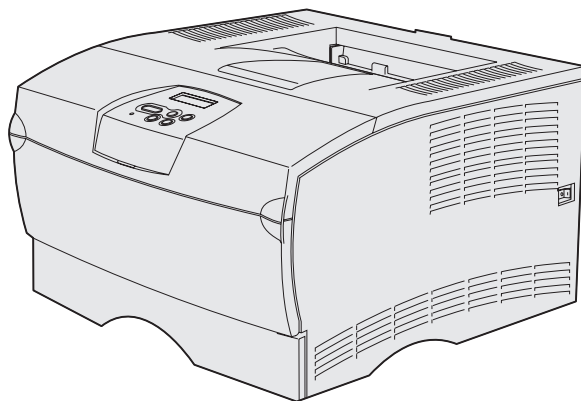




T430

Setup Guide



March 2004

www.lexmark.com

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740 West New Circle Road
Lexington, Kentucky 40550

Setup Guide

English

Edition: March 2004

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The Lexmark T430 complies 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.

Any questions on this statement should be directed to:

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

Refer to the online documentation for additional compliance information.

Safety information

- If your product is *not* marked with this symbol , it *must* be connected to an electrical outlet that is properly grounded.
CAUTION: Do not set up this product or make any electrical or cabling connections, such as the power cord or telephone, during a lightning storm.
- The power cord must be connected to an electrical outlet that is near the product and easily accessible.
- Refer service or repairs, other than those described in the operating instructions, to a professional service person.
- This product is designed, tested, and approved to meet strict global safety standards with the use of specific Lexmark components. The safety features of some parts may not always be obvious. Lexmark is not responsible for the use of other replacement parts.
- Your product uses a laser.
CAUTION: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- Your product uses a printing process that heats the print media, and the heat may cause the media to release emissions. You must understand the section in your operating instructions that discusses the guidelines for selecting print media to avoid the possibility of harmful emissions.

Conventions

Note: A note identifies something that could help you.

CAUTION: A caution identifies something that could cause you harm.

Warning: A warning identifies something that could damage your product hardware or software.

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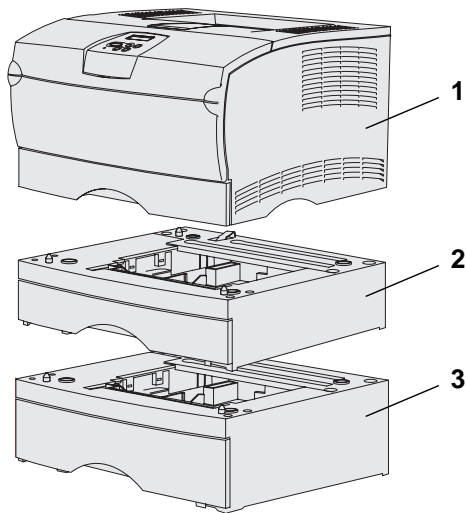
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Introduction

About the printer

Your printer is available in two models:

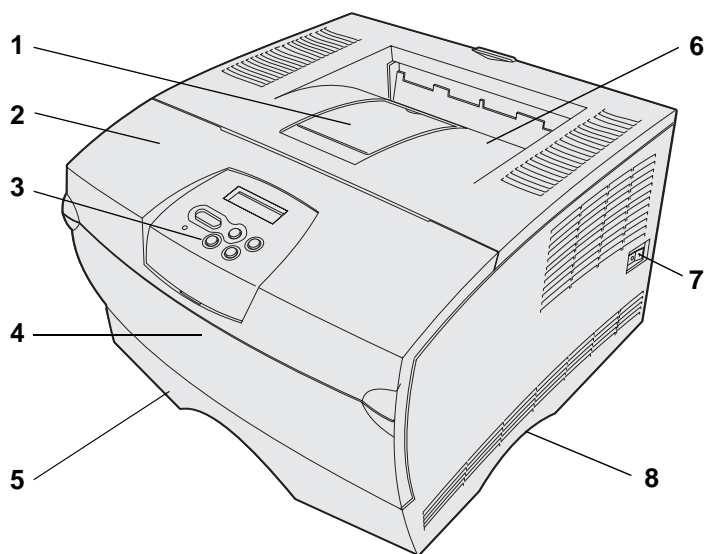
	Lexmark™ T430d	Lexmark T430dn
Standard memory	32MB	64MB
Resolution	Up to 1200 dpi	
Paper inputs	One 250-sheet tray	
Duplex capabilities	Yes (internal duplex unit)	
Connectivity	<ul style="list-style-type: none">• USB• Parallel	<ul style="list-style-type: none">• USB• Parallel• 10/100 Base-TX Ethernet



You can purchase optional drawers and memory cards.

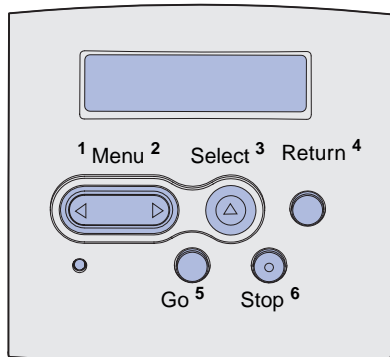
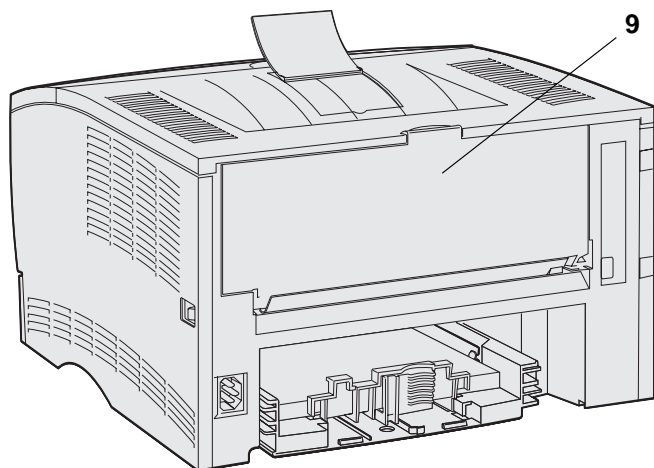
- (1) Printer
- (2) Optional 250-sheet drawer
- (3) Optional 500-sheet drawer

The printer can support up to 256MB of additional printer memory and up to 32MB of flash memory.



- (1) Front paper support
- (2) Upper front door
- (3) Operator panel
- (4) Multipurpose feeder door
- (5) 250-sheet tray (Tray 1)
- (6) Standard output bin
- (7) Power button
- (8) Handhold
- (9) Rear output bin

The printer also has an internal duplex unit.



The operator panel has a 2-line by 16-character liquid crystal display (LCD), five buttons, and one indicator light that flashes when the printer is processing a job indicated by the **Busy** message.

Other sources of information

If you need more information after you have completed setup, refer to other printer documentation.

Lexmark T430 Publications CD

The publications CD provides information about loading paper, clearing error messages, ordering and replacing supplies, installing maintenance kits, and troubleshooting. It also provides general information for administrators.

The information on the publications CD is also available on our Lexmark Web site at **www.lexmark.com/publications**.

Quick Reference card

The printer *Quick Reference* provides easy access to information about loading print media, understanding common printer messages, and clearing jams.

Quick Reference pages

Quick Reference pages are stored inside the printer. They provide information about loading print media, printing confidential jobs, and clearing jams from the printer.

Drivers CD

The drivers CD contains all the necessary files to get your printer up and running. It may also contain printer utilities, screen fonts, and additional documentation.

Lexmark Web site

Visit our Web site at **www.lexmark.com** for updated printer drivers, utilities, and other printer documentation.

Step 1: Choose your setup (local or network printer)



Local printer

A local printer is a printer attached to your computer using a USB or parallel cable. The local printer is intended to be used only by the person using the computer to which it is attached. If you are attaching a local printer, you must install the printer driver on your computer before setting up your printer.

Continue with Step 2: “Install drivers for local printing” on page 2.

Network printer

A network printer is a printer attached to a network either by a network cable (such as Ethernet) or through the use of a server. If you are attaching a network printer, you must set up your printer on the network first, and then install the printer driver.

Continue with Step 3: “Unpack the printer” on page 8.

Step 2: Install drivers for local printing

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

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

Operating system	Go to page...
Windows Windows Server 2003, Windows 2000, Windows XP, Windows 98/Me, Windows NT 4.x	2
Macintosh	4
UNIX/Linux	7

Windows

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

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

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

Drivers are also available in downloadable software packages on our Lexmark Web site at **www.lexmark.com**.

Using Windows Server 2003, Windows 2000, Windows XP, and Windows 98/Me, and Windows NT

Note: USB support is not available for Windows NT operating systems.

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

- 1** Insert the drivers CD.
If the CD does not auto launch, click **Start → Run**, and then type **D:\Setup.exe** in the Run dialog box.
- 2** Click **Install Software**.
- 3** Click **Printer and Software**.
- 4** Click **Agree** to accept the license agreement.
- 5** Select **Suggested**, and then click **Next**.
The Suggested option is the default installation for local and network-attached setup. If you need to install utilities, change settings, or customize device drivers, select **Custom**, and follow the instructions on your screen.
- 6** Select **Local Attached**, and then click **Finish**.
- 7** Select the port you are using to connect the printer to the computer, and then click **Next**.
- 8** Click **Done**.

What do I do next?

Task	Go to page...
After you have installed the drivers on your computer, you are ready to set up the printer.	8

Using Windows 95 and Windows 98 (first edition)

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

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

- 1 Turn on your computer.
- 2 Click **Start** → **Settings** → **Printers**, and then double-click **Add Printer**.
- 3 When prompted, select **Local printer**.
- 4 Select the manufacturer and model of your printer, and then click **Have Disk**.
- 5 Insert the drivers CD. If the CD launches automatically, click **Exit** to return to the Add Printer Wizard.
- 6 Specify the location of the custom printer driver on the drivers CD.

