print jobs are cancelled.

**What you can do:**

Wait for the message to clear.

**See also:**

**Changing menu settings**

## Restore Held
## Jobs. Go/Stop?

**What this message means:**

Someone reset the printer or turned it on, and the printer detects Print and Hold jobs stored on the hard disk.

**What you can do:**

- Press **Go**. All Print and Hold jobs on the hard disk are restored to printer memory.

- Press **Return** or **Stop**. No Print and Hold jobs are restored to printer memory. The printer returns to the Ready state.

**See also:**

**Holding a job in the printer**

## Restoring Factory
## Defaults

**What this message means:**

The printer is restoring the factory default printer settings. When factory default settings are restored:

- All downloaded resources (fonts, macros, symbol sets) in the printer memory are deleted.

- All menu settings return to the factory default setting *except*:

   – The Display Language setting in the Setup Menu.
   – All settings in the Parallel Menu, Serial Menu, Network Menu, Infrared Menu, LocalTalk Menu, USB Menu, and Fax Menu.

**What you can do:**

Wait for the message to clear.

**See also:**

**Restoring factory default settings**

## Restoring
## Held Job xxx/yyy

### What this message means:

The printer is restoring held jobs from the hard disk.

> **Note:** **xxx** represents the number of the job being restored.
> **yyy** represents the total number of jobs to be restored.

### What you can do:

- Wait for the message to clear.

- Select the Abort Restore menu item in the Job Menu.

### See also:

**Holding a job in the printer**

## Restoring Held Jobs

### What this message means:

The printer is restoring held jobs from the hard disk.

### What you can do:

Wait for the message to clear.

### See also:

**Holding a job in the printer**

## Serial <x>

### What this message means:

A serial interface is the active communication link.

## Setup Required

**What this message means:**

- When you unpacked the printer, you left a piece of packing material inside.
- A hardware component, such as an optional paper drawer, has not been installed correctly.

**What you can do:**

- Remove all packing material from inside the printer.
- Correctly install the component.

**See also:**

*Setup Guide*

## Staples Low

**What this message means:**

The stapler has only a few staples remaining.

**What you can do:**

- Press **Go** to continue printing.
- Install a new staple cartridge to clear the message.

## Std Bin Full

**What this message means:**

The standard bin is full.

**What you can do:**

Remove the stack of paper in the bin to clear the message.

## Supplies

### What this message means:

At least one of the printer supplies requires attention. For example, you may have a toner cartridge that is low on toner.

### What you can do:

Press **Menu** to open the Supplies Menu and identify which supply item needs replacing. Replace the appropriate printer supplies.

## Tray <x> Empty

### What this message means:

The specified tray is out of paper.

### What you can do:

Load paper in the tray to clear the message.

### See also:

**Loading the trays**

## Tray <x> Low

### What this message means:

The specified tray is low on paper.

### What you can do:

Add paper to the tray to clear the message.

### See also:

**Loading the trays**

## Tray <x> Missing

**What this message means:**

The specified tray is either missing or not fully inserted into the printer.

**What you can do:**

Insert the tray completely into the printer.

**See also:**

**Loading the trays**

## Tray <x> Not Calibrated

**What this message means:**

The transparency sensor (in trays that have transparency sensing capability) is not calibrated.

**What you can do:**

- Press **Go** to clear the message.

    **Note:** Paper will not be fed from the tray until the tray has been calibrated.

- Calibrate the tray in the Configuration Menu.

## <type>
## in <source>. Go?

**What this message means:**

The printer detects a type change in a type-sensing tray. The types are:

| | | |
|---|---|---|
| **Bond** | **Cardstock** | **Colored** |
| **Envelope** | **Labels** | **Ltrhead** |
| **Plain** | **Preprint** | **Trnsprncy** |
| **Glossy** | **Custom type** | |

**What you can do:**

- Press **Go** to clear the message.
- Remove the tray and change the paper to a desired type.

## USB <x>

**What this message means:**

The printer is processing data through the specified USB port.

## Waiting

**What this message means:**

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.

**What you can do:**

- Press **Go** to print the contents of the buffer.

- Press **Menu** to open the Job Menu and cancel the current job.

**See also:**

**Canceling a print job**

## 100–199 Service <message>

**What these messages mean:**

Messages labeled 100–199 relate to printer problems that may require printer service.

**What you can do:**

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.

**See also:**

**Calling for service**

## 1565 Emul Error
## Load Emul Option

**What this message means:**

The download emulator version on the firmware card does not match the printer code version.

This error can occur if you update printer firmware or move a firmware card from one printer to another.

**What you can do:**

The printer automatically clears the message in 30 seconds, and then disables the download emulator on the firmware card.

Download the correct download emulator version from Lexmark's Web site.

## 2<xx> Paper Jam

**What this message means:**

The printer detects a paper jam.

**What you can do:**

Clear the paper path.

**See also:**

**Clearing the paper path**

## 30 ITU Missing

**What this message means:**

The image transfer unit (ITU) is not installed or is installed incorrectly.

**What you can do:**

Turn the printer off, correctly install the image transfer unit, and then turn the printer on.

**See also:**

**Replace the image transfer unit and transfer roller**

## 30 <color> Toner
## Cart Missing

**What this message means:**

The specified toner cartridge is either missing or incorrectly installed.

**What you can do:**

Insert the toner cartridge completely into the printer. The printer automatically clears the message.

**See also:**

**Replacing print cartridges**

## 31 Defective <x> Cartridge

**What this message means:**

A defective print cartridge is installed.

**What you can do:**

Remove the specified print cartridge and install a new one.

**See also:**

**Replacing print cartridges**

## 33 Calibration Error <x>

**What this message means:**

The printer detects a calibration error for a particular color.

**What you can do:**

Press **Go** to continue printing.

## 34 Short Paper

**What this message means:**

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.

**What you can do:**

- Press **Go** to clear the message and continue printing. The printer does not automatically reprint the page that prompted the message.

- 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.

- Press **Menu** to open the Job Menu and cancel the current job.

**See also:**

**Paper and specialty media specifications**

## 35 Res Save Off
## Deficient Memory

**What this message means:**

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.

**What you can do:**

- Press **Go** to disable Resource Save and continue printing.

- To enable Resource Save after you get this message:

  - Make sure the link buffers are set to Auto, and exit the menus to activate the link buffer changes.
  - When **Ready** is displayed, enable Resource Save from the Setup Menu.

- Install additional memory.

## 37 Insufficient
## Collation Area

**What this message means:**

The printer memory (or hard disk, if installed) does not have the free space necessary to collate the print job.

**What you can do:**

- Press **Go** to print the portion of the job already stored and begin collating the rest of the job.

- Press **Menu** to open the Job Menu and cancel the current job.

**See also:**

**Canceling a print job**

## 37 Insufficient
## Defrag Memory

**What this message means:**

The printer cannot defragment flash memory, because the printer memory used to store undeleted flash resources is full.

**What you can do:**

- Delete fonts, macros, and other data in printer memory.

- Install additional printer memory.

## 37 Insufficient Memory

**What this message means:**

The printer memory is full and cannot continue processing current print jobs.

**What you can do:**

- Press **Go** 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.

- Press **Stop** to clear the message without deleting any held jobs. The current job may not print correctly.

- Press **Menu** to open the Job Menu and cancel the current job.

- To avoid this error in the future:

    – Delete fonts, macros, and other data in printer memory.
    – Install additional printer memory.

    > **Note:** The messages **37 Insufficient Memory** and **Held Jobs may be lost** alternate on the display.

**See also:**

**Holding a job in the printer**; **Held Jobs may be lost**

## 38 Memory Full

**What this message means:**

The printer is processing data, but the memory used to store pages is full.

**What you can do:**

- Press **Go** to clear the message and continue printing the job. The job may not print correctly.

- Press **Menu** to open the Job Menu and cancel the current job.

- To avoid this error in the future:

    – Simplify the print job by reducing the amount of text of graphics on a page and deleting unnecessary downloaded fonts or macros.
    – Install additional printer memory.

**See also:**

**Canceling a print job**

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## 39 Complex Page

**What this message means:**

The page may not print correctly because the print information on the page is too complex.

**What you can do:**

- Press **Go** to clear the message and continue printing the job. The job may not print correctly.

- Press **Menu** to open the Job Menu and cancel the current job.

- To avoid this error in the future:

   – Reduce the complexity of the page by reducing the amount of text or graphics on the page and deleting unnecessary downloaded fonts or macros.
   – Set Page Protect to On in the Setup Menu.
   – Install additional printer memory.

**See also:**

**Setup Menu**

## 4<x> Unsupported Firmware Card

**What this message means:**

The printer detects an unsupported version of firmware on the installed firmware card.

**What you can do:**

- Turn the printer off, and then press and hold **Go** while turning it on. The printer reads the code on the system card and bypasses the code on the firmware card.

- Remove the firmware card.

**See also:**

*Setup Guide*

## 51 Defective Flash

**What this message means:**

The printer detects defective flash memory.

**What you can do:**

Press **Go** to clear the message and continue printing. You must install different flash memory before you can download any resources to flash.

## 52 Flash Full

**What this message means:**

There is not enough free space in the flash memory to store the data you are trying to download.

**What you can do:**

- Press **Go** to clear the message and continue printing. Downloaded fonts and macros not previously stored in flash memory are deleted.

- Delete fonts, macros, and other data stored on the flash memory.

- Install flash memory with more storage capacity.

## 53 Unformatted Flash

**What this message means:**

The printer detects unformatted flash memory.

**What you can do:**

- Press **Go** to clear the message and continue printing. You must format the flash memory before you can store any resources on it.

- If the error message remains, the flash memory may be defective and require replacing.

## 54 Serial Option <x> Error      54 Standard Serial Error

**What this message means:**

The printer has detected a serial interface error on a serial port.

**What you can do:**

- Make sure the serial link is set up correctly and you are using the appropriate cable.

- Press **Go** to clear the message and continue printing. The job may not print correctly.

- Press **Menu** to open the Job Menu and reset the printer.

```
54 Network <x>        54 Std Network
Software Error        Software Error
```

**What these messages mean:**

The printer cannot establish communications with an installed network port.

**What you can do:**

- Press **Go** to clear the message and continue printing. The job may not print correctly.

- Program new firmware for the network interface by way of the parallel port.

- Press **Menu** to open the Job Menu and reset the printer.

```
54 Std Par ENA        54 Par <x> ENA
Connection Lost       Connection Lost
```

**What this message means:**

The printer has lost the connection to an external print server (also called an external network adapter or ENA).

**What you can do:**

- Make sure the cable connecting the ENA and the printer is securely attached. Turn the printer off and then on to reset the printer.

- Press **Go** to clear the message. The printer erases any reference to the ENA and then resets.

```
56 Serial             56 Standard Serial Disabled
Port <x> Disabled
```

**What this message means:**

Data has been sent to the printer through a serial port, but the serial port is disabled.

**What you can do:**

- Press **Go** to clear the message. The printer discards any data received through the serial port.

- Make sure the Serial Buffer menu item in the Serial Menu is not set to Disabled.

**See also:**

[Serial Buffer](#)

```
56 Parallel                    56 Std Parallel
Port <x> Disabled              Port Disabled
```

**What this message means:**

Data has been sent to the printer through a parallel port, but the parallel port is disabled.

**What you can do:**

- Press **Go** to clear the message. The printer discards any data received through the parallel port.

- Make sure the Parallel Buffer menu item in the Parallel Menu is not set to Disabled.

