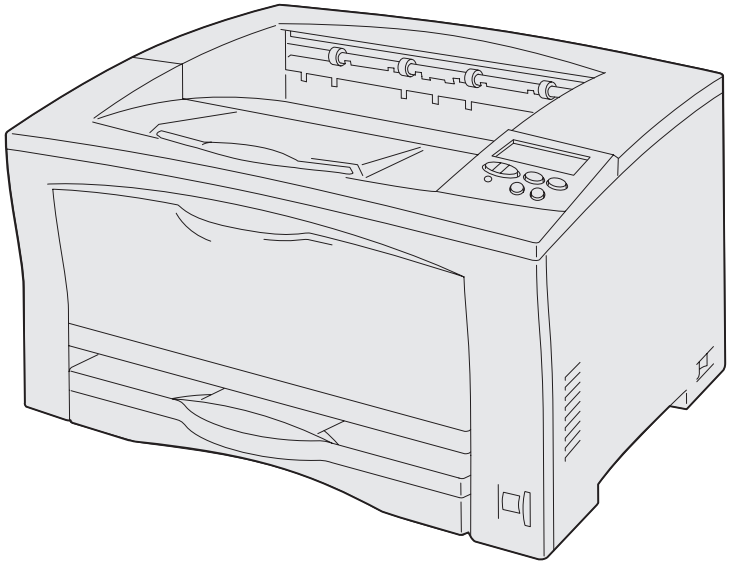
LEXMARK™

W812

Setup Guide



July 2002

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FCC emissions information

This device complies with the limits for a Class B digital device (without network cable attached) and for a Class A digital device (with network cable attached), 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 Lab Operations
Lexmark International, Inc.
740 West New Circle Road
Lexington, KY 40550
(859) 232-3000

Refer to the *Publications* CD for more details.

Safety information

- The power cord must be connected to a properly grounded 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

It may help you to recognize the caution, warning, and note conventions used in this book. These appear in the left column for easy reference.

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

Warning! A warning identifies something that could damage your printer hardware or software.

Note: A note provides information you may find useful.

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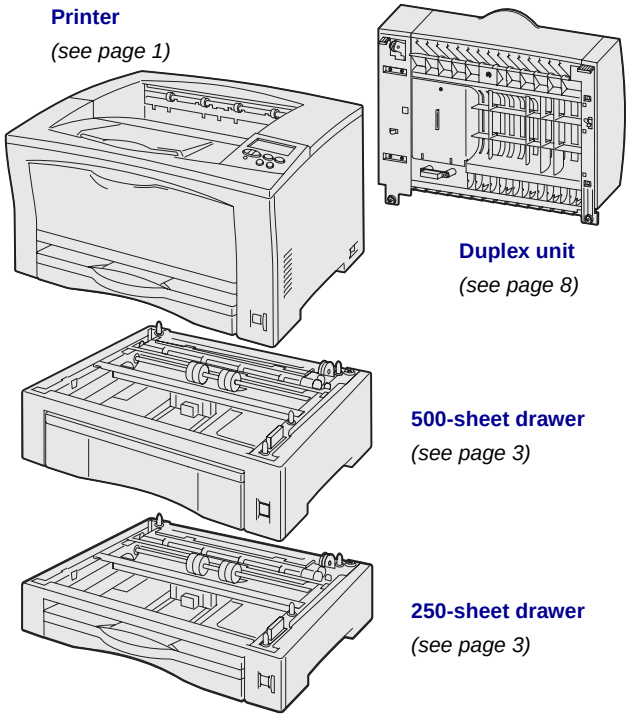
Introduction

About the printer



Printer
(see page 1)

Duplex unit
(see page 8)

500-sheet drawer
(see page 3)

250-sheet drawer
(see page 3)

Your printer is available in two models:

- **Lexmark™ W812**, with 300 to 600 dots per inch (dpi) resolution, 16MB of standard memory, one 250-sheet tray, and USB and parallel connectors.
- **Lexmark W812n**, a network model with 32MB of standard memory, an Ethernet 10BaseT/100BaseTX network port, and a USB connector.

You can purchase several options for your printer. Launch the *Publications CD* and click **Printer Overview** for more information.

Other sources of information

If you need more information after you complete setup, refer to the other printer documentation.

Lexmark W812 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 Lexmark's Web site at www.lexmark.com/publications.

Quick Reference and Clearing Paper Jams cards

The *Quick Reference* card and *Clearing Paper Jams* card provide easy access to information about loading print media, printing confidential jobs, understanding common printer messages, and clearing paper jams.

Drivers CD

The drivers CD contains the necessary printer drivers to get your printer up and running.

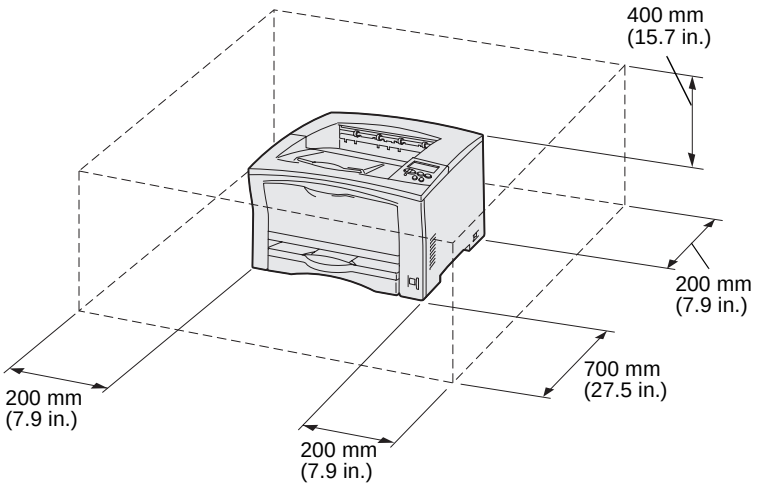
It may also contain printer utilities, screen fonts, and additional documentation.