The path should be similar to the following:

X:\Drivers\Print\Win_9xMe\<language>

Where X=the letter of your CD-ROM drive. For example, D:\Drivers\Print\Win_9xMe\English.

- 7 Click **OK**.

What do I do next?

Task	Go to page...
After you have installed the drivers on your computer, you are ready to set up the printer.	8

Macintosh

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

Creating a desktop printer icon (Macintosh 8.6–9.x)

- 1 Install a printer PostScript Printer Description (PPD) file on your computer.
 - a Insert the drivers CD.
 - b Double-click **Classic**, and then double-click the installer package for your printer.

Install drivers for local printing

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

Note: A PPD for your printer is also available in a downloadable software package on our Lexmark Web site at www.lexmark.com.

- c** Choose the language you want to use, and then click **OK**.
 - d** Click **Accept** after you read the license agreement.
 - e** Click **Continue** after you finish with the Readme file.
 - f** Choose a default paper size.
 - g** On the Easy Install screen, click **Install**. All the necessary files are installed on your computer.
 - h** Click **Quit** when installation is complete.
- 2** Do one of the following:
- Macintosh 8.6–9.0:* Open **Apple LaserWriter**.
 - Macintosh 9.1–9.x:* Open **Applications**, and then click **Utilities**.
- 3** Double-click **Desktop Printer Utility**.
- 4** Select **Printer (USB)**, and then click **OK**.
- 5** In the USB Printer Selection section, click **Change**.
- If your printer does not appear in the USB Printer Selection list, make sure the USB cable is properly connected and the printer is turned on.*
- 6** Select the name of your printer, and then click **OK**. Your printer appears in the original Printer (USB) window.
- 7** In the PostScript Printer Description (PPD) File section, click **Auto Setup**. Make sure your printer PPD now matches your printer.
- 8** Click **Create**, and then click **Save**.
- 9** Specify a printer name, and then click **Save**. Your printer is now saved as a desktop printer.

What do I do next?

Task	Go to page...
After you have installed the drivers on your computer, you are ready to set up the printer.	8

**Creating a queue in
Print Center
(Macintosh OS X)**

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

Note: A PPD for your printer is also available in a downloadable software package on our Lexmark Web site at www.lexmark.com.

- 1** Install a printer PostScript Printer Description (PPD) file on your computer.
 - a** Insert the drivers CD.
 - b** Double-click **Mac OS X**, and then double-click the installer package for your printer.
 - c** On the Authorization screen, choose **Click the lock to make changes**.
 - d** Enter your password, and then click **OK**.
 - e** Click **Continue** on the Welcome screen and again after you view the Readme file.
 - f** Click **Agree** to accept the license agreement.
 - g** Select a Destination, and then click **Continue**.
 - h** On the Easy Install screen, click **Install**. All the necessary files are installed on your computer.
 - i** Click **Close** when installation is complete.
- 2** Open Finder, click **Applications**, and then click **Utilities**.
- 3** Double-click **Print Center**.
- 4** Do one of the following:

If your USB-attached printer appears in the Printer List, you can quit Print Center. A queue has been created for your printer.

If your USB-attached printer does not appear in the Printer List, make sure the USB cable is properly connected and the printer is turned on. After the printer appears in the Printer List, you can quit Print Center.

What do I do next?

Task	Go to page...
After you have installed the drivers on your computer, you are ready to set up the printer.	8

UNIX/Linux

Local printing is supported on many UNIX and Linux platforms, such as Sun Solaris and Red Hat.

The Sun Solaris and Linux packages are available on the drivers CD and on our Lexmark Web site at **www.lexmark.com**. The *User's Guide* in each package gives detailed instructions for installing and using Lexmark printers in UNIX and Linux environments.

All the printer driver packages support local printing using a parallel connection. The driver package for Sun Solaris supports USB connections to Sun Ray appliances and Sun workstations.

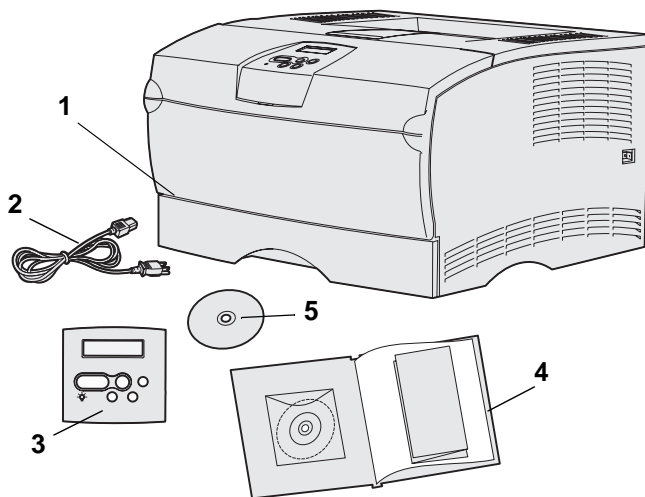
Visit our Lexmark Web site at **www.lexmark.com** for a complete list of supported UNIX and Linux platforms.

What do I do next?

Task	Go to page...
After you have installed the drivers on your computer, you are ready to set up the printer.	8

Step 3: Unpack the printer

Warning: Allow at least 7.62 cm (3 in.) clearance on the right side of the printer for the cooling fan to function properly.



Select a well ventilated location for your printer that provides room for the trays, cover, and doors. Choose a firm, level surface away from direct airflow and temperature extremes.

Remove all items from the box. Make sure you have the following items:

- (1) Printer with:
 - One 250-sheet tray
 - Print cartridge (shipped inside printer, wrapped in packaging)
- (2) Power cord
- (3) Operator panel overlay (non-English only)
- (4) *Setup Guide* with a publications CD and *Quick Reference* card
- (5) Drivers CD

If any items are missing or damaged, contact the Lexmark Customer Support Center at

<http://support.lexmark.com>.

Save the carton and packing material in case you need to repack the printer.

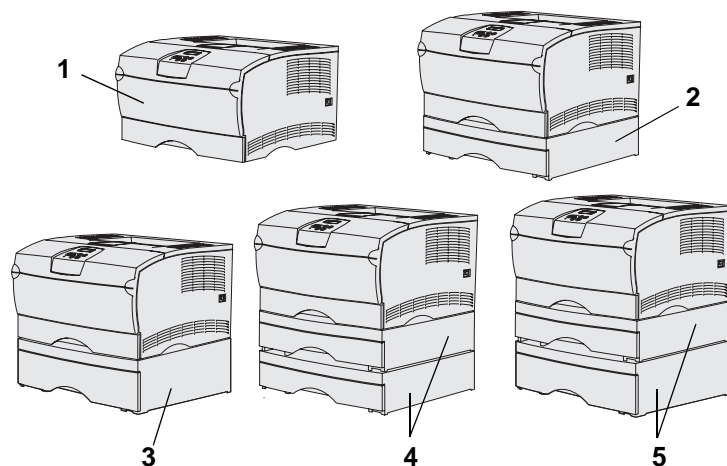
Step 4: Set up the printer and options

Positioning the optional drawer

CAUTION: If you are adding an optional drawer sometime after setting up the printer, be sure to turn the printer off, unplug the power cord, and disconnect all cables from the back of the printer before completing these tasks.

The printer supports up to two additional drawers. There is an optional 250-sheet drawer and an optional 500-sheet drawer. Each optional drawer consists of a support unit and a tray.

The printer can be set up in the following configurations:



- (1) Base printer
- (2) One 250-sheet drawer
- (3) One 500-sheet drawer
- (4) Two 250-sheet drawers
- (5) One 250-sheet drawer and one 500-sheet drawer; the 500-sheet drawer must be on the bottom of the stack

Note: The printer does not support the addition of two 500-sheet drawers.

Note: The base printer's 250-sheet tray is not interchangeable with the 250-sheet tray that comes with the optional drawer.

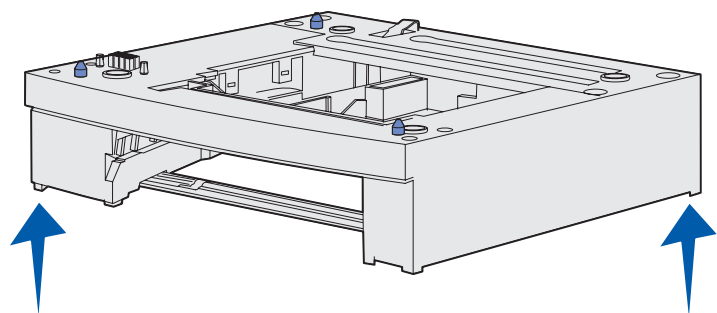
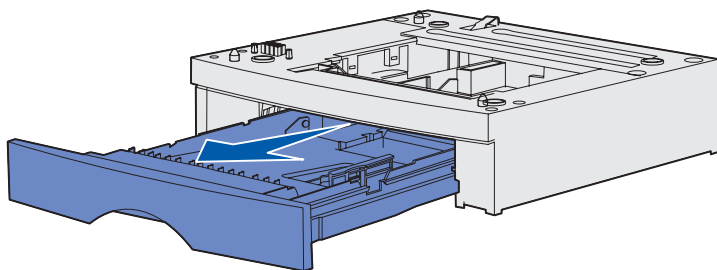
To add an optional drawer:

- 1** Remove all packing material and tape from the support unit.
- 2** Pull the tray out of the support unit.

Remove any packing material and tape from the tray.