**See also:**

**Parallel Buffer**

```
56 USB Port <x>                56 Standard USB
Disabled                       Port Disabled
```

**What this message means:**

Data has been sent to the printer through a USB port, but the USB port is disabled.

**What you can do:**

- Press **Go** to clear the message. The printer discards any data received through the USB port.

- Make sure the USB Buffer menu item in the USB Menu is not set to Disabled.

**See also:**

**USB Buffer**

## 58 Too Many
## Disks Installed

**What this message means:**

Too many hard disks are installed on the printer. The printer only supports one hard disk at a time.

**What you can do:**

Turn off and unplug the printer. Remove the excess hard disks from the printer. Plug in the printer and turn it on.

**See also:**

**Removing memory and option cards**

## 58 Too Many
## Flash Options

**What this message means:**

Too many flash memory options are installed on the printer.

**What you can do:**

Turn off and unplug the printer. Remove the excess flash memory. Plug in the printer and turn it on.

**See also:**

**Removing memory and option cards**

## 58 Too Many
## Trays Attached

**What this message means:**

Too many drawers with matching trays are installed on the printer.

**What you can do:**

Turn off and unplug the printer. Remove the additional drawers. Plug in the printer and turn it on.

**See also:**

*Setup Guide*

## 59 Incompatible
## <device>

**What this message means:**

You have installed an incompatible device.

**What you can do:**

• Remove the device and press **Go** to clear the message.

## 61 Defective Disk

**What this message means:**

The printer detects a defective hard disk.

**What you can do:**

• Press **Go** to clear the message and continue printing.

• Install a different hard disk before you perform any operations that require one.

**See also:**

*Setup Guide*

## 62 Disk Full

**What this message means:**

There is not enough memory on the hard disk to store the data sent to the printer.

**What you can do:**

• Press **Go** to clear the message and continue processing. Any information not previously stored on the hard disk is deleted.

• Delete fonts, macros, and other data stored on the hard disk.

## 63 Unformatted Disk

**What this message means:**

The printer detects an unformatted hard disk.

**What you can do:**

- Press **Go** to clear the message and continue printing.

- Format the disk before performing any disk operations. To format the disk, select Format Disk from the Utilities Menu.

- If the error message remains, the hard disk may be defective and require replacing. Install a new hard disk and format it.

**See also:**

**Format Disk**

## 64 Disk Not Supported

**What this message means:**

The printer detects that an incompatible hard disk is installed.

**What you can do:**

Turn the printer off and remove the disk.

**See also:**

**Removing memory and option cards**

## 64 Unsupported Disk Format

**What this message means:**

The printer detects an unsupported disk format.

**What you can do:**

- Press **Go** to clear the message.

- Format the disk.

> **Note:** Disk operations will not be allowed until the disk is formatted.

## 80 Fuser Maintenance

**What this message means:**

The counter that tracks wear on the fuser has reached its limit.

**What you can do:**

- Press **Go** to continue printing.
- If print quality is unacceptable, replace the fuser.

**See also:**

**Replacing the fuser**

## 81 Engine Code
## CRC Failure

**What this message means:**

Microcode in the engine flash code module has failed a system check.

**What you can do:**

- Press **Go** to clear the message.
- Discard the code. Retransmit the microcode data from the host computer.

## 81 ITU Maintenance

**What this message means:**

The counter that tracks wear on the image transfer unit has reached its limit.

**What you can do:**

- Press **Go** to continue printing.
- If print quality is unacceptable, replace the image transfer unit.

**See also:**

**Replace the image transfer unit and transfer roller**

## 82 Oiler Nearly Exhausted

**What this message means:**

The web oiler is nearing the end of its life.

**What you can do:**

- Press **Go** to clear the message and continue printing.

- Replace the web oiler.

**See also:**

82 Replace Oiler

## 82 Replace Oiler

**What this message means:**

The web oiler has reached its end of life or is missing from the printer.

**What you can do:**

Replace the web oiler.

**See also:**

82 Oiler Nearly Exhausted

## 82 Waste Toner Bottle Full

**What this message means:**

The toner waste container is full.

**What you can do:**

Replace the toner waste container and press **Go** to clear the message.

**See also:**

Replacing the toner waste container

## 82 Waste Toner Bottle Missing

**What this message means:**

The toner waste container is missing.

**What you can do:**

Replace the toner waste container and press **Go** to clear the message.

**See also:**

**Replacing the toner waste container**

## 87 Fuser
## Missing

**What this message means:**

The fuser is either missing or incorrectly installed.

**What you can do:**

Correctly install the fuser to clear the message and continue printing.

**See also:**

**Replacing the fuser**

## 88 <color> Toner
## Low

**What this message means:**

The printer has detected that the toner supply in the specified cartridge is low. If you do not have the specified toner cartridge on hand, order one now. You can print approximately 250 more pages before the cartridge becomes empty.

**What you can do:**

- Replace the specified toner cartridge.
- Press **Go** to clear the message and continue printing. The **Supplies** message is displayed until you replace the specified toner cartridge.

**See also:**

**Replacing print cartridges**

## 88 Waste Bottle Nearly Full

**What this message means:**

The toner waste container is almost full.

**What you can do:**

- Press **Go** to clear the message and continue printing.

- Replace the toner waste container.

**See also:**

**82 Waste Toner Bottle Full**; **Replacing the toner waste container**

## 900–999 Service <message>

**What these messages mean:**

Messages labeled 900–999 relate to printer problems that may require printer service.

**What you can do:**

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.

**See also:**

**Calling for service**

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# 36 Using printer menus

Select a menu from the following list for more information. Or, click a letter in the index at the bottom of the page to find a specific menu item that starts with that letter.

**Click here** for a one-page overview of all the menus and their menu items.

- **Color Menu**
- **Finishing Menu**
- **Infrared Menu**
- **Job Menu**
- **LocalTalk Menu**
- **Network Menu**
- **Paper Menu**
- **Parallel Menu**

- **PCL Emul Menu**
- **PostScript Menu**
- **Serial Menu**
- **Setup Menu**
- **Supplies Menu**
- **USB Menu**
- **Utilities Menu**

Select a menu or menu item for more details.

**Finishing Menu**
Duplex
Duplex Bind
Copies
Blank Pages
Collation
Separator Sheets
Separator Source
Hole Punch
Offset Pages
Staple Job
Staple Prime Src
Multipage Print
Multipage Order
Multipage View
Multipage Border

**Network Menu**
PCL SmartSwitch
PS SmartSwitch
MAC Binary PS
NPA Mode
Network Buffer
Job Buffering
Network <x> Setup
Std Net Setup

**Job Menu**
Cancel Job
Reset Printer
Print Buffer
Cancel Fax
Confidential Job
Held Jobs
Reset Active Bin

**LocalTalk Menu**
LocalTalk Port
PCL SmartSwitch
PS SmartSwitch
NPA Mode
LocalTalk Buffer
Job Buffering
NPA Hosts
LocalTalk Name
LocalTalk Addr
LocalTalk Zone

**Infrared Menu**
Infrared Port
PCL SmartSwitch
PS SmartSwitch
NPA Mode
Infrared Buffer
Job Buffering
Window Size
Transmit Delay
Max Baud Rate

**Paper Menu**
Paper Source
Paper Size
Paper Type
Custom Types
Output Bin
Configure Bins
Overflow Bin
Assign Type/Bin
Substitute Size
Configure MP
Paper Texture
Paper Weight
Paper Loading
Universal Setup

**Parallel Menu**
PCL SmartSwitch
PS SmartSwitch
NPA Mode
Parallel Buffer
Job Buffering
Advanced Status
Protocol
Honor Init
Parallel Mode 1
Parallel Mode 2

**PCL Emul Menu**
Font Source
Font Name
Point Size
Pitch
Symbol Set
Orientation
Lines per Page
A4 Width
Auto CR after LF
Auto LF after CR
Tray Renumber

**Setup Menu**
Printer Language
Printer Usage
Power Saver
Resource Save
Download Target
Print Timeout
Auto Continue
Wait Timeout
Jam Recovery
Page Protect
Display Language
Alarm Control
Hole Punch Alarm
Staple Alarm
Toner Alarm
Job Accounting
Job Acct Limit
Print Area

**Color Menu**
Color Correction
Manual Color
Print Mode
Print Resolution
Toner Darkness

**Serial Menu**
PCL SmartSwitch
PS SmartSwitch
NPA Mode
Serial Buffer
Job Buffering
RS-232/RS-422
RS-422 Polarity
Serial Protocol
Robust XON
Baud
Data Bits
Parity
Honor DSR

**PostScript Menu**
Print PS Error
Font Priority
Image Smoothing

**Supplies Menu**
<color> Toner
Oiler
Waste Bottle

**USB Menu**
PCL SmartSwitch
PS SmartSwitch
MAC Binary PS
NPA Mode
USB Buffer
Job Buffering

**Utilities Menu**
Color Adjust
Color Samples
Print Demo
Print Menus
Print Net <x> Setup
Print Fonts
Print Directory
Factory Defaults
Format Flash
Defragment Flash
Format Disk
Job Acct Stat
Hex Trace

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# 37 LocalTalk Menu

Use the LocalTalk Menu to change printer settings affecting jobs sent to the printer through a LocalTalk port.

Select a menu item for more details:

- **Job Buffering**
- **LocalTalk Addr**
- **LocalTalk Buffer**
- **LocalTalk Name**
- **LocalTalk Port**

- **LocalTalk Zone**
- **NPA Hosts**
- **NPA Mode**
- **PCL SmartSwitch**
- **PS SmartSwitch**

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

## Job Buffering

### Purpose:

To temporarily store jobs on the printer hard disk before printing.

### Values:

| | |
|---|---|
| **Off\*** | Does not buffer the print job 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. |

> **Note:** Changing the Job Buffering menu item automatically resets the printer.

## LocalTalk Addr

### Purpose:

To identify the LocalTalk Node number assigned to the printer. This menu item cannot be modified through the operator panel.

## LocalTalk Buffer

### Purpose:

To configure the size of the LocalTalk input buffer.

### Values:

| | |
|---|---|
| **Disabled** | Disables job buffering. Any jobs already buffered on the disk are printed before normal processing of incoming jobs resumes. |
| **Auto*** | Printer automatically calculates LocalTalk Buffer size (recommended). |
| **6K to maximum size allowed** | User specifies the LocalTalk 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 LocalTalk Buffer size, disable or reduce the size of the parallel, serial, network, infrared, and USB buffers. |

> **Note:** Changing the LocalTalk Buffer menu item automatically resets the printer.

### See also:

**Resource Save**

## LocalTalk Name

### Purpose:

To identify the printer model name stored in printer memory. This menu item cannot be modified through the operator panel.

## LocalTalk Port

### Purpose:

To activate the LocalTalk port.

### Values:

| | |
|---|---|
| **Disabled*** | Disables the LocalTalk port and all other menu items in the LocalTalk Menu. |
| **LTalk Option \<x\>** | Activates the specified LocalTalk port. |

## LocalTalk Zone

### Purpose:

To identify the LocalTalk Zone provided by the LocalTalk network. This menu item cannot be modified through the operator panel.

## NPA Hosts

### Purpose:

To specify the maximum number of NPA hosts that can register for NPA alerts.

### Values:

**1...10 (2*)**

## NPA Mode

### Purpose:

To specify whether the printer performs the special processing required for bidirectional communication, following the conventions defined in the Network Printing Alliance (NPA) Protocol.