Lexmark's Web site

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

Step 1: Unpack the printer

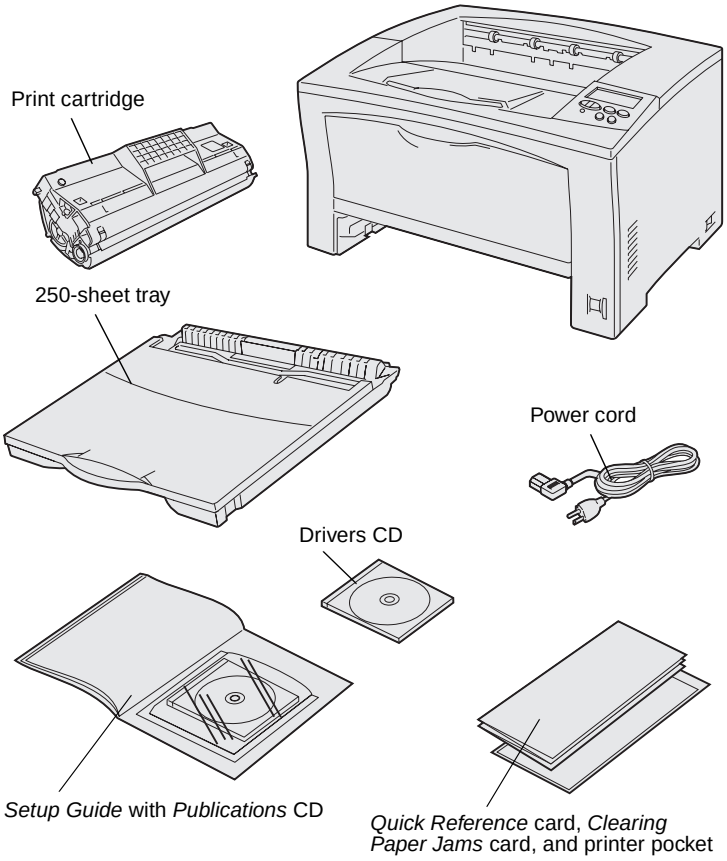
CAUTION! The printer weighs 19 kg (41.9 lb) and requires two people to lift it safely.



Note: When an optional duplex unit is installed, the rear clearance should be 500 mm (19.7 in.).

1 Select a location for your printer.

- Leave enough room to open the printer trays, covers, doors, and options. It is also important to allow space around the printer for proper ventilation.
- Provide the proper environment:
  - A firm, level surface
  - Away from the direct airflow of air conditioners, heaters, or ventilators
  - Free of direct sunlight, humidity extremes, or temperature fluctuations
  - Clean, dry, and free of dust



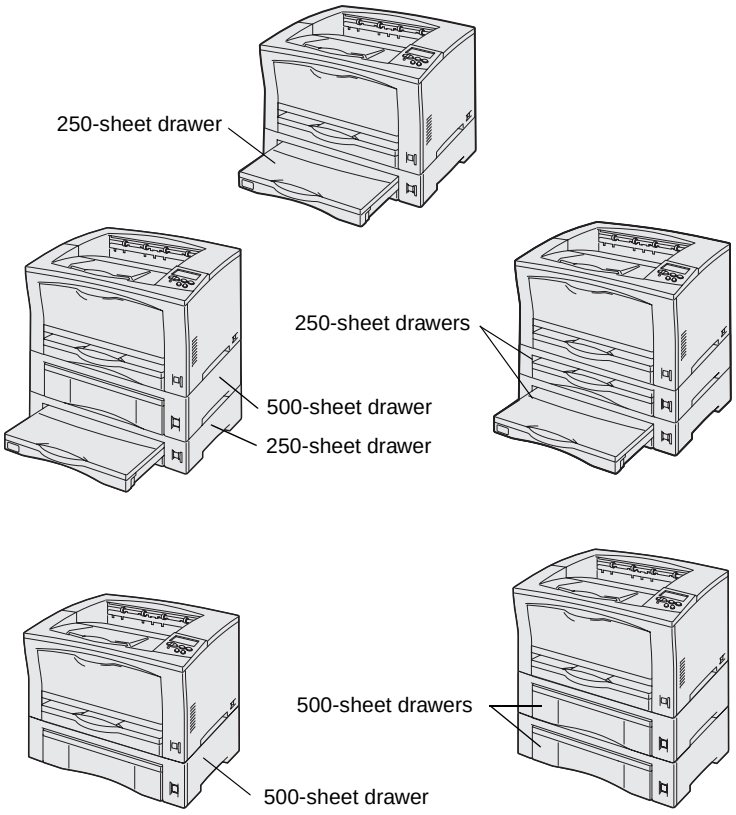
2 Remove all items from the box. Make sure you have the following items:

- Printer with one 250-sheet tray
- Power cord
- Print cartridge
- *Setup Guide* with a *Publications* CD
- *Quick Reference* card, *Clearing Paper Jams* card, and printer pocket
- Drivers CD

If any items are missing or damaged, refer to the *Publications* CD for the designated Lexmark support phone number for your country.

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

Step 2: Install optional drawers



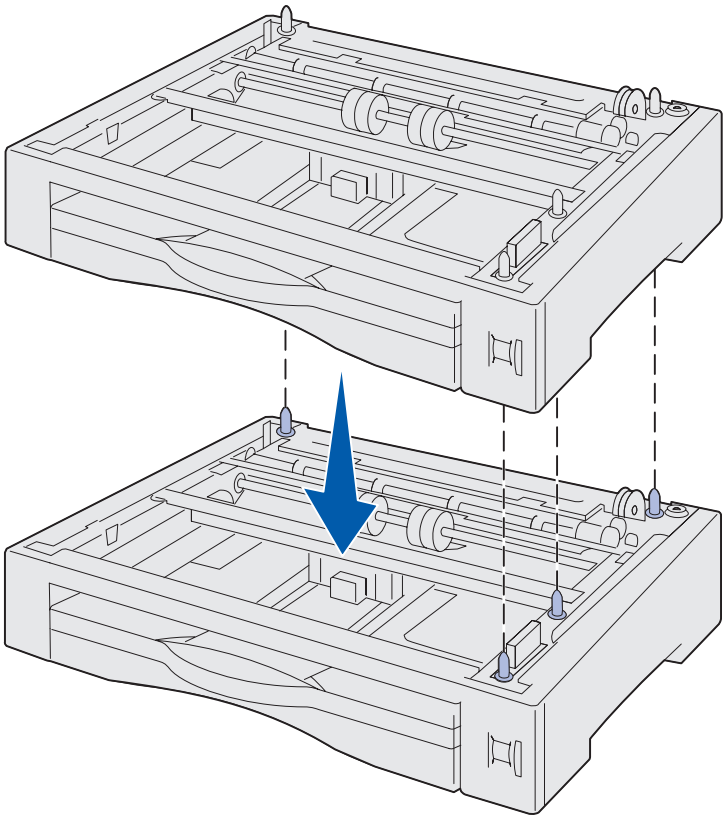
Your printer supports up to two additional paper drawers:

- **250-sheet drawer**—supports paper sizes up to A3 and ledger.
- **500-sheet drawer**—supports either A4 or letter size paper only, depending on which 500-sheet drawer you purchase.

The illustration shows the possible drawer configurations.

Follow these instructions to install either a 250-sheet drawer or a 500-sheet drawer:

1. Unpack the optional drawer and remove any packing material.



2 Place the drawer in the location you have chosen for your printer.

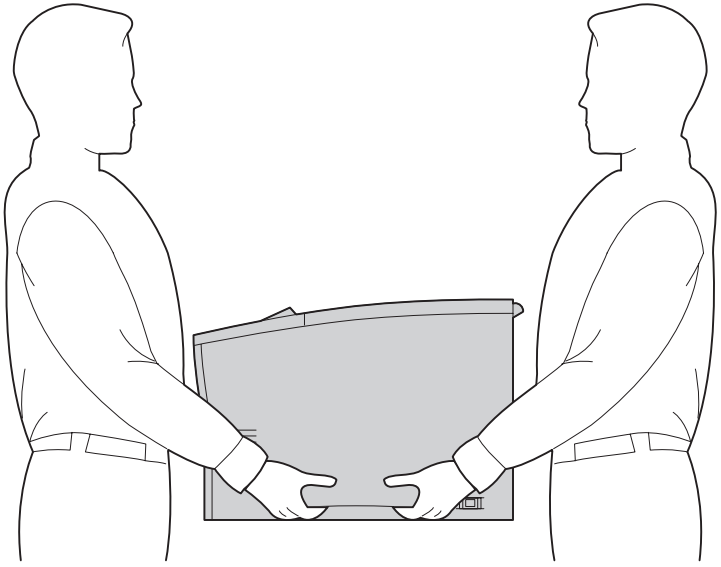
If you are installing the drawer on top of another drawer, align the guide pins on the bottom drawer with the holes in the bottom of the top drawer.

3 Install another drawer, or continue with Step 3: “Position the printer” on page 5.

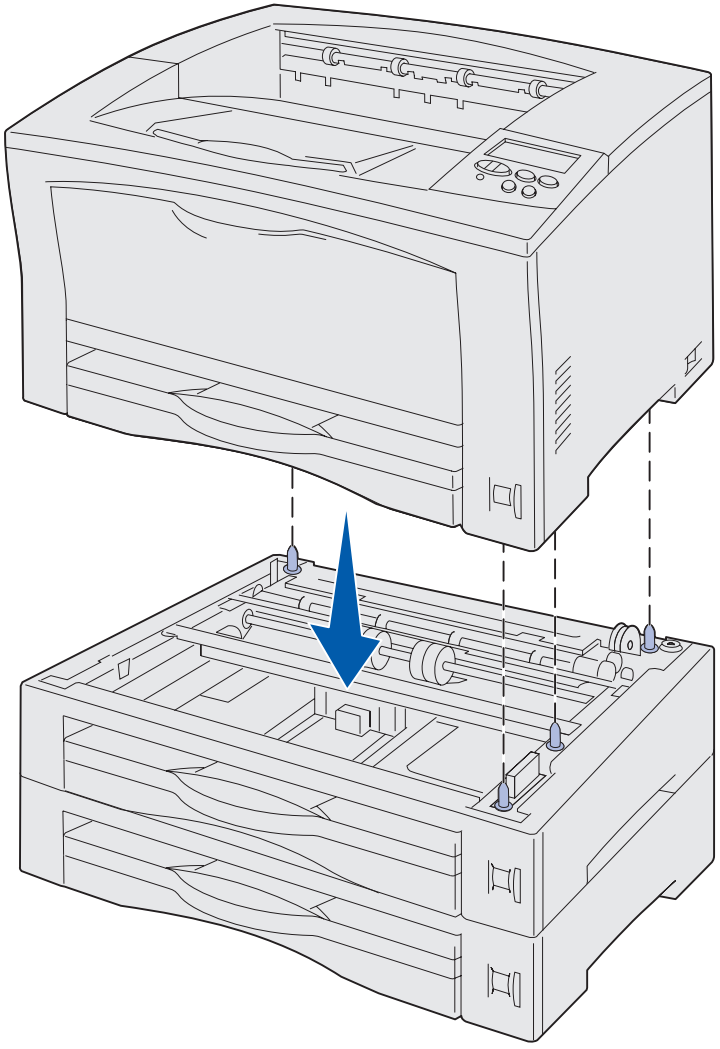
Step 3: Position the printer

Once you have selected a location and set up any optional drawers, you are ready to position the printer.

CAUTION! The printer weighs 19 kg (41.9 lb) and requires two people to lift it safely.