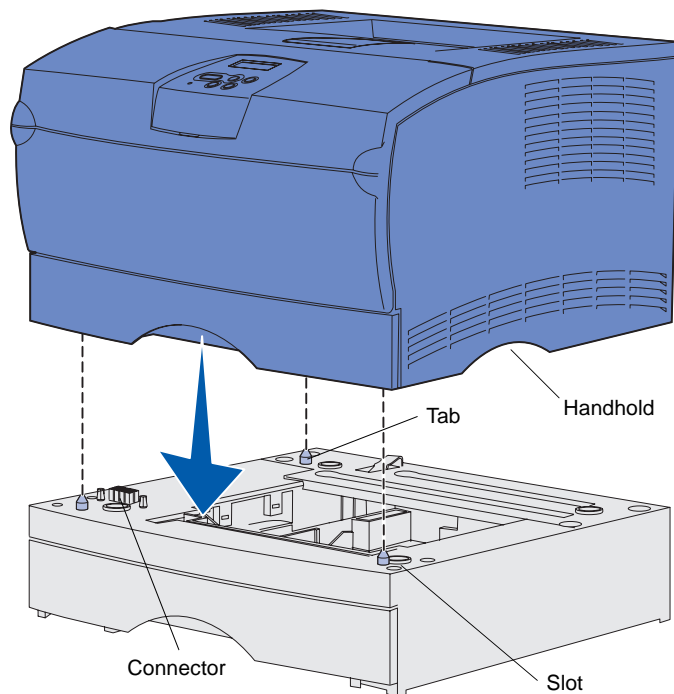
- 3** Grasp the support unit on each side at opposite corners and move it to the location selected for the printer.

- 4** Reinstall the tray. Push it fully into the support unit.



Positioning the printer

Note: If you have optional memory to install, leave clearance on the left side of the printer.



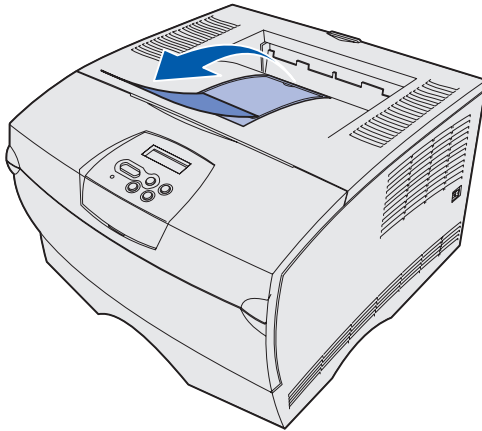
Once you have selected a location and positioned an optional drawer (if you have one), you are ready to position the printer.

Lift the printer by the recessed handholds on both sides, and place it on the table or optional drawer.

To position the printer on an optional drawer:

- 1** Align the tabs, slots, and connector on the drawer with the underside of the printer.
- 2** Lower the printer into place. Make sure it is seated securely on the drawer.

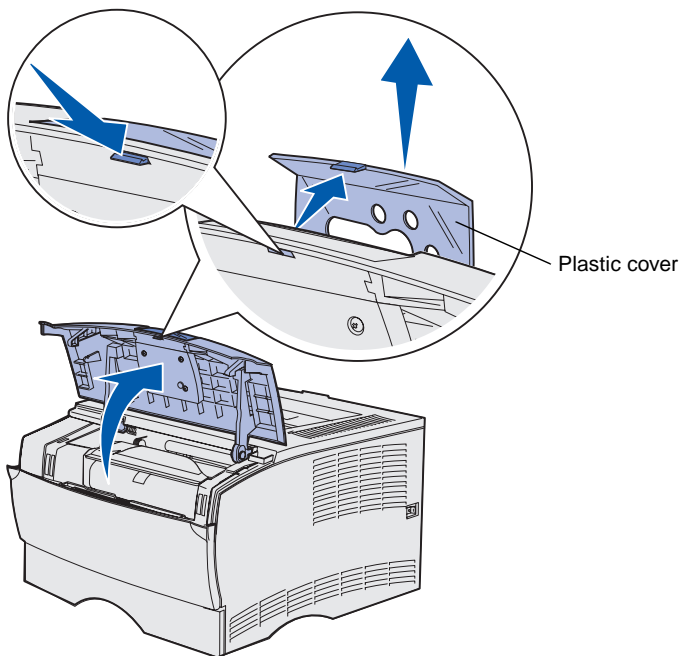
Raising the paper rest



The paper rest holds printed jobs at an angle to keep them from sliding out of the output bin.

Pull the paper rest towards the front of the printer to raise it.

Attaching an operator panel overlay



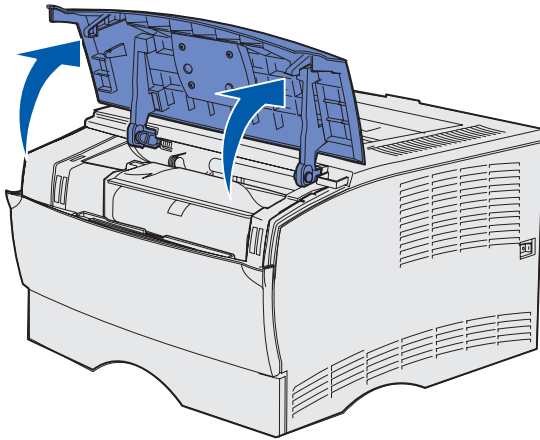
If English is not your preferred language and your printer shipped with an operator panel overlay, attach the overlay with translated text:

- 1** Open the upper front door.
- 2** Remove the clear plastic cover from the operator panel, as shown.
- 3** Close the upper front door.
- 4** Remove the existing plastic overlay.
- 5** Align the holes in the new overlay with the lights and buttons on the operator panel, and then set the overlay in place.
- 6** Reattach the plastic cover.

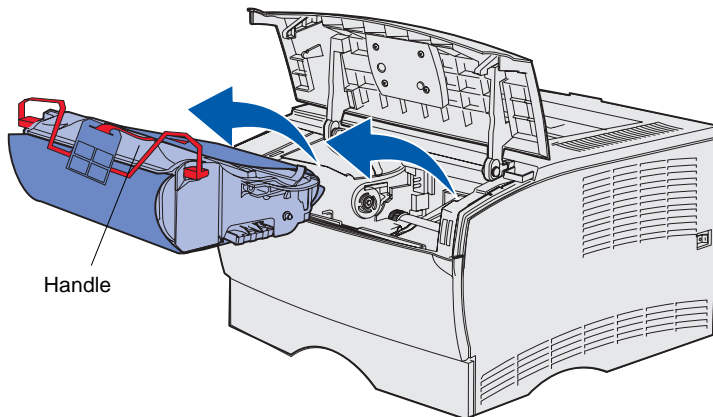
Step 5: Install the print cartridge

Removing the packaging

1 Open the upper front door.

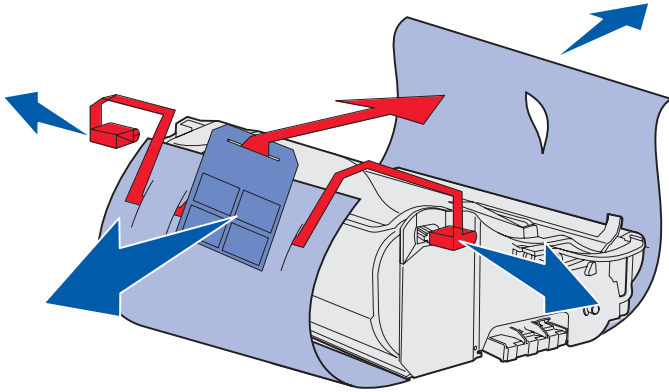


2 Grasp the print cartridge by the handle and lift it out.



Install the print cartridge

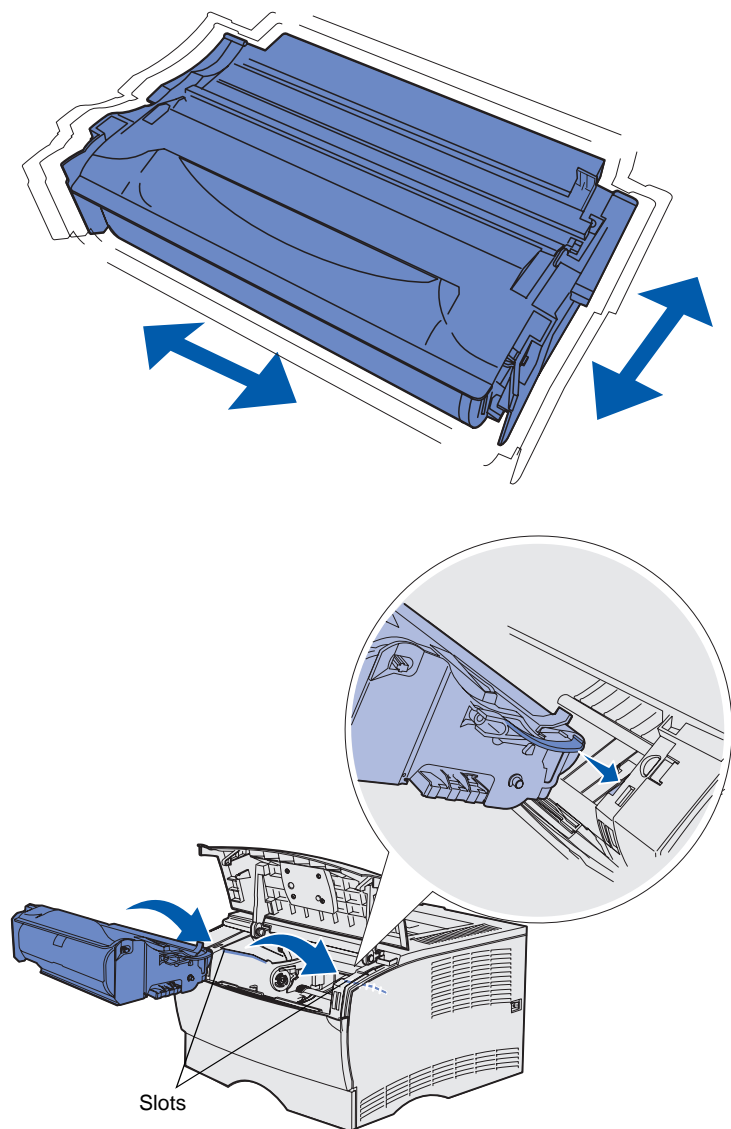
- 3** Remove the packaging material.
Keep the packaging material.