### Values:

| | |
|---|---|
| **Off** | Printer does not perform NPA processing. |
| **Auto*** | Printer examines the data to determine the format and then processes it appropriately. |

**Note:** Changing this menu item automatically resets the printer.

# PCL SmartSwitch

**Purpose:**

To configure the printer so it automatically switches to PCL emulation when a print job received through the LocalTalk port requires it, regardless of the default printer language.

**Values:**

| | |
|---|---|
| **On*** | Printer examines data on the LocalTalk interface and selects PCL emulation if the data indicates that is the required printer language. |
| **Off** | 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. |

**See also:**

**PS SmartSwitch**; **Printer Language**

# PS SmartSwitch

**Purpose:**

To configure the printer so it automatically switches to PostScript emulation when a print job received through the LocalTalk port requires it, regardless of the default printer language.

**Values:**

| | |
|---|---|
| **On*** | Printer examines data on the LocalTalk interface and selects PostScript emulation if the data indicates that is the required printer language. |
| **Off** | 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. |

**See also:**

**PCL SmartSwitch**; **Printer Language**

# **38** 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.

Select a menu item for more details:

- **Cancel Fax**
- **Cancel Job**
- **Confidential Job**
- **Held Jobs**

- **Print Buffer**
- **Reset Active Bin**
- **Reset Printer**

## Cancel Fax

### Purpose:

To cancel outgoing faxes before they are transmitted or to cancel incoming faxes before they finish printing.

### Values:

R      Cancels an incoming fax. When the fax number for the sending machine is displayed, press **Select** to cancel the incoming fax.

D      Cancels an outgoing fax. When the fax number for the receiving machine is displayed, press **Select** to cancel the fax job. If the telephone number of the fax you want to cancel is not displayed, use the **Menu** 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.

## Cancel Job

### Purpose:

To cancel the current print job.

> **Note:** Cancel Job is only displayed if the printer is processing a job or has a job in printer memory.

# Confidential Job

## Purpose:

To print confidential jobs stored in printer memory. (When the Confidential Job prints, it is automatically deleted from printer memory.)

*First enter the Personal Identification Number (PIN) associated with your Confidential Job:*

| | |
|---|---|
| **Enter PIN** | Use the operator panel buttons to enter the PIN associated with your Confidential Job. |

*Then select a value:*

| | |
|---|---|
| **Print All Jobs** | Prints all jobs associated with your PIN. |
| **Print A Job** | Prints the specified Confidential Job. Press **Menu** to scroll through the list of confidential jobs associated with your PIN. Press **Select** to print a specific job. |
| **Delete All Jobs** | Deletes all jobs associated with your PIN. |
| **Delete A Job** | Deletes the specified Confidential Job. Press **Menu** to scroll through the list of Confidential Jobs associated with your PIN. Press **Select** to delete a specific job. |
| **Copies** | Determines the number of copies printed for each Confidential Job. Press **Menu** to scroll through the list of Confidential Jobs associated with your PIN. Press **Select** to specify the job you want to print. Press **Menu** to increase or decrease the number of copies, then press **Select**. |

# Held Jobs

## Purpose:

To print Reserve Print, Repeat Print, or Verify Print jobs stored in printer memory.

## Values:

| | |
|---|---|
| **Print All Jobs** | Prints all held jobs. |
| **Print A Job** | Prints the specified held job. Press **Menu** to scroll through the list of held jobs. Press **Select** to print the specific job. |
| **Delete All Jobs** | Deletes all held jobs. |
| **Delete A Job** | Deletes the designated held job. Press **Menu** to scroll through the list of held jobs. Press **Select** to delete the job. |
| **Copies** | Determines the number of copies for each held job. Press **Menu** to scroll through the list of held jobs. Press **Select** to specify the job you want to print. Press **Menu** to increase or decrease the number of copies, then press **Select**. |

# Print Buffer

## Purpose:

To print any data stored in the print buffer.

> **Note:** Print Buffer is only available when you enter the Job Menu while **Waiting** 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.

# Reset Active Bin

## Purpose:

To define the active bin as the start bin (the first bin to receive printed output) in a set of linked bins.

# Reset Printer

## Purpose:

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.

> **Note:** Before selecting Reset Printer, exit the software application you are using.

**39** **Infrared Menu**

Use the Infrared Menu to change printer settings affecting jobs sent to the printer through an infrared port.

Select a menu item for more details:

- **Infrared Buffer**
- **Infrared Port**
- **Job Buffering**
- **Max Baud Rate**
- **NPA Mode**

- **PCL SmartSwitch**
- **PS SmartSwitch**
- **Transmit Delay**
- **Window Size**

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

# Infrared Buffer

## Purpose:

To configure the size of the infrared input buffer.

## Values:

| | |
|---|---|
| **Disabled** | Disables job buffering. Any jobs already buffered on the disk are printed before normal processing of incoming jobs resumes. |
| **Auto\*** | Printer automatically calculates the Infrared Buffer size (recommended setting). |
| **5K to maximum size allowed** | User specifies the Infrared Buffer size. The maximum size setting 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 Infrared Buffer size, disable or reduce the size of the parallel, serial, network, LocalTalk, and USB buffers. |

**Note:** Changing the Infrared Buffer menu item automatically resets the printer.

## See also:

**Resource Save**

# Infrared Port

## Purpose:

To activate the infrared port.

## Values:

| | |
|---|---|
| **Disabled\*** | Disables the infrared port and all other menu items in the Infrared Menu. |
| **IR Option <x>** | Activates the specified infrared port. |

# Job Buffering

## Purpose:

To temporarily store jobs on the printer hard disk before printing.

## Values:

| | |
|---|---|
| **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. |

**Note:** Changing the Job Buffering menu item automatically resets the printer.

# Max Baud Rate

## Purpose:

To specify the rate at which data can be received through the infrared port.

## Values:

| | |
|---|---|
| **2400** | **115200** |
| **9600** | **576000** |
| **19200** | **1152000*** |
| **38400** | **4000000** |
| **57600** | |

The maximum baud possible for both the printer and the infrared adapter is automatically set during a power on reset. However, if your printer is situated in a bright or highly reflective environment, you may experience intermittent communication problems. If you do, select a lower baud for the infrared connection.

# NPA Mode

## Purpose:

To specify whether the printer performs the special processing required for bidirectional communication, following the conventions defined in the Network Printing Alliance (NPA) Protocol.

## Values:

| | |
|---|---|
| **Off** | Printer does not perform NPA processing. |
| **Auto*** | Printer examines the data to determine the format and then processes it appropriately. |

Changing this menu item automatically resets the printer.

# PCL SmartSwitch

### Purpose:

To configure the printer so it automatically switches to PCL emulation when a print job received through the infrared port requires it, regardless of the default printer language.

### Values:

| | |
|---|---|
| **On*** | Printer examines the data on the infrared interface and selects PCL emulation if the data indicates that is the required printer language. |
| **Off** | 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. |

### See also:

**PS SmartSwitch**; **Printer Language**

# PS SmartSwitch

### Purpose:

To configure the printer so it automatically switches to PostScript emulation when a print job received through the infrared port requires it, regardless of the default printer language.

### Values:

| | |
|---|---|
| **On*** | Printer examines data on the infrared interface and selects PostScript emulation if the data indicates that is the required printer language. |
| **Off** | 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. |

### See also:

**PCL SmartSwitch**; **Printer Language**

# Transmit Delay

## Purpose:

To define the amount of time, in seconds, the printer must wait before transmitting meaningful infrared data to the host computer, as well as the amount of time the printer requests that the host computer wait before transmitting infrared data.

## Values:

| | |
|---|---|
| **Auto*** | Printer sets the Transmit Delay value during a power on reset to maximize link performance (recommended). |
| **None** | No delay is imposed by the printer. However, not all hosts can communicate without some transmission delays. |
| **1...15** | User selects a Transmit Delay value between 1 and 15 seconds. If you have trouble printing using the infrared port, selecting a high Transmit Delay value, such as 15, may resolve the problem. |

# Window Size

## Purpose:

To specify the maximum number of infrared frames the printer can receive before sending an acknowledgment to the host computer.

## Values:

| | |
|---|---|
| **Auto*** | Printer sets the Window Size value during a power on reset to maximize link performance (recommended). |
| **1** | User sets the Window Size to one frame (1). If you have trouble printing using the infrared port, changing the Window Size menu item to 1 may resolve the problem. |

# 40 Finishing Menu

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

Select a menu item for more details:

- **Blank Pages**
- **Collation**
- **Copies**
- **Duplex**
- **Duplex Bind**
- **Hole Punch**
- **Multipage Border**
- **Multipage Order**

- **Multipage Print**
- **Multipage View**
- **Offset Pages**
- **Separator Sheets**
- **Separator Source**
- **Staple Job**
- **Staple Prime Src**

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

## Blank Pages

**Purpose:**

To specify whether to include application-generated blank pages as part of your printed output.

**Values:**

| | |
|---|---|
| **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. |

# Collation

## Purpose:

To keep the pages of a print job stacked in sequence, particularly when printing multiple copies of the job.

## Values:

| | |
|---|---|
| **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. |

# Copies

## Purpose:

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.)

## Values:

**1...999 (1\*)**

## See also:

**Collation**

# Duplex

## Purpose:

To set duplexing as the default for all print jobs. (Select Duplex from the printer driver to duplex only specific jobs.)

## Values:

| | |
|---|---|
| **Off\*** | Prints on one side of the paper. |
| **On** | Prints on both sides of the paper. |

## See also:

**Duplex Bind**

## Duplex Bind

### Purpose:

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).

### Values:

| | |
|---|---|
| **Long Edge*** | Assumes binding along the long end of the page (left edge for portrait orientation and top edge for landscape orientation). |
| **Short Edge** | Assumes binding along the short edge of the page (top edge for portrait orientation and left edge for landscape orientation). |

### See also:

**Duplex**

## Hole Punch

### Purpose:

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.)

### Values:

| | |
|---|---|
| **Off*** | Does not punch holes in printed output. |
| **On** | Punches holes in every printed page. |

## Multipage Border

### Purpose:

To print a border around each page image when using Multipage Print.

### Values:

| | |
|---|---|
| **None*** | Does not print a border around each page image. |
| **Solid** | Prints a solid line border around each page image. |

### See also:

**Multipage Print**

# Multipage Order

## Purpose:

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.

For example, if you select 4-Up multipage printing and portrait orientation, the results differ depending on the Multipage Order value you select:

| **Horizontal Order** | | **Vertical Order** | | **Reverse Horizontal Order** | | **Reverse Vertical Order** | |
|---|---|---|---|---|---|---|---|
| page 1 | page 2 | page 1 | page 3 | page 2 | page 1 | page 3 | page 1 |
| page 3 | page 4 | page 2 | page 4 | page 4 | page 3 | page 4 | page 2 |

## Values:

**Horizontal\***
**Vertical**
**Rev Horizontal**
**Rev Vertical**

## See also:

**Multipage Print**

# Multipage Print

### Purpose:

To print multiple page images on one side of a sheet of paper. Also called *n-up* or *Paper Saver.*

### Values:

| | | | |
|---|---|---|---|
| **Off*** | Prints 1 page image per side. | **6 Up** | Prints 6 page images per side. |
| **2 Up** | Prints 2 page images per side. | **9 Up** | Prints 9 page images per side. |
| **3 Up** | Prints 3 page images per side. | **12 Up** | Prints 12 page images per side. |
| **4 Up** | Prints 4 page images per side. | **16 Up** | Prints 16 page images per side. |

### See also:

**Multipage Border**; **Multipage Order**; **Multipage View**

# Multipage View

### Purpose:

To determine the orientation of a multipage sheet.