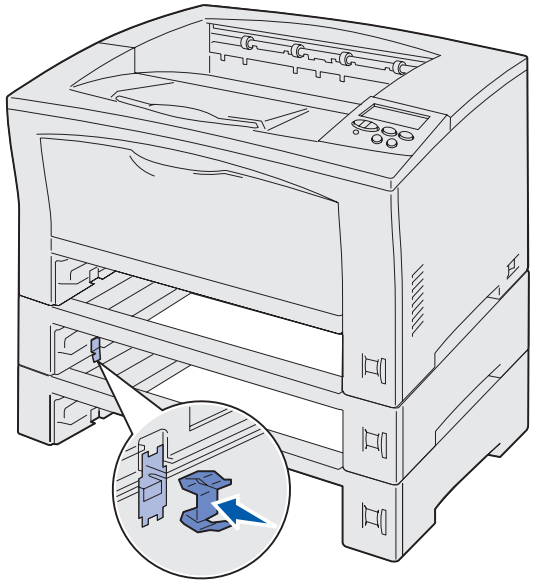
1. Have someone help you lift the printer using the handholds on the sides of the printer.
2. Place the printer in the location you have chosen.

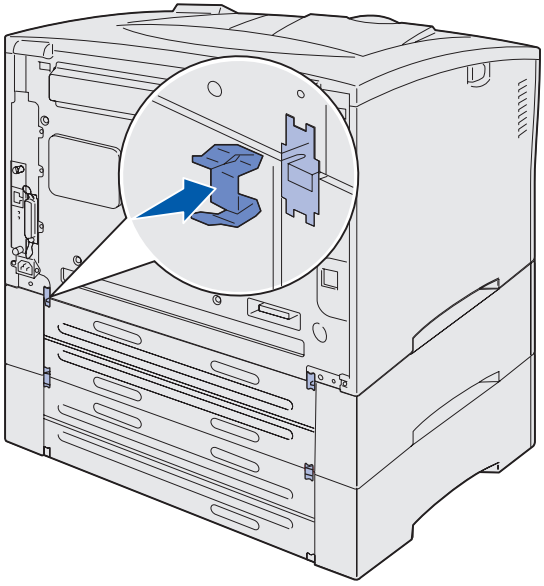


If you are installing the printer on an optional drawer:

a Align the guide pins on the drawer with the holes in the bottom of the printer.

Make sure the printer is seated securely on the option.





b Remove the trays.

c Attach locking clips at the insertion point between the top drawer and the printer.

There are two insertion points in the front and two in the rear.

d Attach locking clips at the insertion point between any optional drawers.

There are two insertion points in the front and two in the rear.

e Insert the trays into the printer.

3 Remove any tape or packing material from the outside of the printer.

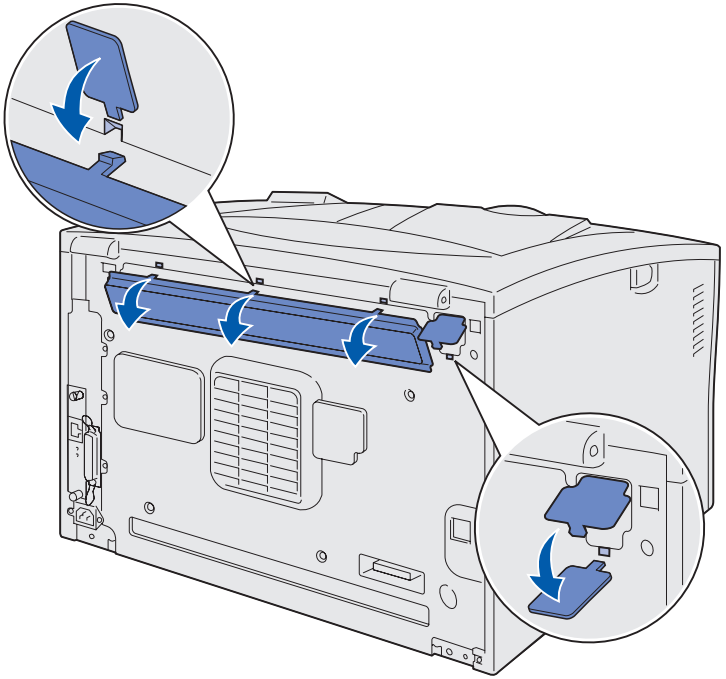
What do I do next?

Task	Go to page…
Install an optional duplex unit	8
Install the print cartridge	11

Step 4: Install an optional duplex unit

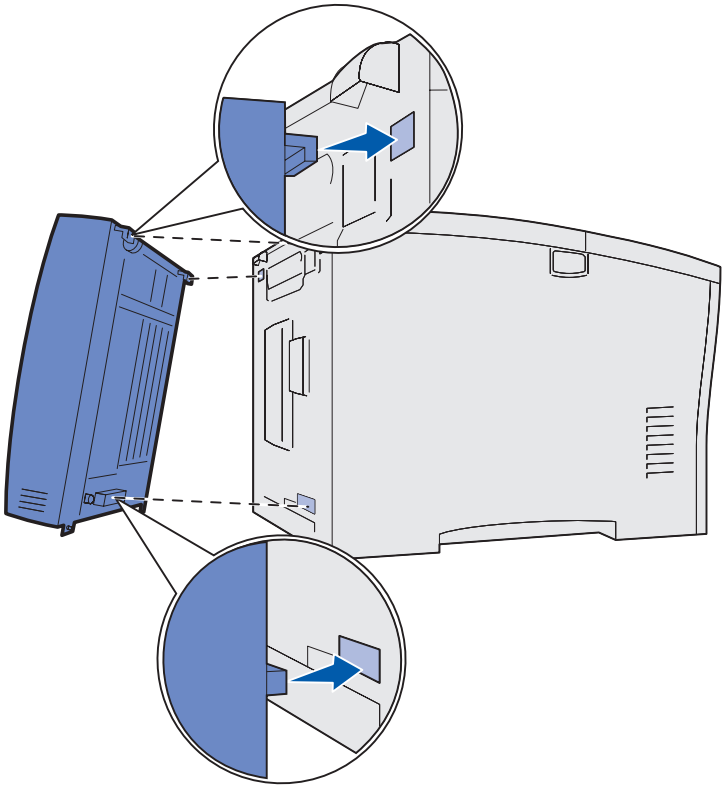
CAUTION! If you are installing a duplex unit sometime after setting up the printer, turn the printer off and unplug the power cord before continuing.