Warning: Do not touch the photoconductor drum on the bottom of the print cartridge.

Install the print cartridge

Installing the print cartridge



1 Hold the print cartridge by the handle and gently shake it to distribute the toner.

2 Install the print cartridge:

- a** Grasp the print cartridge by the handle.
- b** Align the tabs on each side of the cartridge with the slots on each side of the printer.
- c** Slide the cartridge into the printer until it *snaps* into place.

3 Close the upper front door.

Make sure the door *snaps* closed on both sides, or the printer will not function properly.

Step 6: Install printer memory or firmware cards



Note: Memory options designed for other Lexmark printers may not work with your printer.

CAUTION: If you are installing a memory or firmware card sometime after setting up the printer, turn the printer off and unplug the power cord before continuing.

Note: You need a small Phillips screwdriver to remove the system board shield.

If you do not have any memory or firmware cards to install, skip this step and go to Step 7: “Load paper” on page 22.

The system board has one printer memory connector and two firmware card connectors.

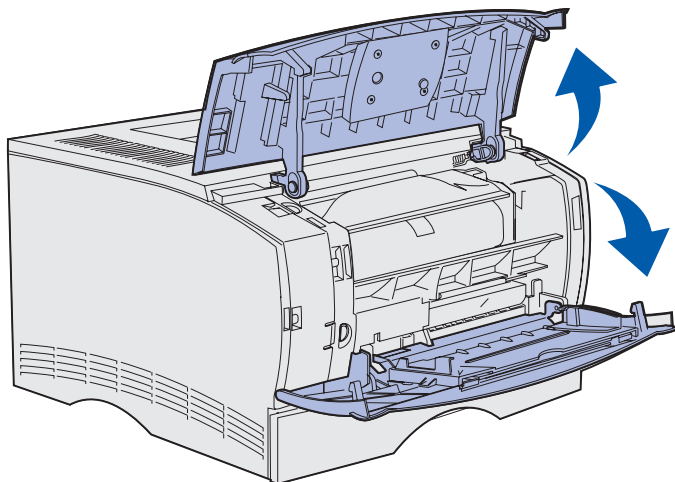
The instructions in this section help you install:

- Printer memory cards
- Firmware cards
 - Additional functionality
 - Internet capabilities
 - Flash memory

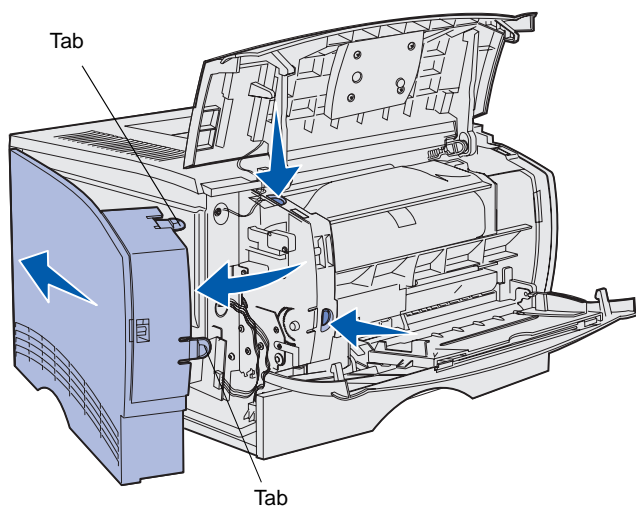
The printer can support up to 256MB of additional printer memory and up to 32MB of flash memory.

Removing the side cover and shield

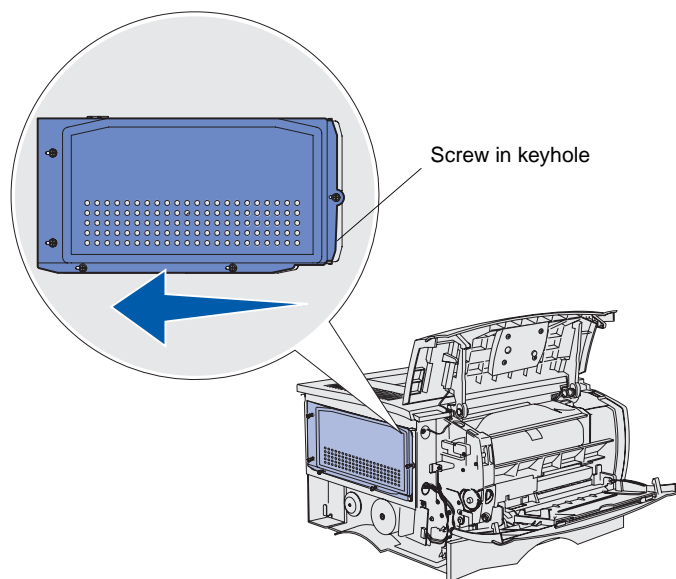
- 1 Open the upper front door and the multipurpose feeder door.



- 2 Firmly press on the two tabs simultaneously to free them from their slots.
- 3 Slide the side cover off of the back of the printer as you swing it out to remove it.



Install printer memory or firmware cards

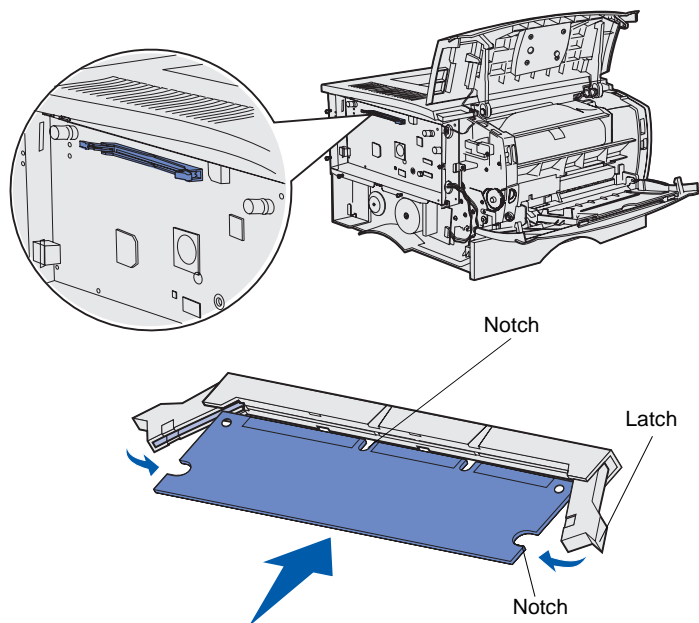


Screw in keyhole

- 4** Loosen the five screws.
Do not remove them completely.
- 5** Slide the shield to the left until the screws fit into the keyholes on the cover.
- 6** Pull the shield straight out, and set it aside.

Installing a printer memory card

Warning: Memory cards are easily damaged by static electricity. Touch something metal on the printer before you touch a card.



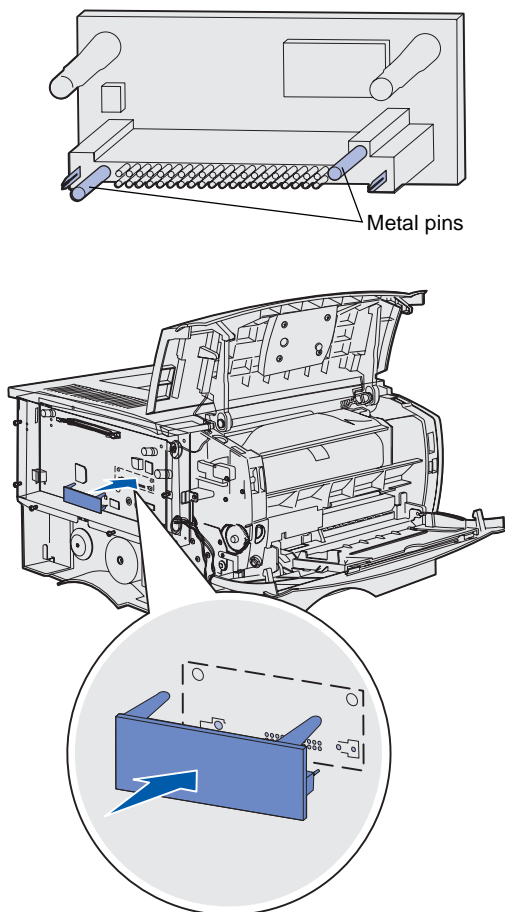
Follow the instructions in this section to install a printer memory card. Memory cards must have 100-pin connectors.

- 1** Unpack the memory card.
Avoid touching the connection points along the edge of the card. Save the packaging.
- 2** Push open the latches on both sides of the memory connector.
- 3** Align the notches on the card with the notches on the connector.
- 4** Push the memory card firmly into the connector until the latches on both ends of the connector *snap* into place.
It may require some force to fully seat the card.
Make sure each latch fits over the notch on the end of the card.
- 5** If you have a firmware card to install, continue with “Installing a firmware card” on page 20.
Otherwise, go to “Reattaching the shield and side cover” on page 21.

Installing a firmware card

Note: Firmware and flash memory cards designed for other Lexmark printers may not work with your printer.

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



Follow the instructions in this section to install an optional firmware or flash memory card.

Only one of each type of card is supported.