### Values:

| | |
|---|---|
| **Auto*** | Lets the printer choose between portrait and landscape orientation. |
| **Long Edge** | Sets the long edge of the paper as the top of the page (landscape). |
| **Short Edge** | Sets the short edge of the paper as the top of the page (portrait). |

### See also:

**Multipage Print**

# Offset Pages

### Purpose:

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 output bin.

### Values:

| | |
|---|---|
| **None*** | Stacks all sheets directly on top of each other. |
| **Between Copies** | Offsets each copy of a print job. |
| **Between Jobs** | Offsets each print job. |

# Separator Sheets

## Purpose:

To insert blank separator sheets between jobs, between multiple copies of a job, or between each page of a job.

## Values:

| | |
|---|---|
| **None*** | Does not insert separator sheets. |
| **Between Copies** | 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. |
| **Between Jobs** | Inserts a blank sheet between jobs. |
| **Between Pages** | 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. |

## See also:

**Separator Source**; **Collation**

# Separator Source

## Purpose:

To specify the paper source that holds separator sheets.

## Values:

| | |
|---|---|
| **Tray \<x> (Tray 1*)** | Selects separator sheets from the specified tray. |
| **MP Feeder** | Selects separator sheets from the multipurpose feeder. (You must also set Configure MP to Cassette.) |

## See also:

**Separator Sheets**; **Configure MP**

# Staple Job

## Purpose:

To set stapling as the default for all print jobs. (Select stapling from the printer driver if you want to staple only specific jobs.)

## Values:

| | |
|---|---|
| **Off*** | Does not staple print jobs. |
| **On** | Staples each print job sent to the printer. |

# Staple Prime Src

## Purpose:

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.

## Values:

| | |
|---|---|
| **Tray <x> (Tray 1*)** | Selects paper from the specified tray. |
| **MP Feeder** | Selects paper from the multipurpose feeder. |

# 41 Color Menu

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

Select a menu item for more details:

- **Color Correction**
- **Print Resolution**
- **Manual Color**
- **Toner Darkness**
- **Print Mode**

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

## Color Correction

### Purpose:

To adjust the printed color to better match the colors of other output devices or standard color systems.

### Values:

| | |
|---|---|
| **Auto*** | Applies different color correction to each object on the printed page depending upon the type of object and how the color for each object is specified. |
| **Vivid** | Applies a color correction algorithm that produces brighter, more saturated colors. |
| **Off** | No color correction is implemented. |
| **CMYK** | Applies color correction to approximate SWOP color output. |
| **Display** | Applies color correction to approximate the colors on a computer display. |

> **Note:** Due to the differences between additive and subtractive colors, certain colors that appear on your monitor are impossible to duplicate on your printer.

# Manual Color

## Purpose:

To let users customize color correction output from the operator panel.

## Values:

| | |
|---|---|
| **RGB Image** | **Vivid**: Applies a color correction algorithm that produces brighter, more saturated colors. May be selected for all incoming color formats. |
| | **sRGB Display***: Applies color correction to produce output that approximates the colors displayed on a computer monitor. |
| | **sRGB Vivid**: Increases color saturation for the sRGB Display color correction. |
| | **Off**: No color correction is implemented. |
| **RGB Text** | **Vivid** |
| | **sRGB Display** |
| | **sRGB Vivid*** |
| | **Off** |
| **RGB Graphics** | **Vivid** |
| | **sRGB Display** |
| | **sRGB Vivid*** |
| | **Off** |
| **CMYK Image** | **US CMYK:** Applies color correction to approximate SWOP color output. |
| | **Euro CMYK***: Applies color correction to approximate EuroScale color output. |
| | **Vivid:** Applies a color correction algorithm that produces brighter, more saturated colors. May be selected for all incoming color formats. |
| | **Vivid CMYK:** Increases color saturation for the US CMYK color correction. |
| | **Off:** No color correction is implemented. |
| **CMYK Text** | **US CMYK** |
| | **Euro CMYK*** |
| | **Vivid** |
| | **Vivid CMYK** |
| | **Off** |
| **CMYK Graphics** | **US CMYK** |
| | **Euro CMYK*** |
| | **Vivid** |
| | **Vivid CMYK** |
| | **Off** |

# Print Mode

## Purpose:

To determine whether images are printed in a monochrome grayscale or in color.

## Values:

**Color***

**Black & White**

> **Note:** Selections made in the Lexmark C750 PostScript or PCL drivers for Windows will override other selections.

# Print Resolution

## Purpose:

To define the number of dots printed per inch (dpi). The higher the value, the sharper the clarity of printed characters and graphics.

## Values:

| | |
|---|---|
| **2400 IQ*** | Provides the highest resolution for detailed line art or images. |
| **1200 dpi** | Provides high quality output for text and business graphics, such as line art and electronically generated charts. This setting also provides increased gloss. |

# Toner Darkness

## Purpose:

To lighten or darken text images, or conserve toner.

## Values:

| | |
|---|---|
| **1–5 (4*)** | 1 is lightest; 5 is darkest. |

Select a lower value for finer line width, higher definition in graphics, and lighter grayscale images. Select a higher value for bolder line widths or darker grayscale images. Select 5 for very bold text. Select a value less than 4 to conserve toner.

A vertical bar ( | ) indicates the factory default value. An arrow symbol ( V ) indicates a user default value.

# 42 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.

Select a menu item for more details:

- **Color Adjust**
- **Color Samples**
- **Defragment Flash**
- **Factory Defaults**
- **Format Disk**
- **Format Flash**
- **Hex Trace**

- **Job Acct Stat**
- **Print Demo**
- **Print Directory**
- **Print Fonts**
- **Print Menus**
- **Print Net <x> Setup**

## Color Adjust

**Purpose:**

To manually relinearize the color tables, adjusting for variations in output that occur as a result of environmental conditions.

## Color Samples

**Purpose:**

To assist in selecting colors used by certain applications.

## Defragment Flash

**Purpose:**

To retrieve storage area lost when resources are deleted from flash memory.

**Values:**

| | |
|---|---|
| **Yes** | 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. |
| **No** | Printer cancels the request to defragment the flash memory. |

**WARNING:** Do not turn off the printer while the flash is defragmenting.

## Factory Defaults

**Purpose:**

To return your printer settings to the factory default values.

**Values:**

| | |
|---|---|
| **Restore** | • All menu items are returned to the factory default values except:<br>– Display Language.<br>– All settings in the Parallel Menu, Serial Menu, Network Menu, Infrared Menu, LocalTalk Menu, and USB Menu.<br>• 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.) |
| **Do Not Restore** | User-defined settings remain. |

## Format Disk

**Purpose:**

To format the printer hard disk.

**Values:**

| | |
|---|---|
| **Yes** | Deletes any data stored on the hard disk and prepares the device to receive new resources. |
| **No** | Cancels the request to format the hard disk and leaves current resources stored on the disk. |

**WARNING:** Do not turn off the printer while the hard disk is formatting.

## Format Flash

### Purpose:

To format the flash memory.

### Values:

| | |
|---|---|
| **Yes** | Deletes any data stored in flash memory and prepares the flash memory to receive new resources. |
| **No** | Cancels the request to format the flash memory and leaves current resources stored in flash memory. |

**WARNING:** Do not turn off the printer while the flash is formatting.

## Hex Trace

### Purpose:

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.

To exit Hex Trace, turn the printer off or reset the printer from the Job Menu.

## Job Acct Stat

### Purpose:

To print a listing of all job statistics stored on the hard disk, or to clear all statistics on the disk.

### Values:

| | |
|---|---|
| **Print** | Prints all statistics available for the most recent print jobs. |
| **Clear** | Deletes all accumulated job statistics from the hard disk. |

### See also:

**Job Accounting**, **Job Acct Limit**

## Print Demo

### Purpose:

To view a list of the demo files available in printer memory, in flash memory, and on optional hard disk.

## Print Directory

### Purpose:

To print a list of all the resources stored in flash memory or on the hard disk.

> **Note:** 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%.

### See also:

*Technical Reference*

## Print Fonts

### Purpose:

To print a sample of all the fonts available for the selected printer language.

### Values:

| | |
|---|---|
| **PCL Fonts** | Prints a sample of all printer fonts available for PCL emulation. |
| **PS Fonts** | Prints a sample of all printer fonts available for PostScript emulation. |

## Print Menus

### Purpose:

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.

## Print Net <x> Setup

### Purpose:

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.

**43** **USB Menu**

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

Select a menu item for more details:

- **Job Buffering**
- **MAC Binary PS**
- **NPA Mode**

- **PCL SmartSwitch**
- **PS SmartSwitch**
- **USB Buffer**

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

## Job Buffering

### Purpose:

To temporarily store jobs on the printer hard disk before printing.

### Values:

| | |
|---|---|
| **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. |

> **Note:** Changing the Job Buffering menu item automatically resets the printer.

# MAC Binary PS

## Purpose:

To configure the printer to process Macintosh binary PostScript print jobs.

## Values:

| | |
|---|---|
| **On** | Printer processes raw binary PostScript print jobs from computers using the Macintosh operating system. |
| | **Note:** This setting often causes Windows print jobs to fail. |
| **Off** | Printer filters PostScript print jobs using standard protocol. |
| **Auto\*** | Printer processes print jobs from computers using either Windows or Macintosh operating systems. |

# NPA Mode

## Purpose:

To specify whether the printer performs the special processing required for bidirectional communication, following the conventions defined in the Network Printing Alliance (NPA) Protocol.

## Values:

| | |
|---|---|
| **On** | Printer performs NPA processing. If data is not in NPA format, it is rejected as bad data. |
| **Off** | Printer does not perform NPA processing. |
| **Auto\*** | Printer examines the data to determine the format and then processes it appropriately. |

**Note:** Changing this menu item automatically resets the printer.

# PCL SmartSwitch

## Purpose:

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.

## Values:

| | |
|---|---|
| **On\*** | Printer examines the data on the USB interface and selects PCL emulation if the data indicates that is the required printer language. |
| **Off** | 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. |

## See also:

**PS SmartSwitch**; **Printer Language**

# PS SmartSwitch

### Purpose:

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.

### Values:

| | |
|---|---|
| **On\*** | Printer examines data on the USB interface and selects PostScript emulation if the data indicates that is the required printer language. |
| **Off** | 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. |

### See also:

**PCL SmartSwitch**; **Printer Language**

# USB Buffer

### Purpose:

To configure the size of the USB input buffer.

### Values:

| | |
|---|---|
| **Disabled** | Job buffering is disabled. Any jobs already buffered on the disk are printed before normal processing of incoming jobs resumes. |
| **Auto\*** | Printer automatically calculates the USB Buffer size (recommended setting). |
| **3K to maximum size allowed** | 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, network, infrared, and LocalTalk buffers. |

**Note:** Changing the USB Buffer menu item automatically resets the printer.

### See also:

**Resource Save**

# 44 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.

Select a menu item for more details:

- **<color> Toner**

- **Oiler**

- **Waste Bottle**

## <color> Toner

### Purpose:

To view the status of the color print cartridges.

### Values:

**Low**
Change Cartridge

### See also:

**Replacing print cartridges**

## Oiler

### Purpose:

To view the status of the web oiler.

### Values:

**Nearly Exhausted**

## Waste Bottle

**Purpose:**

To view the status of the toner waste container.