Note: You need a small Phillips screwdriver to install the duplex unit.



Your printer supports an optional duplex unit that lets you print on both sides of a sheet of paper.

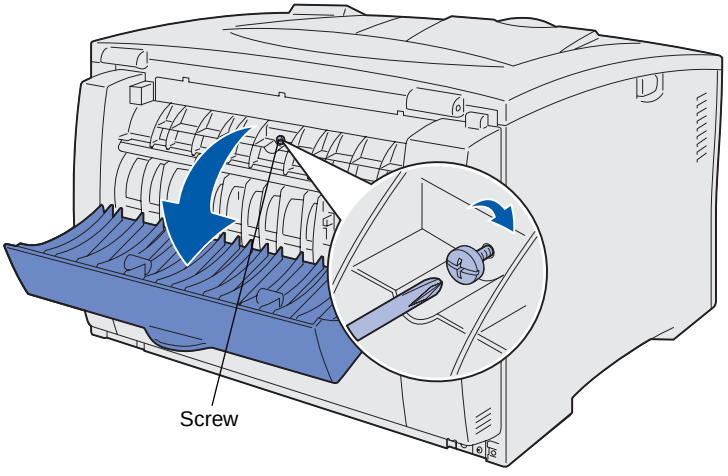
1. Unpack the duplex unit and remove any packing material.
2. Use the special tool packed with the duplex unit to remove the two duplex covers on the back of the printer.



3 Insert the two tabs on the top edge of the duplex unit into the holes in the back of the printer.

4 Lower the duplex unit into place.

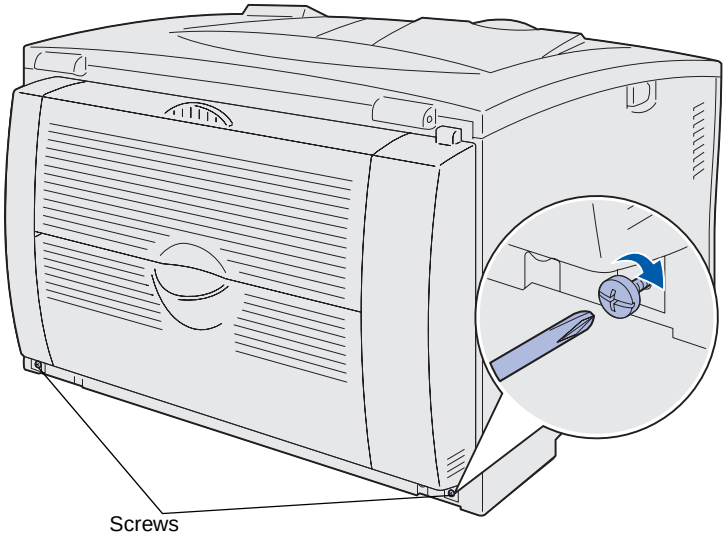
Make sure the connector near the bottom of the duplex unit connects properly with the printer.



5 Open the duplex unit upper cover.

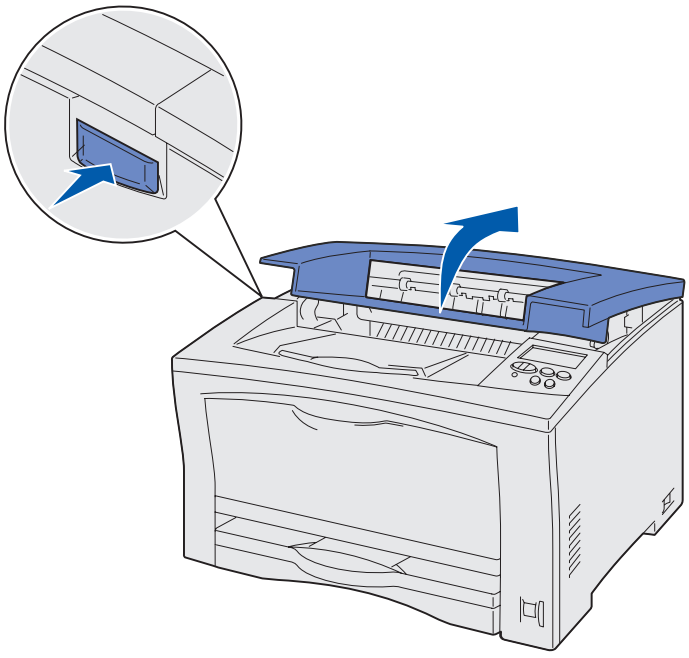
6 Tighten the attached screw in the center of the duplex unit.

7 Close the cover.



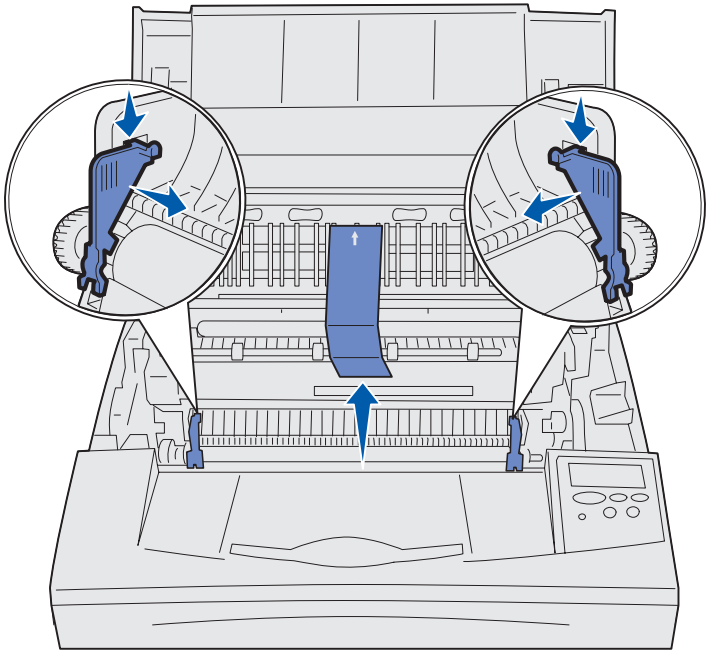
8 Tighten the attached screws on the lower left and right of the duplex unit.