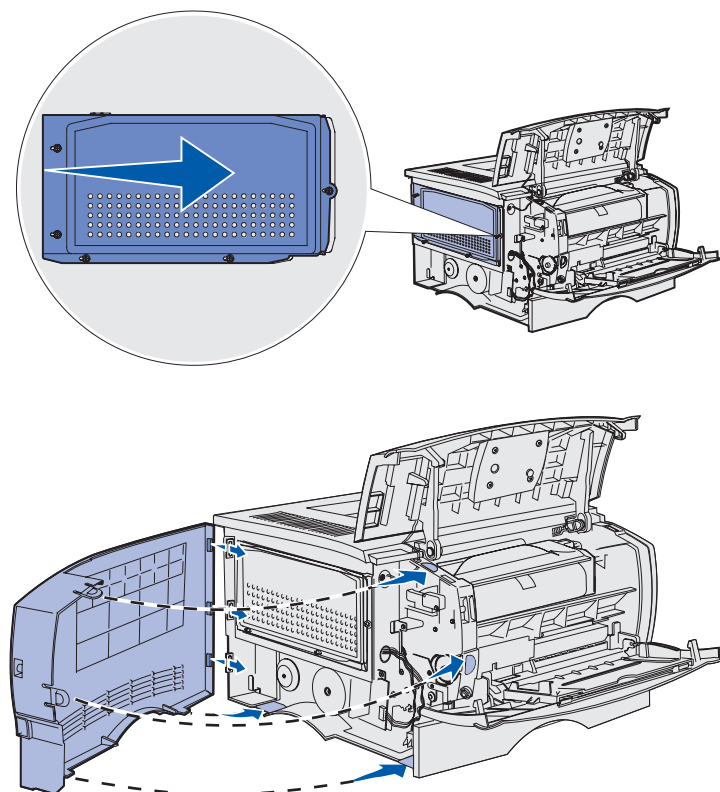
- 1** Unpack the card.

Avoid touching the metal pins on the bottom of the card.
- 2** Holding the card by its sides, align the pins on the card with the holes on the system board.
- 3** Push the card firmly into place.

The entire length of the connector on the flash card must touch and be flush against the system board.

Be careful not to damage the connectors.
- 4** Continue with “Reattaching the shield and side cover” on page 21.

Reattaching the shield and side cover



After installing memory or firmware cards, you must reattach the shield and side cover.

- 1 Align the five keyholes on the shield with the five screws on the system board.
- 2 Press the shield against the system board, and then slide the shield to the right.
- 3 Tighten the five screws.

- 4 Align the three rear tabs on the side cover with the corresponding slots on the printer.
- 5 Guide the tabs on the top, bottom, and front of the cover into their corresponding slots.

The top and front tabs *snap* into place.

- 6 Close the upper front door and the multipurpose feeder door.

Make sure both doors *snap* closed on both sides.

Step 7: Load paper



Your printer has a standard tray with a capacity of 250 sheets. You can increase the total printer sheet capacity (including the multipurpose feeder) to either 600 or 1100 sheets if you install one or both of the optional drawers.

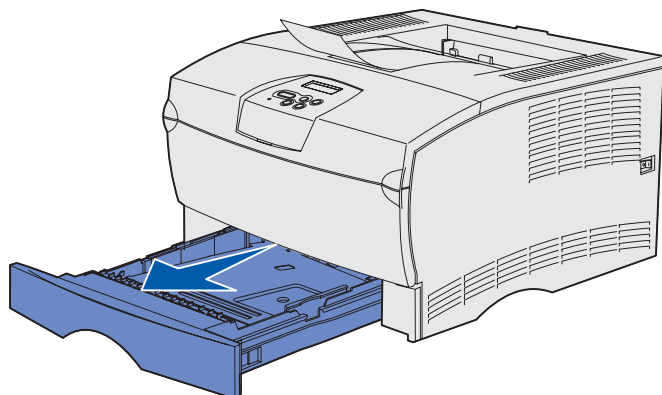
The following table includes supported print media sizes and types, and page numbers where you can find loading instructions.

Source	Capacity	Sizes supported	Types supported	Go to page...
Tray 1	250	A4, A5, JIS B5, folio, letter, legal, executive, statement	Paper, transparencies	23
Optional 250-sheet tray	250	A4, A5, JIS B5, folio, letter, legal, executive, statement	Paper only	23
Optional 500-sheet tray	500	A4, JIS B5, folio, letter, legal, executive	Paper only	23
Multipurpose feeder	100	A4, A5, JIS B5, folio, letter, legal, executive, statement, Universal*	Paper, paper labels, envelopes, transparencies, card stock†	26

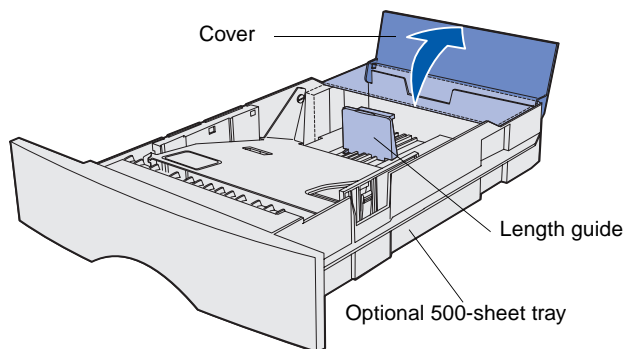
* Universal size range: 76–216 x 127–356 mm (3.0–8.5 x 5.0–14.0 in.) (includes 3 x 5 in. cards).
† Card stock must exit through the rear output bin.

Loading the trays

Note: If you load any print media other than plain letter or A4 paper in tray 1, make sure you change the Paper Type and Paper Size settings for that tray from the driver. Refer to the publications CD for more information.



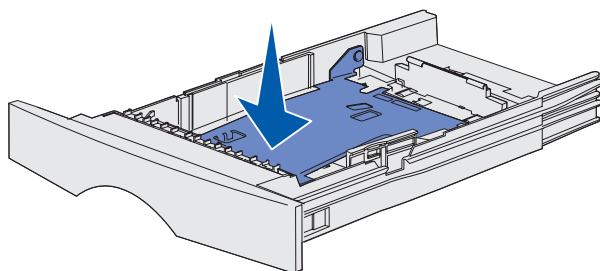
Note: The length guide on an optional 500-sheet tray is shaped differently than the length guide on the other trays, but the function is the same.



Follow these instructions to load the standard tray and any optional tray.

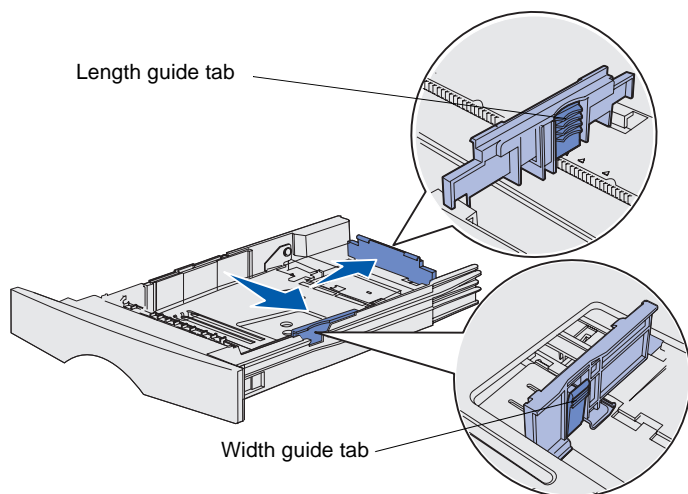
1 Remove the tray.

2 If you are loading an optional 500-sheet tray, open the cover.



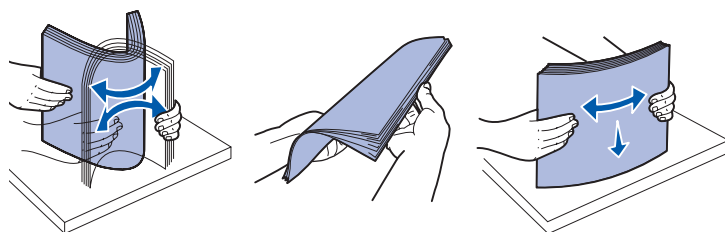
3 Press the metal plate down.

Note: For any tray but the optional 500-sheet tray, the length guide extends beyond the end of the tray molding.



4 Squeeze the width guide tab and the width guide together, and then slide the guide all the way to the right.

5 Squeeze the length guide tab and the length guide together, and then fully extend the guide.

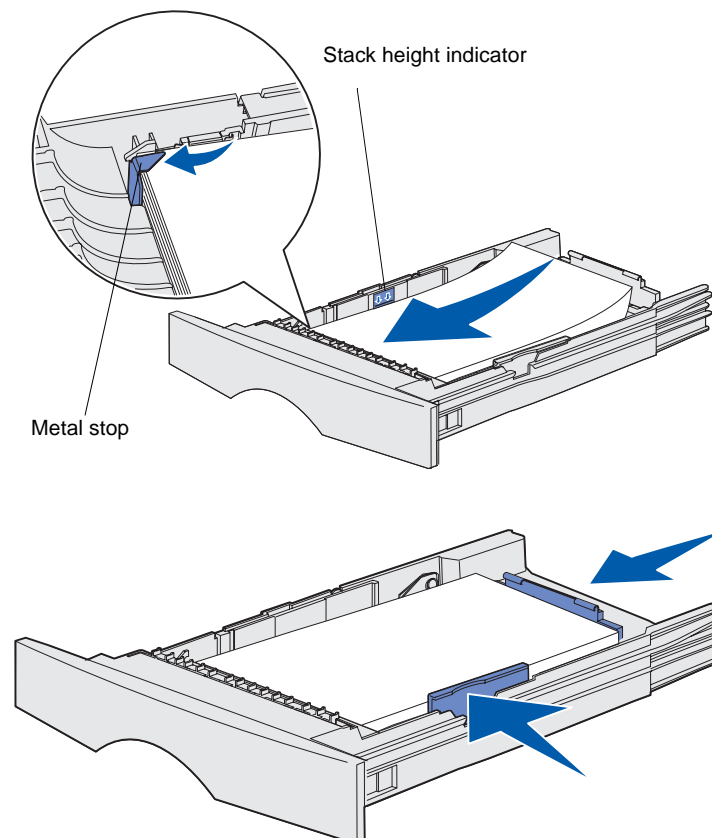


6 Flex the sheets back and forth to loosen them, and then fan them.

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

Load paper

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



- 7** Place the print media against the left side of the tray, with the print side down and facing the front of the tray.