**Values:**

      **Near Full**               The toner waste container is nearly full.

           **Note:** 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.

# 45 Setup Menu

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

Select a menu item for more details:

- **Alarm Control**
- **Auto Continue**
- **Display Language**
- **Download Target**
- **Hole Punch Alarm**
- **Jam Recovery**
- **Job Accounting**
- **Job Acct Limit**
- **Page Protect**

- **Power Saver**
- **Print Area**
- **Print Timeout**
- **Printer Language**
- **Printer Usage**
- **Resource Save**
- **Staple Alarm**
- **Toner Alarm**
- **Wait Timeout**

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

## Alarm Control

### Purpose:

To establish whether the printer sounds an alarm when the printer requires operator intervention.

### Values:

| | |
|---|---|
| **Off** | Printer does not sound an alarm. |
| **Single*** | Printer sounds three quick beeps. |
| **Continuous** | Printer repeats three beeps every 10 seconds. |

# Auto Continue

## Purpose:

To define the amount of time (in seconds) the printer waits after displaying an operator intervention error message before it resumes printing.

## Values:

| | |
|---|---|
| **Disabled*** | Printer does not resume printing until someone clears the error message. |
| **5...255** | 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. |

# Display Language

## Purpose:

To determine the language of the text on the operator panel display.

## Values:

| | | |
|---|---|---|
| **English** | **Norsk** | **Russian** |
| **Français** | **Nederlands** | **Polski** |
| **Deutsch** | **Svenska** | **Hungarian** |
| **Italiano** | **Português** | **Turkish** |
| **Español** | **Suomi** | **Czech** |
| **Dansk** | **Japanese** | |

>    **Note:** All values may not be available.

# Download Target

## Purpose:

To specify the storage location for downloaded resources.

## Values:

| | |
|---|---|
| **RAM*** | All downloaded resources are automatically stored in printer memory (RAM). |
| **Flash** | All downloaded resources are automatically stored in flash memory. |
| **Disk** | All downloaded resources are automatically stored on the hard disk. |

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. Use MarkVision to download resources to the printer.

# Hole Punch Alarm

## Purpose:

To specify how the printer responds when the hole punch box becomes full.

## Values:

| | |
|---|---|
| **Off\*** | `Hole Punch Waste Full` 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. |
| **Single** | Printer stops printing, displays `Hole Punch Waste Full`, and sounds three quick beeps. |
| **Continuous** | Printer stops printing, displays `Hole Punch Waste Full`, and repeats three beeps every 10 seconds until the hole punch box is emptied. |

## See also:

**Auto Continue**

# Jam Recovery

## Purpose:

To establish whether the printer reprints jammed pages.

## Values:

| | |
|---|---|
| **On** | Printer reprints jammed pages. |
| **Off** | Printer does not reprint jammed pages. |
| **Auto\*** | Printer reprints a jammed page unless the memory required to hold the page is needed for other printer tasks. |

# Job Accounting

## Purpose:

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.

## Values:

| | |
|---|---|
| **Off*** | Printer does not store job statistics on disk. |
| **On** | Printer stores job statistics for the most recent print jobs. |

> **Note:** 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%.

## See also:

**Job Acct Limit**; **Job Acct Stat**

# Job Acct Limit

## Purpose:

To specify the number of print jobs for which statistics are maintained on your printer hard disk.

## Values:

| | |
|---|---|
| **Disabled** | Stores statistics for each print job until the hard disk is full. |
| **10...1000 (1000*)** | Stores statistics for the specified number of print jobs. |

If you set Job Acct Limit to 10, the statistics from the 10 most recent print jobs are stored on the hard disk. When the limit is reached, statistics for the oldest print job are discarded and replaced with the statistics from the current print job. If you change the Job Accounting Limit, all job statistics currently stored on the hard disk are deleted.

> **Note:** Job Acct Limit is only displayed when a hard disk is installed, is neither defective nor Read/Write or Write protected, Job Buffer Size is not set to 100%, and Job Accounting is set to On.

## See also:

**Job Accounting**, **Job Acct Stat**

# Page Protect

## Purpose:

To successfully print a page that may otherwise generate `Complex Page` errors.

## Values:

| | |
|---|---|
| **Off*** | Prints a partial page of data if memory is insufficient to process the entire page. |
| **On** | Ensures that an entire page is processed before it prints. |

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.

For most print jobs, you do not need to select On. When On is selected, printing may be slower.

# Power Saver

## Purpose:

To specify the amount of time (in minutes) the printer waits after a job is printed before it goes into a reduced power state.

## Values:

| | |
|---|---|
| **1...240** | 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.) |

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.

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.

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.

# Print Area

## Purpose:

To modify the logical and physical printable area.

## Values:

**Normal***

**Fit to Page**

**Whole Page**

> **Note:** 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.

## See also:

*Technical Reference*

# Print Timeout

## Purpose:

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 `Waiting` is displayed.

## Values:

| | |
|---|---|
| **Disabled** | The printer does not print the last page of a print job until one of the following occurs:<br>• The printer receives enough information to fill the page.<br>• The printer receives a Form Feed command.<br>• You select Print Buffer from the Job Menu. |
| **1...255 (90*)** | The printer prints the last page after the specified time. (Your printer may not support the entire range of values.) |

# Printer Language

## Purpose:

To establish the default printer language used to communicate data from the computer to the printer.

## Values:

| | |
|---|---|
| **PCL Emulation** | PCL emulation, compatible with Hewlett-Packard printers. |
| **PS Emulation*** | PostScript emulation, compatible with Adobe PostScript language. |

> **Note:** Setting a printer language as the default does not prevent a software application from sending print jobs that use the other language.

# Printer Usage

## Purpose:

To determine the behavior of the image transfer unit during printing.

## Values:

| | |
|---|---|
| **Max Speed*** | The image transfer unit is engaged throughout the print job. |
| **Max Yield** | The image transfer unit position is engaged based on page content. This may extend the life of certain print supplies. |

# Resource Save

## Purpose:

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.

## Values:

| | |
|---|---|
| **Off*** | Printer retains downloaded resources only until memory is needed. It then deletes those resources associated with the inactive printer language. |
| **On** | Printer retains all downloaded resources for all printer languages during language changes and printer resets. If the printer runs out of memory, `38 Memory Full` is displayed. |

# Staple Alarm

## Purpose:

To specify how the printer responds when it is out of staples.

## Values:

| | |
|---|---|
| **Off*** | `Load Staples` 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. |
| **Single** | Printer stops printing, displays `Load Staples`, and sounds three quick beeps. |
| **Continuous** | Printer stops printing, displays `Load Staples`, and repeats three beeps every 10 seconds until the staple cartridge is replaced. |

## See also:

**Auto Continue**

# Toner Alarm

## Purpose:

To specify how the printer responds when it is low on toner.

## Values:

| | |
|---|---|
| **Off*** | 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. |
| **Single** | Printer stops printing, displays an error message, and sounds three quick beeps. |
| **Continuous** | Printer stops printing, displays an error message, and repeats three beeps every 10 seconds until the toner cartridge is replaced. |

## See also:

**Auto Continue**

# Wait Timeout

## Purpose:

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.

## Values:

| | |
|---|---|
| **Disabled** | Disables Wait Timeout. |
| **15...65535 (40\*)** | Specifies the amount of time the printer waits for additional data before it cancels the job. |

> **Note:** Wait Timeout is only available when you use PostScript emulation. This menu item has no effect on PCL emulation print jobs.

# 46 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>).

Select a menu item for more details:

- **Baud**
- **Data Bits**
- **Honor DSR**
- **Job Buffering**
- **NPA Mode**
- **Parity**
- **PCL SmartSwitch**

- **PS SmartSwitch**
- **Robust XON**
- **RS-232/RS-422**
- **RS-422 Polarity**
- **Serial Buffer**
- **Serial Protocol**

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

# Baud

## Purpose:

To specify the rate at which data can be received through the serial port.

## Values:

| | |
|---|---|
| **1200** | **57600** |
| **2400** | **115200** |
| **4800** | **138200** |
| **9600*** | **172800** |
| **19200** | **230400** |
| **38400** | **345600** |

## See also:

*Technical Reference*

# Data Bits

## Purpose:

To specify the number of data bits that are sent in each transmission frame.

## Values:

**7**

**8***

## See also:

*Technical Reference*

# Honor DSR

## Purpose:

To determine whether the printer uses the Data Set Ready (DSR) signal. DSR is one of the handshaking signals for most serial interface cables.

## Values:

| | |
|---|---|
| **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. |

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.

# Job Buffering

## Purpose:

To temporarily store jobs on the printer hard disk before printing.

## Values:

| | |
|---|---|
| **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. |

> **Note:** Changing the Job Buffering menu item automatically resets the printer.

# NPA Mode

## Purpose:

To specify whether the printer performs the special processing required for bidirectional communication, following the conventions defined in the Network Printing Alliance (NPA) Protocol.

## Values:

| | |
|---|---|
| **On** | Printer performs NPA processing. If data is not in NPA format, it is rejected as bad data. |
| **Off** | Printer does not perform NPA processing. |
| **Auto\*** | Printer examines the data to determine the format and then processes it appropriately. |

> **Note:** Changing this menu item automatically resets the printer.

# Parity

### Purpose:

To select the parity for serial input and output data frames.

### Values:

**Even**

**Odd**

**None***

**Ignore**

### See also:

*Technical Reference*

# PCL SmartSwitch

### Purpose:

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.

### Values:

**On***     Printer examines data on the serial interface and selects PCL emulation if the data indicates that is the required printer language.

**Off**     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.

### See also:

**PS SmartSwitch**; **Printer Language**

## PS SmartSwitch

### Purpose:

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.

### Values:

| | |
|---|---|
| On* | Printer examines data on the serial interface and selects PostScript emulation if the data indicates that is the required printer language. |
| Off | 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. |

### See also:

**PCL SmartSwitch**; **Printer Language**

## Robust XON

### Purpose:

To determine whether the printer communicates availability to the computer.

### Values:

| | |
|---|---|
| Off* | Printer waits to receive data from the computer. |
| On | Printer sends a continuous stream of XONs to the host computer to indicate that the serial port is ready to receive more data. |

This menu item only applies to the serial port if Serial Protocol is set to XON/XOFF.

## RS-232/RS-422

### Purpose:

To specify the type of serial communication.

### Values:

**RS-232***

**RS-422**

> **Note:** Selecting RS-422 automatically sets Serial Protocol to XON/XOFF.

## RS-422 Polarity

### Purpose:

To establish the behavior of the positive and negative signals when using RS-422 serial communication.

### Values:

| | |
|---|---|
| **Normal*** | Uses default definition of one and zero. |
| **Reverse** | Reverses the definition of one and zero, thereby allowing a positive connection to a host's negative terminal without changing the physical cable. |

## Serial Buffer

### Purpose:

To configure the size of the serial input buffer.

### Values:

| | |
|---|---|
| **Disabled** | Disables job buffering. Any jobs already buffered on the disk are printed before normal processing of incoming jobs resumes. |
| **Auto*** | Printer automatically calculates the Serial Buffer size (recommended setting). |
| **3K to maximum size allowed** | 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, infrared, LocalTalk, and USB buffers. |

**Note:** Changing the Serial Buffer menu item automatically resets the printer.

### See also:

**Resource Save**

*167*

# Serial Protocol

## Purpose:

To select the hardware and software handshaking values for the serial interface.