Step 5: Install the print cartridge



Follow these instructions to install the print cartridge:

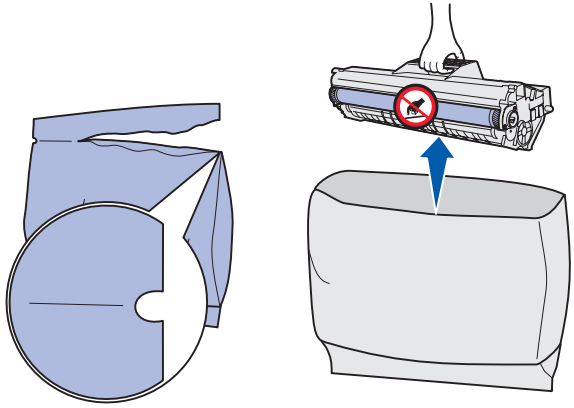
1. Press the release button on the left side of the printer, and then open the top cover.



2 Push down and in on the orange plastic packing tabs inside the printer to remove them.

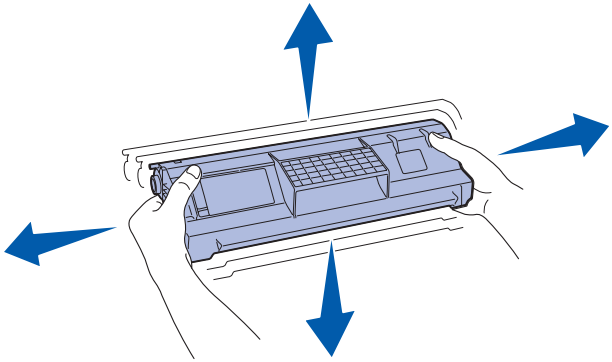
Discard the tabs.

3 Remove all cardboard or other packing material from inside the printer.

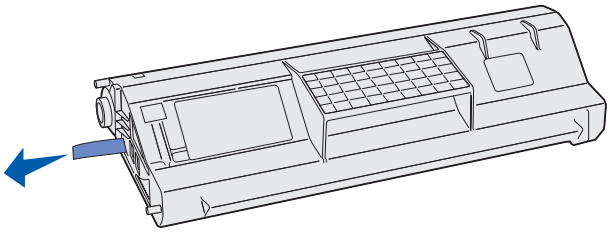


4 Remove the print cartridge from its packing materials.

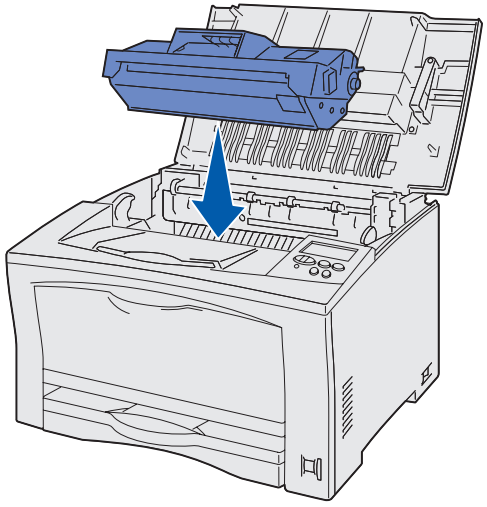
Warning! Do not touch the photoconductor drum on the bottom of the print cartridge.



5 Gently shake the cartridge in all directions to distribute the toner.



6 Place the cartridge on a flat surface and remove the toner seal.



7 Align the cartridge with the grooves in the printer.

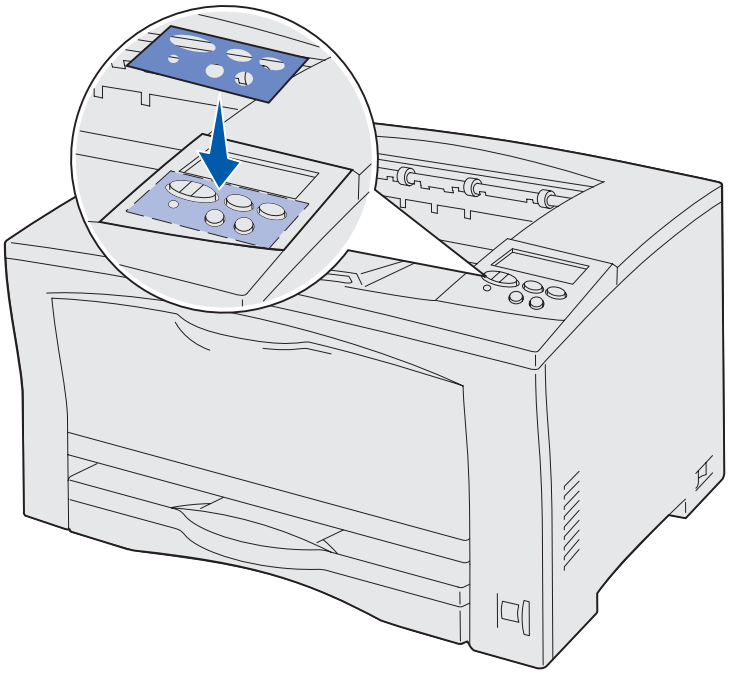
8 Insert the cartridge as far as it will go.

9 Close the top cover.

What do I do next?

Task	Go to page…
Apply an operator panel overlay	14
Load paper	15

Step 6: Apply an operator panel overlay



If English is not your preferred language and your printer shipped with an operator panel overlay, attach the overlay that has the appropriately translated button names:

1. Peel the protective backing off the overlay.
2. Align the holes in the overlay with the buttons on the operator panel, and then press it into place.
3. Peel the protective covering away from the overlay.

Refer to the *Publications* CD for instructions on changing the language of the text displayed on the operator panel.