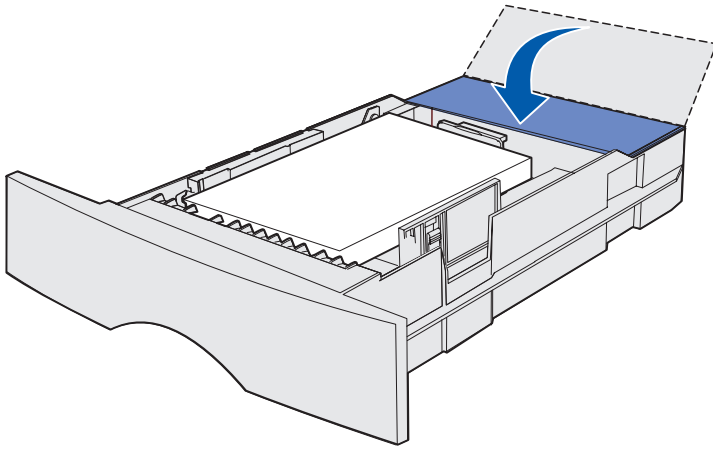
Do not load bent or wrinkled print media.

- 8** Tuck the corner of the print media under the metal stop.

- 9** Squeeze the width guide tab and the width guide together, and then slide the guide to the edge of the print media.

- 10** Squeeze the length guide tab and the length guide together, and then slide the guide to the edge of the print media.

Load paper



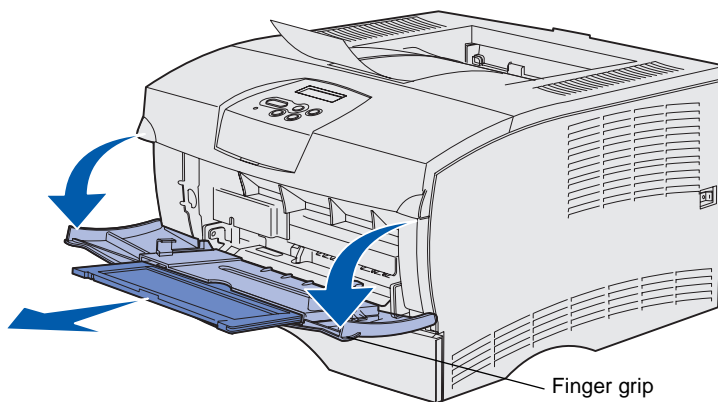
- 11** If you are loading an optional 500-sheet tray, close the cover.
- 12** Reinstall the tray. Push it fully into the printer.

Loading the multipurpose feeder

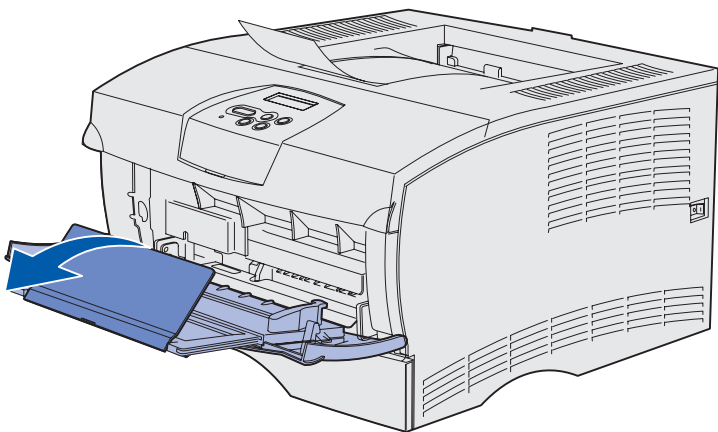
You can use the multipurpose feeder in two ways:

- **Tray**—As a tray, you can load print media in the feeder with the intention of leaving it there.
- **Manual feeder**—As a manual feeder, you send a print job to the printer 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.

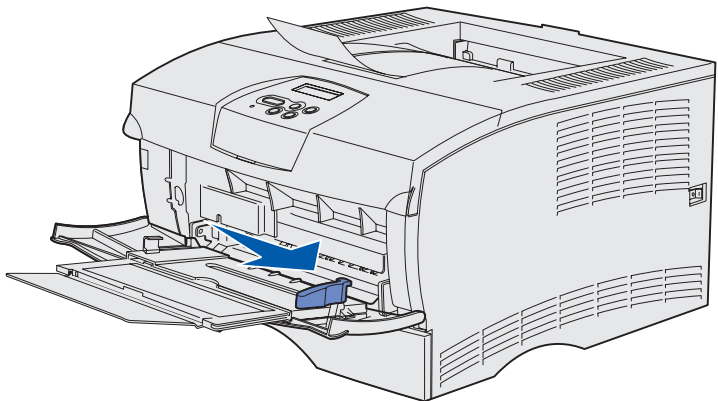
Use the following instructions to load the multipurpose feeder.



- 1** Use the finger grips to pull the door open.
- 2** Pull out the extension.



- 3** Unfold the extension.



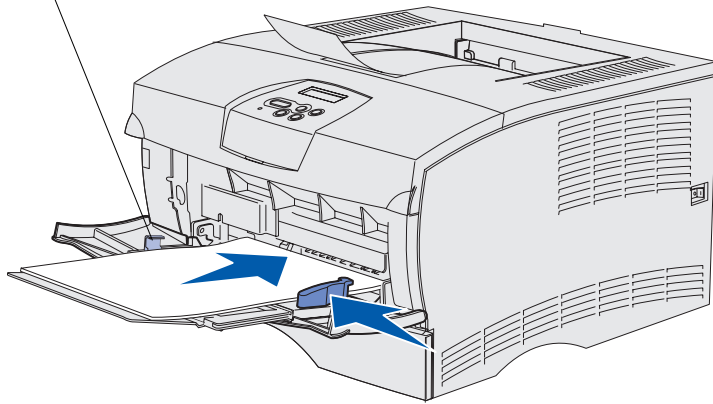
- 4** Slide the width guide all the way to the right.
- 5** Flex the sheets back and forth to loosen them, and then fan them.

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

Load paper

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

Stack height limiter



- 6** Place the print media against the left side of the multipurpose feeder, with the print side up and facing into the multipurpose feeder.
- 7** Push the print media forward, but do not force it.
- 8** Slide the width guide until it lightly touches the stack of print media.

Refer to the publications CD for additional information on loading different types of media such as letterhead, transparencies, card stock, and envelopes.

Step 8: Attach cables

CAUTION: Do not connect or disconnect a communication port or any other connector during a lightning storm.

The printer can be attached to a network or directly to a computer to print locally.

Attaching a local cable

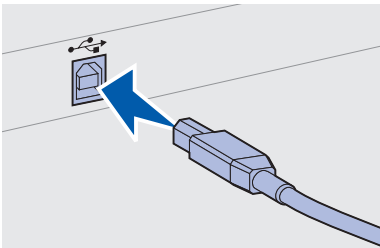
You can attach your printer locally using either a USB or parallel connection.

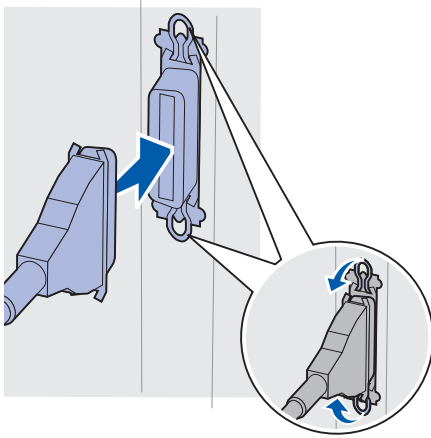
USB and parallel ports are standard on all models.

Windows 98 SE, Windows Me, Windows 2000, and Windows XP operating systems support USB connections. Some UNIX, Linux, and Macintosh computers also support USB connections. Refer to your computer operating system documentation to see if your system supports USB.

To attach the printer to a computer:

- 1** Make sure the printer is turned off and unplugged.
- 2** Connect the printer to the computer using a USB or parallel cable.
 - A USB port requires a USB cable such as Lexmark part number 12A2405 (2 m [6.5 ft]). Be sure to match the USB symbol on the cable to the USB symbol on the printer.





- A parallel port requires an IEEE-1284 compliant parallel cable such as Lexmark part number 1329605 (3 m [10 ft]), or 1427498 (6 m [20 ft]).

Attaching a network cable

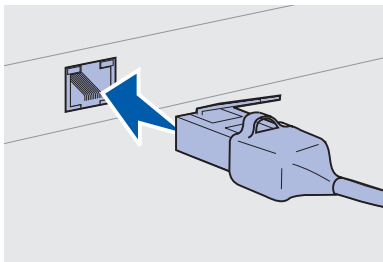
You can attach your printer to a network using standard network cables.

Ethernet

A 10BaseT/100BaseTx Fast Ethernet port is standard on the network model.