## Values:

| | |
|---|---|
| **DTR*** | Hardware handshaking. |
| **DTR/DSR** | Hardware handshaking. |
| **XON/XOFF** | Software handshaking. |
| **XON/XOFF/DTR** | Combined hardware and software handshaking. |
| **XONXOFF/DTRDSR** | Combined hardware and software handshaking. |

## See also:

*Technical Reference*

# 47 PostScript Menu

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

Select a menu item for more details:

- **Font Priority**

- **Image Smoothing**

- **Print PS Error**

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

## Font Priority

### Purpose:

To establish the font search order.

### Values:

| | |
|---|---|
| **Resident*** | Printer searches printer memory for the requested font before searching flash memory or hard disk. |
| **Flash/Disk** | Printer searches the hard disk and flash memory for the requested font before searching printer memory. |

> **Note:** 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%.

# Image Smoothing

## Purpose:

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.

## Values:

**Off\***      Uses default resolution when printing all images.

**On**      Enhances low resolution images, such as graphics with a resolution of 72 dpi.

> **Note:** Image Smoothing has no effect on images that are 300 dpi or higher resolution.

# Print PS Error

## Purpose:

To print a page defining the PostScript emulation error when an error occurs.

## Values:

**Off\***      Discards the print job without printing an error message.

**On**      Prints an error message before it discards the job.

# 48 PCL Emul Menu

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

Select a menu item for more details:

- **A4 Width**
- **Auto CR after LF**
- **Auto LF after CR**
- **Font Name**
- **Font Source**
- **Lines per Page**

- **Orientation**
- **Pitch**
- **Point Size**
- **Symbol Set**
- **Tray Renumber**

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

## A4 Width

**Purpose:**

To select the width of the logical page for A4 size paper.

**Values:**

| | |
|---|---|
| **198 mm*** | Makes the logical page compatible with the Hewlett-Packard LaserJet 5 Printer. |
| **203 mm** | Makes the logical page wide enough to print eighty 10-pitch characters. |

# Auto CR after LF

## Purpose:

To specify whether the printer automatically performs a carriage return after a line feed control command.

## Values:

**Off***      Printer does not perform a carriage return after a line feed control command.

**On**         Printer performs a carriage return after a line feed control command.

# Auto LF after CR

## Purpose:

To specify whether the printer automatically performs a line feed after a carriage return control command.

## Values:

**Off***      Printer does not perform a line feed after a carriage return control command.

**On**         Printer performs a line feed after a carriage return control command.

# Font Name

## Purpose:

To choose a specific font from the specified font source.

## Values:

**R0 Courier 10***

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.

## See also:

**Font Source**

*172*

# Font Source

### Purpose:

To determine the set of fonts displayed in the Font Name menu item.

### Values:

| | |
|---|---|
| **Resident*** | Displays all fonts resident in printer RAM when the printer ships from the factory. |
| **Download** | Displays all fonts downloaded to printer RAM. |
| **Flash** | Displays all fonts stored in flash memory. |
| **Disk** | Displays all fonts stored on the printer hard disk. |
| **All** | Displays all fonts available to the printer from all sources. |

### See also:

**Font Name**

# Lines per Page

### Purpose:

To determine the number of lines that print on each page.

### Values:

**1...255**

**60* (country-specific factory default values)**

**64* (country-specific factory default values)**

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.

### See also:

**Orientation**; **Paper Size**

# Orientation

### Purpose:

To determine how text and graphics are oriented on the page.

### Values:

**Portrait*** Prints text and graphics parallel to the short edge of the paper.

**Landscape** Prints text and graphics parallel to the long edge of the paper.

# Pitch

### Purpose:

To specify the font pitch for scalable monospaced fonts.

### Values:

**0.08...100 (in increments of 0.01 cpi)**

**10***

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.

> **Note:** Pitch is only displayed for fixed, or monospaced, fonts.

# Point Size

### Purpose:

To change the point size for scalable typographic fonts.

### Values:

**1...1008 (in increments of 0.25 points)**

**12***

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.

> **Note:** Point Size is only displayed for typographic fonts.

# Symbol Set

## Purpose:

To choose a symbol set for a specified font name.

## Values:

**10U PC-8\* (country-specific factory default values)**

**12U PC-850\* (country-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.

## See also:

**Font Name**

# Tray Renumber

## Purpose:

To configure your printer to work with printer drivers or applications that use different source assignments for the paper trays.

*First select a paper source:*

| | |
|---|---|
| **Assign Tray <x>** | **Assign Man Env** |
| **Assign MP Feeder** | **Assign Man Paper** |

*Then select a value:*

| | |
|---|---|
| **Off\*** | Printer uses factory default paper source assignments. |
| **0...199** | Select a numeric value to assign a custom value to a paper source. |
| **None** | Paper source ignores the Select Paper Feed command. |

*Other Tray Renumber selections*:

| | |
|---|---|
| **View Factory Def** | Press **Menu** to display the factory default value assigned to each paper source. |
| **Restore Defaults** | Select Yes to return all tray assignments to factory default values. |

**Note:** Refer to the *Technical Reference* for more information about assigning source numbers.

# 49 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>).

Select a menu item for more details:

- **Advanced Status**
- **Honor Init**
- **Job Buffering**
- **NPA Mode**
- **Parallel Buffer**

- **Parallel Mode 1**
- **Parallel Mode 2**
- **PCL SmartSwitch**
- **PS SmartSwitch**
- **Protocol**

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

## Advanced Status

**Purpose:**

To enable bidirectional communication through the parallel port.

**Values:**

| | |
|---|---|
| **Off** | Disables parallel port negotiation. |
| **On*** | Enables bidirectional communication through the parallel interface. |

# Honor Init

## Purpose:

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.

## Values:

| | |
|---|---|
| **Off*** | Printer does not honor hardware initialization requests from the computer. |
| **On** | Printer honors hardware initialization requests from the computer. |

# Job Buffering

## Purpose:

To temporarily store jobs on the printer hard disk before printing.

## Values:

| | |
|---|---|
| **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. |

> **Note:** Changing the Job Buffering menu item automatically resets the printer.

# NPA Mode

## Purpose:

To specify whether the printer performs the special processing required for bidirectional communication, following the conventions defined in the Network Printing Alliance (NPA) Protocol.

## Values:

| | |
|---|---|
| **On** | Printer performs NPA processing. If data is not in NPA format, it is rejected as bad data. |
| **Off** | Printer does not perform NPA processing. |
| **Auto*** | Printer examines data and determines the format and then processes it appropriately. |

> **Note:** Changing this menu item automatically resets the printer.

# Parallel Buffer

## Purpose:

To configure the size of the parallel input buffer.

## Values:

| | |
|---|---|
| **Disabled** | Disables job buffering. Any jobs already buffered on the disk are printed before normal processing of incoming jobs resumes. |
| **Auto\*** | Printer automatically calculates the Parallel Buffer size (recommended setting). |
| **3K to maximum size allowed** | 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, infrared, LocalTalk, and USB buffers. |

**Note:** Changing the Parallel Buffer menu item automatically resets the printer.

## See also:

**Resource Save**

# Parallel Mode 1

## Purpose:

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.

## Values:

| | |
|---|---|
| **On** | Disables the resistors. |
| **Off\*** | Enables the resistors. |

# Parallel Mode 2

## Purpose:

To determine whether the parallel port data is sampled on the leading or trailing edge of strobe.

## Values:

| | |
|---|---|
| **On\*** | Samples parallel port data on the leading edge of strobe. |
| **Off** | Samples parallel port data on the trailing edge of strobe. |

# PCL SmartSwitch

### Purpose:

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.

### Values:

| | |
|---|---|
| **On*** | Printer examines data on the parallel interface and selects PCL emulation if the data indicates that is the required printer language. |
| **Off** | 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. |

### See also:

**Printer Language**; **PS SmartSwitch**

# PS SmartSwitch

### Purpose:

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.

### Values:

| | |
|---|---|
| **On*** | Printer examines data on the parallel interface and selects PostScript emulation if the data indicates that is the required printer language. |
| **Off** | 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. |

### See also:

**PCL SmartSwitch**; **Printer Language**

# Protocol

## Purpose:

To specify the parallel interface protocol.

## Values:

| | |
|---|---|
| **Standard** | May resolve some parallel interface problems. |
| **Fastbytes*** | Provides compatibility with most existing parallel interface implementations (recommended setting). |

## See also:

*Technical Reference*

# **50** Paper Menu

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

Select a menu item for more details:

- **Assign Type/Bin**
- **Configure Bins**
- **Configure MP**
- **Custom Types**
- **Output Bin**
- **Overflow Bin**
- **Paper Loading**

- **Paper Size**
- **Paper Source**
- **Paper Texture**
- **Paper Type**
- **Paper Weight**
- **Substitute Size**
- **Universal Setup**

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

# Assign Type/Bin

## Purpose:

To send print jobs to a specific output bin based on the requested paper type.

## Values (for Standard Bin* and Bin <x>):

| | |
|---|---|
| **Plain Paper Bin** | **Envelope Bin** |
| **Card Stock Bin** | **Letterhead Bin** |
| **Transparency Bin** | **Preprinted Bin** |
| **Glossy Bin** | **Colored Bin** |
| **Labels Bin** | **Custom <x> Bin (where <x> represents 1 through 6)** |
| **Bond Bin** | |

> **Note:** 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.

# Configure Bins

## Purpose:

To determine which output bin(s) the printer uses for a particular job.

## Values:

| | |
|---|---|
| **Mailbox*** | Sends print jobs to the output bin designated for that user. |
| **Link** | 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. |
| **Mail Overflow** | Sends print jobs to the output bin designated for that user until it is full, and then sends jobs to the designated overflow bin. |
| **Link Optional** | Links all optional output bins as though they were one large bin, while leaving the standard bin individually addressable. |
| **Type Assignment** | Sends each job to the output bin specified for that paper type. |

## Configure MP

### Purpose:

To determine when the printer selects paper loaded in the multipurpose feeder.

### Values:

| | |
|---|---|
| **Cassette\*** | 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. |
| **Manual** | Printer treats the multipurpose feeder like a manual feed tray, and displays `Load Manual` when you need to insert a single sheet of paper in the feeder. |
| **First** | Printer pulls paper from the multipurpose feeder until it is empty, regardless of the paper source or paper size requested for the job. |

## Custom Types

### Purpose:

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):

| | |
|---|---|
| **Paper\*** | **Glossy** |
| **Card Stock** | **Labels** |
| **Transparency** | **Envelope** |

> **Note:** 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.

## Output Bin

### Purpose:

To specify the default bin for printed material.

### Values:

**Standard Bin\***

**Bin <x>**

> **Note:** 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.

# Overflow Bin

## Purpose:

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.

## Values:

**Standard Bin***

**Bin <x>**

> **Note:** 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.

# Paper Loading

## Purpose:

To properly handle preprinted paper loaded in a tray, whether the job is a duplexed job or a single-sided job.

## Values:

*First select a paper type:*

| | | | |
|---|---|---|---|
| **Card Stock Load** | **Colored Loading** | **Ltrhead Loading** | **Bond Loading** |
| **Labels Loading** | **Custom <x> Loading** | **Preprint Loading** | |

*Then select a value:*

| | |
|---|---|
| **Duplex** | 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. |
| **Off*** | Printer assumes preprinted material is loaded for single-sided printing. Duplexed jobs may not print properly. |

> **Note:** If a user-defined name is available, it is displayed instead of Custom <x> Loading. The name is truncated to 14 characters.