Step 7: Load paper

Your printer has one standard tray with a capacity of 250 sheets and a multipurpose feeder with a capacity of 150 sheets, for a total capacity of 400.

If you have installed optional drawers, your printer can hold anywhere from 650–1,400 sheets, depending on the configuration.

Note: For information about loading envelopes or other specialty media, refer to the *Publications* CD or the *Quick Reference* card.

The following table lists page numbers where you can find loading instructions for each tray.

Source	Paper sizes supported	Paper types supported	Capacity (sheets)	Go to page...
Tray 1	A3, A4, A5, JIS B4, JIS B5, letter, legal, 8.5x13, 11x17, universal	Plain paper	250[1]	16
Trays 2 and 3 (250-sheet drawer)	A3, A4, A5, JIS B4, JIS B5, letter, legal, 8.5x13, 11x17, universal	Plain paper, transparencies, labels, card stock	250[1]	
Trays 2 and 3 (500-sheet letter drawer)	Letter	Plain paper	500[1]	21
Trays 2 and 3 (500-sheet A4 drawer)	A4			
Multipurpose feeder	A3, A4, A5, B4, JIS B4, B5, JIS B5, letter, legal, executive, 8.5x13, statement, 11x17, universal	Plain paper, transparencies, labels, card stock	• 150 – paper[1] • 75 – labels or transparencies • 50 – card stock[2]	22
	7¾, 10, DL, C5, other	Envelopes	10 envelopes	

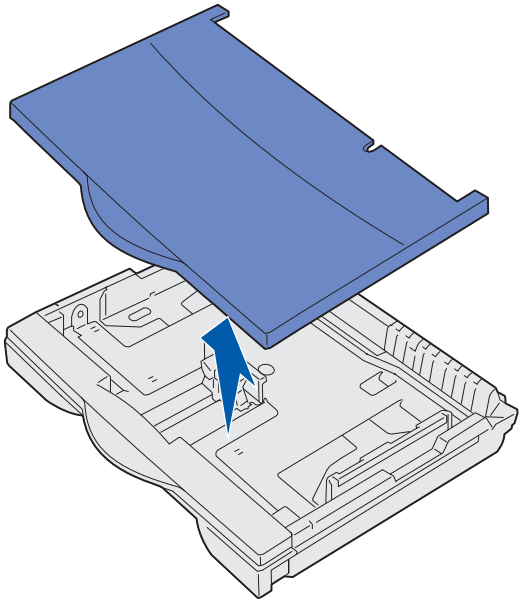
[1] 75 g/m^2 (20 lb) [2] 190 g/m^2 (50 lb)

Loading 250-sheet trays

Follow these instructions to load paper into any of the 250-sheet trays. Do not exceed the recommended capacity (see page 15).

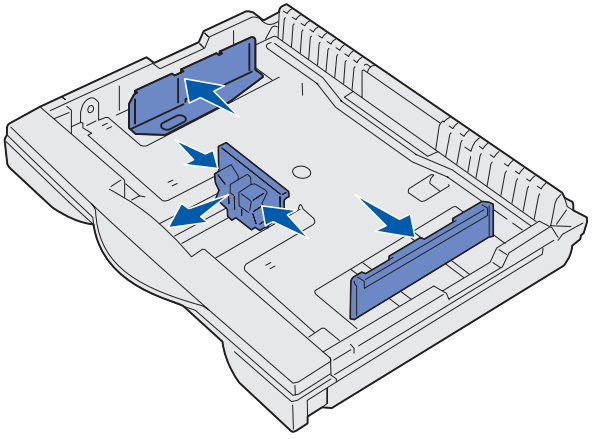
Loading letter, A4, A5, or JIS B5 size paper

Follow these instructions to load paper that is long-edge fed into the printer.

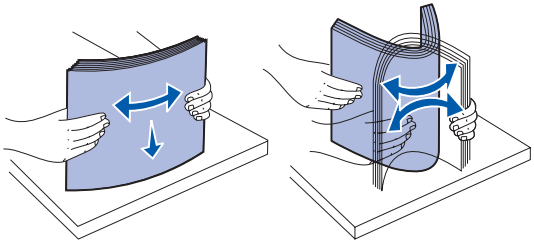


1. Remove the tray, and then set it on a flat surface.
2. Remove the tray cover.

   Make sure all packing materials have been removed from inside the tray.

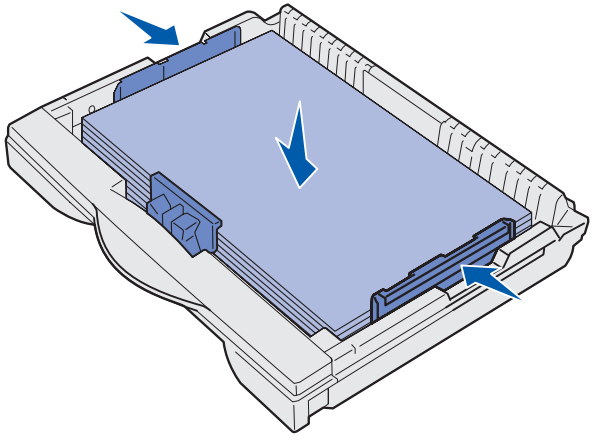


3. Squeeze the front guide lever and slide the guide to the front of the tray.
4. Slide the side guides toward the edges of the tray.



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.

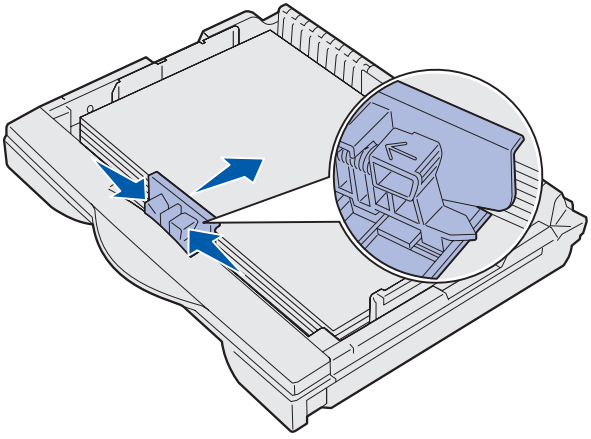


6 Place the paper against the back of the tray, print side up.

Do not load bent or wrinkled paper.