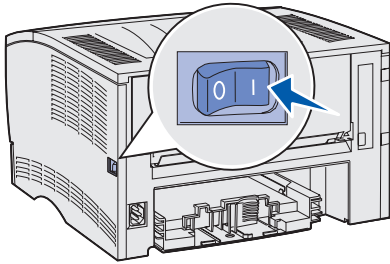
To attach the printer to a network:

- 1 Make sure the printer is turned off and unplugged.
- 2 Plug one end of the standard network cable into a LAN drop or hub and the other end into the Ethernet port on the back of the printer. The printer automatically adjusts for the network speed.



Use Category 5 cable with an RJ-45 connector for the standard network port.

Attaching the power cord



- 1** Plug one end of the printer power cord into the socket at the back of the printer and the other end into a properly grounded outlet.
- 2** Turn on the printer.

After the printer completes its internal tests, the **Ready** message indicates that the printer is ready to receive jobs.

If you see a message other than **Ready** on the display, follow these steps to clear the message:

 - a** Launch the publications CD.
 - b** Select your language.
 - c** Click **Printing**.
 - d** Click **Understanding printer messages**, and then follow the instructions on your screen.
- 3** Make sure your computer and any other peripherals are turned on.
- 4** Continue with "Verify printer setup" on page 32.

Step 9: Verify printer setup



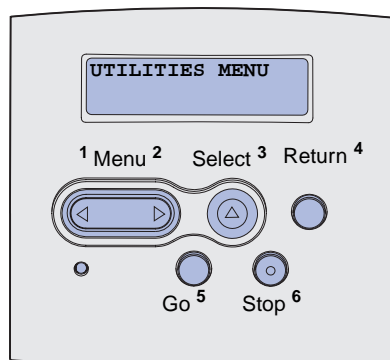
The menu settings page lists the default printer settings and all the options you purchased or installed. If a feature or an option is not listed, you may need to check your installation. For help printing the menu settings page, see page 33.

The network setup page provides information that is needed if you are attaching your printer to a network. For help printing the network setup page, see page 33.

If you set up your printer as a local printer (step 2 on page 2), this is a good time to verify that your computer and printer are communicating properly. For help printing a test page, see page 34.

Printing a menu settings page

Note: For more information about using the printer operator panel and changing menu settings, refer to the publications CD.



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

- 1 Make sure the printer is on.
- 2 Press **Menu** until you see **UTILITIES MENU**, and then press **Select**.
- 3 Press **Menu** until you see **Print Menus**, and then press **Select** to print the page. The message **Printing Menus** appears on the display.
- 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. See Step 6: "Install printer memory or firmware cards" on page 16 for more information.

- 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.

Printing a network setup page

Note: Save the network setup page after it prints. You will use it in the other steps.

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

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

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

Verify printer setup

Printing a local test page

If the printer is attached directly to your computer using a USB or parallel cable, print a test page to verify the printer and computer are communicating properly.

- 1 Click **Start** → **Settings** → **Printers**.
- 2 Select your printer.
- 3 Click **File** → **Properties**.
- 4 Click **Print Test Page**.

Printing Quick Reference information

Information about using the printer and clearing jams is included on the publications CD that shipped with your printer documentation.

We recommend you print this information and store it in a convenient location near the printer.

To print *Quick Reference* information stored on the CD:

- 1 Launch the CD.
- 2 Click **Quick Reference**.
- 3 Print the documents.

The same *Quick Reference* pages are stored in the printer. To print them:

- 1 Make sure the printer is on.
- 2 Press **Menu** until you see **Help Menu**, and then press **Select**.
- 3 When you see **Quick Reference**, press **Select**.

Step 10: Configure for TCP/IP

Complete this step only if you are setting up a network printer. If you are setting up a local printer, continue with Step 12: “Using the publications CD” on page 47.

If you have TCP/IP available on your network, we recommend that you assign an IP address to the printer.

Assigning a printer IP address

If your network is using DHCP, an IP address is automatically assigned after you connect the network cable to the printer.

- 1 Look for the address under the “TCP/IP” heading on the network setup page you printed in “Printing a network setup page” on page 33.
- 2 Go to “Verifying the IP settings” on page 36 and begin with step 2.

If your network is not using DHCP, then you must manually assign an IP address to the printer.

An easy way to do this is to use the printer operator panel:

- 1 Press **Menu** until you see **NETWORK MENU**, and then press **Select**.
- 2 Press **Menu** until you see **standard Network**, and then press **Select**.
- 3 Press **Menu** until you see **Std Net Setup** (or **Network 1 Setup** or **Network 2 Setup**), and then press **Select**.
- 4 Press **Menu** until you see **TCP/IP**, and then press **Select**.
- 5 Press **Menu** until you see **Set IP Address**, and then press **Select**.
- 6 Change the address by pressing **Menu** to increase or decrease each number. Press **Select** to move to the next segment. Press **Select** when you are finished.

Configure for TCP/IP

The message **Saved** appears briefly.

- 7** Press **Menu** until you see **Set IP Netmask**, and then press **Select**.
- 8** Repeat step 6 to set the IP Netmask.
- 9** Press **Menu** until you see **Set IP Gateway**, and then press **Select**.
- 10** Repeat step 6 to set the IP Gateway.
- 11** When you are finished, press **Go** to return the printer to the **Ready** state.
- 12** Go to “Verifying the IP settings”.

Verifying the IP settings

Note: To display a command prompt on a Windows computer, click **Start → Programs → Command prompt** (or **Accessories → Command prompt** if using Windows 2000).

- 1** Print another network setup page. Look under the “TCP/IP” heading and make sure the IP address, netmask, and gateway are what you expected.

See “Printing a network setup page” on page 33 if you need help.
- 2** Ping the printer and verify that it responds. For example, at a command prompt on a network computer, type **ping** followed by the new printer IP address (for example, **ping 192.168.0.11**).

If the printer is active on the network, you should receive a reply.

Step 11: Install drivers for network printing



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

Windows

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

Supported printer drivers

- Windows system printer driver
- Lexmark custom printer driver

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

Updated system and custom drivers are available on our Lexmark Web site at **www.lexmark.com**.

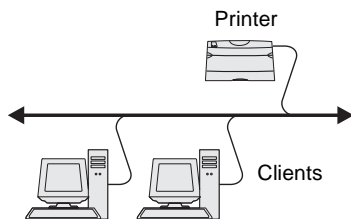
Note: Installing a custom driver will not replace the system driver. A separate printer object will be created and appear in the Printers folder.

For basic printer functionality, you can install a system printer driver. The system printer driver presents a consistent user interface for use with all the printers on your network. However, using a custom printer driver provides enhanced printer features and functionality, such as printer status alerts.

Follow the steps for your printing configuration and operating system to configure your network printer:

Printing configuration	Operating system	Go to page...
Direct <ul style="list-style-type: none"> Printer is connected directly to the network using a network cable, such as Ethernet. Printer drivers are typically installed on each network computer. 	Windows 98SE/Me, Windows NT 4.0, Windows 2000, Windows XP, or Windows Server 2003	38
	Windows 95 and Windows 98 (first edition)	39
Shared <ul style="list-style-type: none"> Printer is connected to one of the computers on the network using a local cable, such as USB. Printer drivers are installed on the computer attached to the printer. <p>During driver installation, the printer is set up to be “shared” so that other network computers can print to it.</p>	Windows NT 4.0, Windows 2000, Windows XP, or Windows Server 2003	40

Direct printing using Windows 98SE/Me, Windows NT 4.0, Windows 2000, Windows XP, and Windows Server 2003



Note: The port may be identified by a printer ID/host name or by the IP address of the printer.

To install a custom printer driver:

1 Insert the drivers CD.

If the CD does not auto launch, click **Start → Run**, and then type **D:\Setup.exe** in the Run dialog box.

2 Click **Install Software**.

3 Click **Printer and Software**.

4 Click **Agree** to accept the license agreement.

5 Select **Suggested**, and then click **Next**.

The Suggested option is the default installation for local and network-attached setup. If you need to install utilities, change settings, or customize device drivers, select **Custom**, and follow the instructions on your screen.

6 Select **Network Attached**, and then click **Next**.

7 If prompted, select the printer you are setting up, and then click **Next**.

8 Select the port you want to use, and then click **Finish**.

Install drivers for network printing

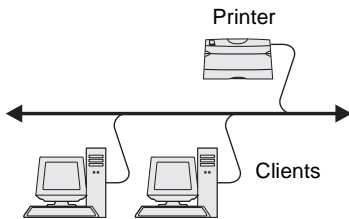
If your port is not listed, or you prefer to use a standard TCP/IP port, complete the following steps:

- a** Click **Add Port**.
- b** Select the port type.
- c** Enter the port name and IP address for the new port.

If you don't know the IP address, print a network setup page and look under the TCP/IP heading. For help, see "Printing a network setup page" on page 33.

- 9** Click **Done**.
- 10** Print a test page to verify printer installation.

Direct printing using Windows 95 and Windows 98 (first edition)



To install a custom printer driver:

- 1** Turn on your computer.
- 2** Click **Start** → **Settings** → **Printers**, and then double-click **Add Printer**.
- 3** When prompted, select **Network printer**.
- 4** Enter the network path or name of your network printer.
- 5** Select the manufacturer and model of your printer, and then click **Have Disk**.
- 6** Insert the drivers CD. If the CD launches automatically, click **Exit** to return to the Add Printer Wizard.
- 7** Specify the location of the custom printer driver on the drivers CD.

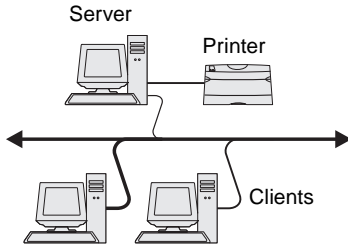
The path should be similar to the following:

X:\Drivers\Print\Win_9xMe\<language>

Where X=the letter of your CD-ROM drive. For example,
D:\Drivers\Print\Win_9xMe\English.