# Paper Size

## Purpose:

To identify the default paper size for each paper source. For trays with automatic size sensing, only the value detected by the hardware is displayed.

## Values:

*First select a paper source*:

| | |
|---|---|
| **Tray <x> Size** | **MP Feeder Size** |
| **Manual Pap Size** | **Manual Env Size** |

*Then select a value (\*denotes country-specific factory default values):*

| | | | |
|---|---|---|---|
| **Letter\*** | **A4\*** | **10 Envelope\*** | **7 3/4 Envelope** |
| **Legal** | **A5** | **9 Envelope** | **DL Envelope\*** |
| **Executive** | **B5** | **B5 Envelope** | **C5 Envelope** |
| **Statement** | **Folio** | **Other Envelope** | |
| **Universal** | Select Universal when you load paper that does not match any of the other available sizes. The printer automatically formats the page for the maximum possible size. You can then set the actual page size from your application software. | | |

> **Note:** Size sensing must be turned off for Statement and Folio values to appear.

# Paper Source

## Purpose:

To identify the default paper source.

## Values:

**Tray <x> (Tray 1\*)**

**MP 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.

# Paper Texture

## Purpose:

To identify the texture of the paper loaded in a specific source and to ensure that characters print clearly.

## Values:

*First select a paper type:*

| | | | |
|---|---|---|---|
| **Plain Texture** | **Preprint Texture** | **Labels Texture** | **Ltrhead Texture** |
| **Card Stock Text** | **Colored Texture** | **Bond Texture** | **Glossy** |
| **Trnsprncy Text** | **Custom <x> Texture** | **Envelope Texture** | |

*Then select a value:*

**Smooth**

**Normal***

**Rough**

> **Note:** 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.

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.

## See also:

**Paper Type**; **Paper Weight**

# Paper Type

## Purpose:

To identify the type of paper installed in each paper source.

## Values:

*First select a paper source:*

| | |
|---|---|
| **Tray <x> Type** | **MP Feeder Type** |
| **Manual Pap Type** | **Manual Env Type** |

*Then select a value:*

| | | | |
|---|---|---|---|
| **Plain Paper** | **Labels** | **Preprinted** | **Envelope** |
| **Card Stock** | **Bond** | **Custom Type <x>** | **Colored Paper** |
| **Transparency** | **Letterhead** | **Glossy** | |

The Paper Type default for each envelope source is Envelope. The Paper Type default for each paper tray is as follows*:*

| | |
|---|---|
| **Tray 1**–Plain Paper | **Tray 4**–Custom Type 4 |
| **Tray 2**–Custom Type 2 | **Tray 5**–Custom Type 5 |
| **Tray 3**–Custom Type 3 | **Manual Pap Type**–Plain Paper |

> **Note:** 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 Paper Type value list.

Use this menu item to:

- Optimize print quality for the specified paper.
- Select paper sources through your software application by selecting type and size.
- 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.

# Paper Weight

## Purpose:

To identify the relative weight of the paper loaded in a specific source and ensure that the toner adheres properly to the printed page.

## Values:

*First select a paper type:*

| | | | |
|---|---|---|---|
| **Plain Weight** | **Preprint Weight** | **Bond Weight** | **Labels Weight** |
| **CardStock Weight** | **Colored Weight** | **Envelope Weight** | **Ltrhead Weight** |
| **Trnsprncy Weight** | **Custom <x> Weight** | **Glossy** | |

*Then select a value:*

**Light**

**Normal***

**Heavy**

> **Note:** If a user-defined name is available, it is displayed instead of Custom <x> Weight. The name is truncated to 14 characters.

# Substitute Size

## Purpose:

To have the printer substitute the specified paper size if the requested size is not loaded.

## Values:

| | |
|---|---|
| **Off** | Printer prompts the user to load the requested paper size. |
| **Statement/A5** | 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. |
| **Letter/A4** | 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. |
| **All Listed*** | Substitutes Letter/A4. |

# Universal Setup

## Purpose:

To determine the default size when the Paper Size setting for a tray or feeder is Universal.

## Values:

*First select a unit of measure (\* denotes a country-specific factory default value):*

**Inches**\*

**Millimeters**\*

*Then select the values:*

| | | |
|---|---|---|
| **Portrait Width** | =3.00–14.17 in. | =76–360 mm |
| | (8.5 in.\*) | (216 mm\*) |
| **Portrait Height** | =3.00–14.17 in. | =76–360 mm |
| | (14.17 in.\*) | (360 mm\*) |
| **Feed Direction** | =Short Edge\* | |
| | =Long Edge | |

# 51 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>).

Select a menu item for more details:

- **Job Buffering**
- **MAC Binary PS**
- **Network Buffer**
- **Network <x> Setup**

- **NPA Mode**
- **PCL SmartSwitch**
- **PS SmartSwitch**
- **Std Net Setup**

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

## Job Buffering

**Purpose:**

To temporarily store jobs on the printer hard disk before printing.

**Values:**

| | |
|---|---|
| **Off\*** | Does not buffer 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. |

> **Note:** Changing the Job Buffering menu item automatically resets the printer.

# MAC Binary PS

### Purpose:

To configure the printer to process Macintosh binary PostScript print jobs.

### Values:

| | |
|---|---|
| **On** | Printer processes raw binary PostScript print jobs from computers using the Macintosh operating system. |
| | **Note:** This setting often causes Windows print jobs to fail. |
| **Off** | Printer filters PostScript print jobs using standard protocol. |
| **Auto\*** | Printer processes print jobs from computers using either Windows or Macintosh operating systems. |

# Network Buffer

### Purpose:

To configure the size of the network input buffer.

### Values:

| | |
|---|---|
| **Auto\*** | Printer automatically calculates the Network Buffer size (recommended setting). |
| **3K to maximum size allowed** | 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, infrared, LocalTalk, and USB buffers. |

**Note:** Changing the Network Buffer menu item automatically resets the printer.

### See also:

**Resource Save**

# Network <x> Setup

### Purpose:

To configure an internal print server.

### Values:

Values for this menu item are supplied by the specific print server. Select the menu item to see the available values.

**Note:** Refer to the documentation on the drivers CD for more information.

## NPA Mode

### Purpose:

To specify whether the printer performs the special processing required for bidirectional communication, following the conventions defined in the Network Printing Alliance (NPA) Protocol.

### Values:

| | |
|---|---|
| **Off** | Printer does not perform NPA processing. |
| **Auto**\* | Printer examines the data to determine the format and then processes it appropriately. |

> **Note:** Changing this menu item automatically resets the printer.

## PCL SmartSwitch

### Purpose:

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.

### Values:

| | |
|---|---|
| **On**\* | Printer examines data on the network interface and selects PCL emulation if the data indicates that is the required printer language. |
| **Off** | 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. |

### See also:

**PS SmartSwitch**; **Printer Language**

## PS SmartSwitch

### Purpose:

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.

### Values:

| | |
|---|---|
| **On\*** | Printer examines data on the network interface connection and selects PostScript emulation if the data indicates that is the required printer language. |
| **Off** | 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. |

### See also:

**PCL SmartSwitch**; **Printer Language**

## Std Net Setup

### Purpose:

To configure an internal print server.

### Values:

Values for this menu item are supplied by the specific print server. Select the menu item to see the available values.

> **Note:** Refer to the documentation on the drivers CD for more information.

# 52 **Understanding fonts**

## *Resident fonts*

Your printer is equipped with resident fonts stored permanently in printer memory. Different fonts are available in PCL 6 and PostScript 3 emulations. Some of the most popular typefaces, like Courier and Times New Roman, are available for all printer languages.

The fonts in the PCL emulation are compatible with the fonts in the HP4500 and include four additional fonts and many extra symbol sets to support extra languages and applications. The fonts in the PostScript emulation are compatible with Adobe PostScript 3 and include 20 additional fonts.

The following tables list all the fonts resident in your printer. See **Printing sample fonts** for instructions on how to print samples of the fonts. You can select the resident fonts from your software application, or from the operator panel if you are using PCL 6 emulation.

| PCL 6 emulation | PostScript 3 emulation |
| --- | --- |
| Albertus Medium | AlbertusMT |
|  | AlbertusMT-Italic |
|  | AlbertusMT-Light |
| Albertus Extra Bold |  |
| Antique Olive | AntiqueOlive-Roman |
| Antique Olive Italic | AntiqueOlive-Italic |
| Antique Olive Bold | AntiqueOlive-Bold |
|  | AntiqueOlive-Compact |
| Arial | ArialMT |
| Arial Italic | Arial-ItalicMT |
| Arial Bold | Arial-BoldMT |
| Arial Bold Italic | Arial-BoldItalicMT |
| ITC Avant Garde Book | AvantGarde-Book |
| ITC Avant Garde Book Oblique | AvantGarde-BookOblique |
| ITC Avant Garde Demi | AvantGarde-Demi |
| ITC Avant Garde Demi Oblique | AvantGarde-DemiOblique |
| ITC Bookman Light | Bookman-Light |
| ITC Bookman Light Italic | Bookman-LightItalic |
| ITC Bookman Demi | Bookman-Demi |

| PCL 6 emulation | PostScript 3 emulation |
|---|---|
| ITC Bookman Demi Italic | Bookman-DemiItalic |
| Clarendon Condensed Bold | |
| Coronet | Coronet-Regular |
| CourierPS | Courier |
| CourierPS Oblique | Courier-Oblique |
| CourierPS Bold | Courier-Bold |
| CourierPS Bold Oblique | Courier-BoldOblique |
| CG Omega | |
| CG Omega Bold | |
| CG Omega Italic | |
| CG Omega Bold Italic | |
| Garamond Antiqua | Garamond-Antiqua |
| Garamond Halbfett | Garamond-Halbfett |
| Garamond Kursiv | Garamond-Kursiv |
| Garamond Kursiv Halbfett | Garamond-KursivHalbfett |
| Helvetica Light | Helvetica-Light |
| Helvetica Light Oblique | Helvetica-LightOblique |
| Helvetica Black | Helvetica-Black |
| Helvetica Black Oblique | Helvetica-BlackOblique |
| Helvetica | Helvetica |
| Helvetica Italic | Helvetica-Oblique |
| Helvetica Bold | Helvetica-Bold |
| Helvetica Bold Italic | Helvetica-BoldOblique |
| Helvetica Narrow | Helvetica-Narrow |
| Helvetica Narrow Italic | Helvetica-Narrow-Oblique |
| Helvetica Narrow Bold | Helvetica-Narrow-Bold |
| Helvetica Narrow Bold Italic | Helvetica-Narrow-BoldOblique |
| CG Times | Intl-CG-Times |
| CG Times Italic | Intl-CG-Times-Italic |
| CG Times Bold | Intl-CG-Times-Bold |
| CG Times Bold Italic | Intl-CG-Times-BoldItalic |
| Univers Medium | Intl-Univers-Medium |
| Univers Medium Italic | Intl-Univers-MediumItalic |
| Univers Bold | Intl-Univers-Bold |
| Univers Bold Italic | Intl-Univers-BoldItalic |
| Courier | Intl-Courier |
| Courier Italic | Intl-Courier-Oblique |