- 8** Click **Next**.
- 9** Follow the instructions on your screen to complete installing the drivers.

Shared printing from a server using Windows NT 4.0, Windows 2000, Windows XP, and Windows Server 2003



Note: If you are missing files, you may be prompted to provide the server operating system CD.

After connecting your printer to a Windows NT, Windows 2000, Windows XP, or Windows Server 2003 computer (which will act as a server), follow these steps to configure your network printer for shared printing:

Step 1: Install a custom printer driver

- 1** Insert the drivers CD.
If the CD does not auto launch, click **Start → Run**, and then type **D:\Setup.exe** in the Run dialog box.
- 2** Click **Install Software**.
- 3** Click **Printer and Software**.
- 4** Click **Agree** to accept the license agreement.
- 5** Select **Suggested**, and then click **Next**.
- 6** Select **Local Attached**, and then click **Finish**.
- 7** Select the port you are using to connect the printer to the computer, and then click **Next**.
- 8** Click **Done**.
- 9** Print a test page to verify printer installation.

Step 2: Share the printer on the network

- 1** Click **Start → Settings → Printers**.
- 2** Select the printer you just created.
- 3** Click **File → Sharing**.
- 4** Check the **Shared** check box, and then enter a name in the **Shared Name** text box.
- 5** In the Alternate Drivers section, select the operating systems of all the network clients that will print to the printer.
- 6** Click **OK**.
- 7** Check the following to make sure the printer was successfully shared.

- The printer object in the Printers folder now has a shared indicator. For example, in Windows NT 4.0, a hand appears under the printer object.
- Browse Network Neighborhood. Find the host name of the server and look for the shared name you assigned to the printer.

Step 3: Install the printer driver (or subset) on network clients

Using the point-and-print method

Note: This method is usually the best use of system resources. The server handles driver modifications and the print job processing. This lets network clients return to programs much faster.

With this method, a subset of driver information is copied from the server to the client computer. This is just enough information to send a print job to the printer.

- 1** On the Windows desktop of the client computer, double-click **Network Neighborhood**.
- 2** Locate the host name of the server computer, and then double-click the host name.
- 3** Right-click the shared printer name, and then click **Install**.
- 4** Wait a few minutes for the driver information to be copied from the server computer to the client computer, and for a new printer object to be added to the Printers folder. The time this takes varies, based on network traffic and other factors.
- 5** Close Network Neighborhood.
- 6** Print a test page to verify printer installation.

Using the peer-to-peer method

With this method, the printer driver is fully installed on each client computer. Network clients retain control of driver modifications. The client computer handles the print job processing.

- 1** Click **Start → Settings → Printers**.
- 2** Click **Add Printer** to launch the Add Printer wizard.
- 3** Click **Network Print Server**.
- 4** Select the network printer from the Shared printers list. If the printer is not listed, enter the path of the printer in the text box.

The path looks similar to the following:

Install drivers for network printing

Note: If this is a new printer, you may be prompted to install a printer driver. If no system driver is available, then you will need to provide a path to available drivers.

\\<server host name>\<shared printer name>

The server host name is the name of the server computer that identifies it to the network. The shared printer name is the name assigned during the server installation process.

- 5 Click **OK**.
- 6 Select whether you want this printer to be the default printer for the client, and then click **Finish**.
- 7 Print a test page to verify printer installation.

Macintosh

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

A PostScript Printer Description (PPD) file must be installed on each computer used to print to a network printer. In addition, the computer must also have either a desktop printer (Mac OS 8.6 to 9.x) or a print queue in Print Center (Mac OS X). A print queue can be created either through AppleTalk or IP Printing. Follow the instructions for your operating system to install a PPD file and create a desktop printer or print queue:

Operating system	Go to page...
Mac OS 8.6 to 9.x	42
Mac OS X	43

Mac OS 8.6 to 9.x

Note: Installing the custom PPD is required only if this is the first time the printer has been set up. If the printer was previously installed, go to “Step 2: Create a desktop printer”.

Step 1: Install a custom PPD file

- 1 Insert the drivers CD.
- 2 Double-click **Classic**.
- 3 Double-click the **Lexmark Installer** icon.
- 4 Select the language of your operating system, and then click **OK**.
- 5 Click **Install** to install the PPD file for your printer.

Step 2: Create a desktop printer

- 1** In the Chooser, select the **LaserWriter 8** driver.
- 2** If you have a routed network, select the default zone from the list. If you don't know which zone to select, look on the network setup page under AppleTalk for Zone.
- 3** Select the new printer from the list.
- 4** If you don't know which printer to select, look on the network setup page under the AppleTalk heading to find the default name of the printer.
- 5** Click **Create**.
- 6** Make sure there is an icon next to the printer name in the Chooser.
- 7** Close the Chooser window.
- 8** Verify printer installation.
 - a** Click the desktop printer icon you just created.
 - b** Choose **Printing → Change Setup**.
 - If the PPD file displayed in the PostScript Printer Description (PPD) file portion of the menu is correct for your printer, then printer setup is complete.
 - If the PPD file displayed in the PostScript Printer Description (PPD) file portion of the menu is not correct for your printer, repeat "Step 1: Install a custom PPD file" on page 43.

Mac OS X

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

Step 1: Install a custom PPD file

- 1** Insert the drivers CD.
- 2** Double-click the installer package for your printer.
- 3** On the Authorization screen, choose **Click the lock to make changes**.
- 4** Enter your password, and then click **OK**.
- 5** Click **Continue** on the Welcome screen and again after you view the Readme file.

Note: A PPD for your printer is also available in a downloadable software package on our Lexmark Web site at www.lexmark.com.

- 6** Click **Continue** after you view the license agreement, and then click **Agree** to accept the terms of the agreement.
- 7** Select a Destination, and then click **Continue**.
- 8** On the Easy Install screen, click **Install**. All the necessary software is installed on your computer.
- 9** Click **Close** when installation is complete.

Step 2: Create a print queue in Print Center

Using AppleTalk

Follow these steps to create a print queue using AppleTalk. To create an IP print queue, see “Using IP Printing” on page 45.

Note: If you don’t know which zone or printer to select, look on the network setup page under the AppleTalk heading.

- 1** Open Finder, click **Applications**, and then click **Utilities**.
- 2** Double-click **Print Center**.
- 3** Choose **Add Printer** from the Printers menu.
- 4** Choose **AppleTalk** from the pop-up menu.
- 5** Select the AppleTalk zone from the list.
- 6** Select the new printer from the list, and then click **Add**.
- 7** Verify printer installation:
 - a** Open Finder, click **Applications**, and then click **TextEdit**.
 - b** Choose **Print** from the File menu.
 - c** Choose **Summary** from the Print Panel menu.
 - d** Do one of the following:
 - *If the PPD file displayed in the Summary window is correct for your printer, then printer setup is complete.*
 - *If the PPD file displayed in the Summary window is not correct for your printer, delete the printer from printer list in Print Center and repeat “Step 1: Install a custom PPD file” on page 43.*

Using IP Printing

Follow these steps to create a print queue using IP Printing. To create an AppleTalk print queue, see “Using AppleTalk” on page 44.

- 1** Open Finder, click **Applications**, and then click **Utilities**.
- 2** Double-click **Print Center**.
- 3** Choose **Add Printer** from the Printers menu.
- 4** Choose **IP Printing** from the pop-up menu.
- 5** Enter the IP address or the printer DNS name in the Printer's Address box.
- 6** Choose **Lexmark** from the Printer Model pop-up menu.
- 7** Select the new printer from the list, and then click **Add**.
- 8** Verify printer installation:
 - a** Open Finder, click **Applications**, and then click **TextEdit**.
 - b** Choose **Print** from the File menu.
 - c** Choose **Summary** from the Print Panel menu.
 - d** Do one of the following:
 - *If the PPD file displayed in the Summary window is correct for your printer, then printer setup is complete.*
 - *If the PPD file displayed in the Summary window is not correct for your printer, delete the printer from printer list in Print Center and repeat “Step 1: Install a custom PPD file” on page 43.*

UNIX/Linux

Note: The Sun Solaris and Linux packages are available on the drivers CD and on our Lexmark Web site at www.lexmark.com.

Your printer supports many UNIX and Linux platforms, such as Sun Solaris and Red Hat. Visit our Lexmark Web site at www.lexmark.com for a complete list of supported UNIX and Linux platforms.

Lexmark provides a printer driver package for each supported UNIX and Linux platform. The *User's Guide* in each package gives detailed instructions for installing and using Lexmark printers in UNIX and Linux environments.

You can download these packages from our Lexmark Web site. You may also find the driver package you need on the drivers CD.

NetWare

Your printer supports both Novell Distributed Print Services (NDPS) and regular queue-based NetWare environments. For the latest information about installing a network printer in a NetWare environment, launch the drivers CD and click **View Documentation**.

Step 12: Using the publications CD



Viewing the CD contents

Note: The publications CD is shipped inside the *Setup Guide*.

Launch the publications CD and browse the contents to see a complete list of the available information.

The type of helpful information provided on the publications CD includes:

- Tips for successful printing
- Ways to improve print quality
- Information about using the printer operator panel
- Instructions for replacing supplies
- Solutions to common printing problems
- Methods for clearing paper jams
- Overview of printer menus
- Explanation of printer messages

Distributing the information

You can give users access to the information on the publications CD in several ways:

- Give the publications CD to a system administrator or the Help desk.
- Copy the entire contents of the CD (or just specific topics) to a shared network drive or intranet site.
- Print the information on the publications CD and store it near the printer for easy access.
- Send Lexmark's printer documentation URL to printer users (**www.lexmark.com/publications**). Users with Internet access can browse the site.

Using the publications CD

Congratulations!

You are now ready to use your new printer. Save this book if you anticipate purchasing printer options in the future.