| PCL 6 emulation | PostScript 3 emulation |
|---|---|
| Courier Bold | Intl-Courier-Bold |
| Courier Bold Italic | Intl-Courier-BoldOblique |
| Letter Gothic | LetterGothic |
| Letter Gothic Italic | LetterGothic-Slanted |
| Letter Gothic Bold | LetterGothic-Bold |
|  | LetterGothic-BoldSlanted |
| Marigold | Marigold |
| Century Schoolbook Roman | NewCenturySchlbk-Roman |
| Century Schoolbook Italic | NewCenturySchlbk-Italic |
| Century Schoolbook Bold | NewCenturySchlbk-Bold |
| Century Schoolbook Bold Italic | NewCenturySchlbk-BoldItalic |
|  | Optima |
|  | Optima-Bold |
|  | Optima-BoldItalic |
|  | Optima-Italic |
| Palatino Roman | Palatino-Roman |
| Palatino Italic | Palatino-Italic |
| Palatino Bold | Palatino-Bold |
| Palatino Bold Italic | Palatino-BoldItalic |
| SymbolPS | Symbol |
| Symbol |  |
| Times Roman | Times-Roman |
| Times Italic | Times-Italic |
| Times Bold | Times-Bold |
| Times Bold Italic | Times-BoldItalic |
| Times New Roman | TimesNewRomanPSMT |
| Times New Roman Italic | TimesNewRomanPS-ItalicMT |
| Times New Roman Bold | TimesNewRomanPS-BoldMT |
| Times New Roman Bold Italic | TimesNewRomanPS-BoldItalicMT |
|  | Univers |
|  | Univers-Oblique |
|  | Univers-Bold |
|  | Univers-BoldOblique |
| Univers Condensed Medium | Univers-Condensed |
| Univers Condensed Medium Italic | Univers-CondensedOblique |
| Univers Condensed Bold | Univers-CondensedBold |
| Univers Condensed Bold Italic | Univers-CondensedBoldOblique |

| PCL 6 emulation | PostScript 3 emulation |
|---|---|
| Wingdings | Wingdings-Regular |
| ITC Zapf Chancery Medium Italic | ZapfChancery-MediumItalic |
| ITC Zapf Dingbats | ZapfDingbats |
| | Univers-Extended |
| | Univers-ExtendedObl |
| | Univers-BoldExt |
| | Univers-BoldExtObl |
| | Univers-Light |
| | Univers-LightOblique |
| | Clarendon |
| | Clarendon-Light |
| | Clarendon-Bold |
| | Helvetica-Condensed |
| | Helvetica-Condensed-Bold |
| | Helvetica-Condensed-BoldObl |
| | Helvetica-Condensed-Oblique |
| | StempelGaramond-Bold |
| | StempelGaramond-BoldItalic |
| | StempelGaramond-Italic |
| | StempelGaramond-Roman |
| | Apple-Chancery |
| | Chicago |
| | Geneva |
| | Monaco |
| | NewYork |
| | Oxford |
| | Taffy |
| | MonaLisa-Recut |
| | Candid |
| | Bodoni |
| | Bodoni-Italic |
| | Bodoni-Bold |
| | Bodoni-BoldItalic |
| | Bodoni-Poster |
| | Bodoni-PosterCompressed |
| | CooperBlack |
| | CooperBlack-Italic |

| PCL 6 emulation | PostScript 3 emulation |
|---|---|
| | Copperplate-ThirtyTwoBC |
| | Copperplate-ThirtyThreeBC |
| | Eurostile |
| | Eurostile-Bold |
| | Eurostile-ExtendedTwo |
| | Eurostile-BoldExtendedTwo |
| | GillSans |
| | GillSans-Italic |
| | GillSans-Bold |
| | GillSans-BoldItalic |
| | GillSans-Condensed |
| | GillSans-BoldCondensed |
| | GillSans-Light |
| | GillSans-LightItalic |
| | GillSans-ExtraBold |
| | Goudy |
| | Goudy-Italic |
| | Goudy-Bold |
| | Goudy-BoldItalic |
| | Goudy-ExtraBold |
| | HoeflerText-Regular |
| | HoeflerText-Italic |
| | HoeflerText-Black |
| | HoeflerText-BlackItalic |
| | HoeflerText-Ornaments |
| | JoannaMT |
| | JoannaMT-Italic |
| | JoannaMT-Bold |
| | JoannaMT-BoldItalic |
| | LubalinGraph-Book |
| | LubalinGraph-BookOblique |
| | LubalinGraph-Demi |
| | LubalinGraph-DemiOblique |

### Resident bitmapped fonts

| PCL 6 emulation | PostScript 3 emulation |
|---|---|
| Line Printer 16 | |
| POSTNET Bar code | |

# Symbol sets

A *symbol set* is an encoded collection of alphabetic and numeric characters, punctuation, and special characters available in the font you select. Symbol sets support the requirements for different languages or specific applications, such as math symbols used for scientific text.

The symbol set encoding also defines which character will print for each key on the keyboard (or more specifically, for each *code point*). Some applications require different characters at some code points. To support multiple applications and languages, your printer has 83 symbol sets for the resident PCL 6 emulation fonts.

## Symbol sets for PCL 6 emulation

Not all fonts support all of the symbol sets listed in **Downloadable fonts**. Refer to the *Technical Reference* to determine which symbols sets are supported by each font name.

# Downloadable fonts

| | | |
|---|---|---|
| ABICOMP Brazil/Portugal | Wingdings | ISO 25: French |
| ABICOMP International | POSTNET Bar code | ISO 57: Chinese |
| DeskTop | ISO  : German | ISO 60: Norwegian version 1 |
| Legal | ISO  : Spanish | ISO 61: Norwegian version 2 |
| MC Text | ISO  2: IRV (Int'l Ref Version) | ISO 69: French |
| Microsoft Publishing | ISO  4: United Kingdom | ISO 84: Portuguese |
| Russian-GOST | ISO  6: ASCII | ISO 85: Spanish |
| Ukrainian | ISO 10: Swedish | ISO 8859-1 Latin 1 (ECMA-94) |
| PCL ITC Zapf Dingbats | ISO 11: Swedish for Names | ISO 8859-2 Latin 2 |
| PS ITC Zapf Dingbats | ISO 14: JIS ASCII | ISO 8859-5 Latin/Cyrillic |
| PS Math | ISO 15: Italian | ISO 8859-7 Latin/Greek |
| PS Text | ISO 16: Portuguese | ISO 8859-9 Latin 5 |
| Pi Font | ISO 17: Spanish | ISO 8859-10 Latin 6 |
| Symbol | ISO 21: German | ISO 8859-15 Latin 9 |
| PC-8 Bulgarian | PC-857 Latin 5 (Turkish) | Roman-9 |
| PC-8 Danish/Norwegian (437N) | PC-858 Multilingual Euro | Roman Extension |

| | | |
|---|---|---|
| PC-8 Greek Alternate (437G) | PC-860 Portugal | Ventura ITC Zapf Dingbats |
| PC-8 Turkish (437T) | PC-861 Iceland | Ventura International |
| PC-8 Latin/Greek | PC-863 Canadian French | Ventura Math |
| PC-8 PC Nova | PC-865 Nordic | Ventura US |
| PC-8 Polish Mazovia | PC-866 Cyrillic | Windows 3.0 Latin 1 |
| PC-8 Code Page 437 | PC-869 Greece | Windows 98 Cyrillic |
| PC-775 Baltic (PC-8 Latin 6) | PC-911 Katakana | Windows 98 Greek |
| PC-850 Multilingual | PC-1004 OS/2 | Windows 98 Latin 1 |
| PC-851 Greece | Math-8 | Windows 98 Latin 2 |
| PC-852 Latin 2 | Greek-8 | Windows 98 Latin 5 |
| PC-853 Latin 3 (Turkish) | Turkish-8 | Windows 98 Latin 6 (Baltic) |
| PC-855 Cyrillic | Roman-8 | |

You can download scalable fonts in PostScript 3 emulation and either scalable or bitmapped fonts in PCL 6 emulation. Fonts can be downloaded to printer memory, or to a flash memory option or hard disk option. Fonts downloaded to flash memory or hard disk remain in memory even after the printer language changes, the printer resets, or the printer is turned off.

## Euro support

Support for the euro currency character is included in all applicable fonts for both the PostScript and PCL emulations. Twelve of the PCL symbol sets support the euro character, including all seven Windows symbol sets.

## Hebrew and Arabic fonts

A variety of downloadable fonts for Hebrew and Arabic are included on the CD that shipped with the printer.

## FontVision

Also included on the CD is the FontVision™ Management utility and screen fonts to match the resident scalable fonts. An additional 48 TrueType fonts are available on the Lexmark Web site when a customer registers the printer.

# 53 Notices

- **Edition notice**

- **Trademarks**

- **Licensing notice**

- **Safety information**

- **Cautions and warnings**

- **Electronic emission notices**

- **Noise emission levels**

- **Energy Star**

- **Laser notice**

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**August 2001**

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Company's designation of a set of printer commands (language) and functions included in its printer
products. This printer is intended to be compatible with the PCL language. This means the printer
recognizes PCL commands used in various application programs, and that the printer emulates the
functions corresponding to the commands.

PostScript® is a registered trademark of Adobe Systems Incorporated. PostScript 3 is Adobe Systems'
designation of a set of printer commands (language) and functions included in its software products.
This printer is intended to be compatible with the PostScript 3 language. This means the printer
recognizes PostScript 3 commands used in various application programs, and that the printer
emulates the functions corresponding to the commands.

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

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| Antique Olive | Monsieur Marcel OLIVE |
| Apple-Chancery | Apple Computer, Inc. |
| Arial | The Monotype Corporation plc |

| | |
|---|---|
| Candid | Agfa Corporation |
| CG Omega | Product of Agfa Corporation |
| CG Times | Based on Times New Roman under license from The Monotype Corporation plc, is a product of Agfa Corporation |
| Chicago | Apple Computer, Inc. |
| Clarendon | Linotype-Hell AG and/or its subsidiaries |
| Eurostile | Nebiolo |
| Geneva | Apple Computer, Inc. |
| GillSans | The Monotype Corporation plc |
| Helvetica | Linotype-Hell AG and/or its subsidiaries |
| Hoefler | Jonathan Hoefler Type Foundry |
| ITC Avant Garde Gothic | International Typeface Corporation |
| ITC Bookman | International Typeface Corporation |
| ITC Lubalin Graph | International Typeface Corporation |
| ITC Mona Lisa | International Typeface Corporation |
| ITC Zapf Chancery | International Typeface Corporation |
| Joanna | The Monotype Corporation plc |
| Marigold | Arthur Baker |
| Monaco | Apple Computer, Inc. |
| New York | Apple Computer, Inc. |
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| Taffy | Agfa Corporation |
| Times New Roman | The Monotype Corporation plc |
| TrueType | Apple Computer, Inc. |
| Univers | Linotype-Hell AG and/or its subsidiaries |
| Wingdings | Microsoft Corporation |

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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.

- 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 multiple lasers.

    **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 C750 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 (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.

### Industry Canada compliance statement

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

### Avis de conformité aux normes d'Industrie 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.

*205*

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.

> **WARNING:** When a network cable or high capacity output finisher is installed, 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*

この装置は、情報処理装置等電波障害自主規制協議会（ＶＣＣＩ）の基準に基づくクラスＡ情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

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

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

The Lexmark C750 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 Lab Operations
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 d'Industrie 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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取扱説明書に従って正しい取り扱いをして下さい。

## *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.

## 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 | 51 dBA |
| Idling | 42 dBA |

## Energy Star



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

Companies participating in this program introduce personal computers, printers, monitors, or fax machines 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.

## 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.
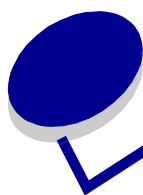
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