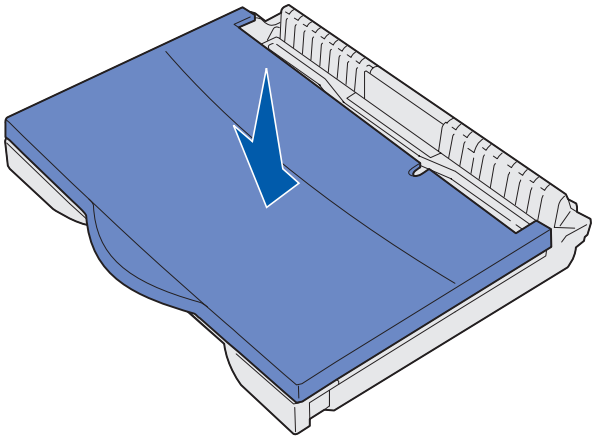
7 Slide the side guides until they lightly touch the stack of paper.

Warning! Do not exceed the maximum stack height indicated on the tray. Overfilling the tray may cause jams.

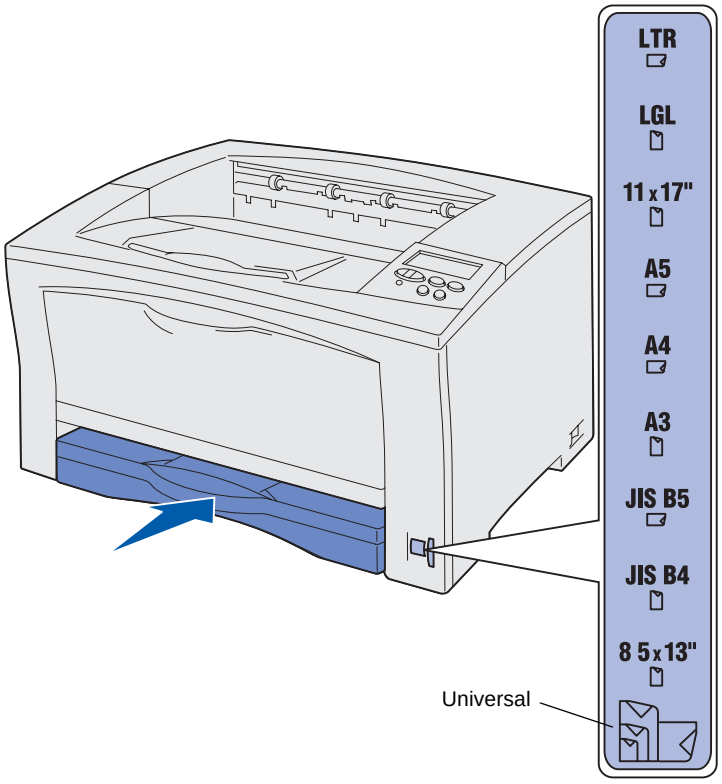


8 Squeeze the front guide lever and slide it back until it touches the stack of paper. The guide should be aligned with the correct indicator for the paper size loaded.

Make sure the edges of the paper fit underneath the extension on the front guide.



9 Replace the tray cover.



10 Insert the tray.

11 Adjust the paper size dial to match the size of the paper loaded in the tray.

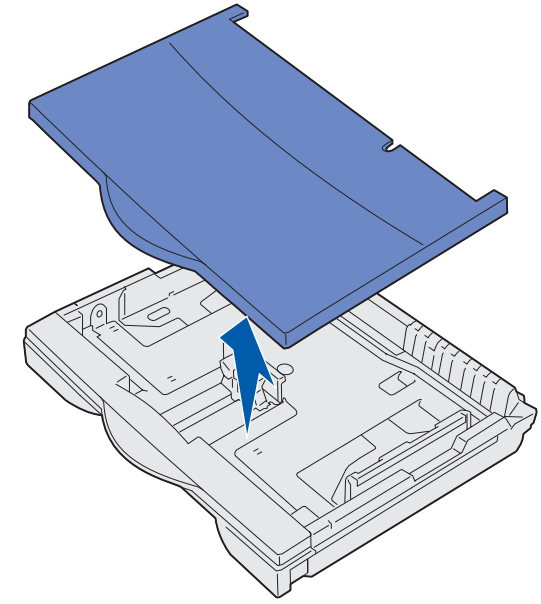
12 Select the paper type and paper source from the operator panel.

You will also need to select the paper size, type, and source from your software application when you send a job to print.

Warning! Paper jams or errors may occur if the paper size dial is set incorrectly.

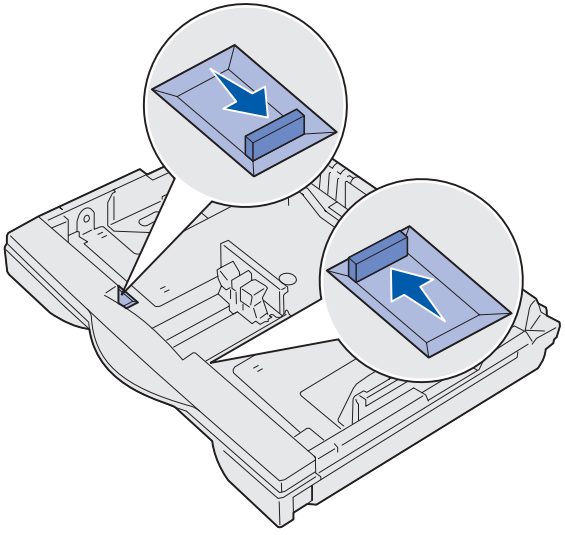
Loading A3, JIS B4, legal, 8.5x13, or 11x17 size paper

Follow these instructions to load paper that is short-edge fed into the printer.

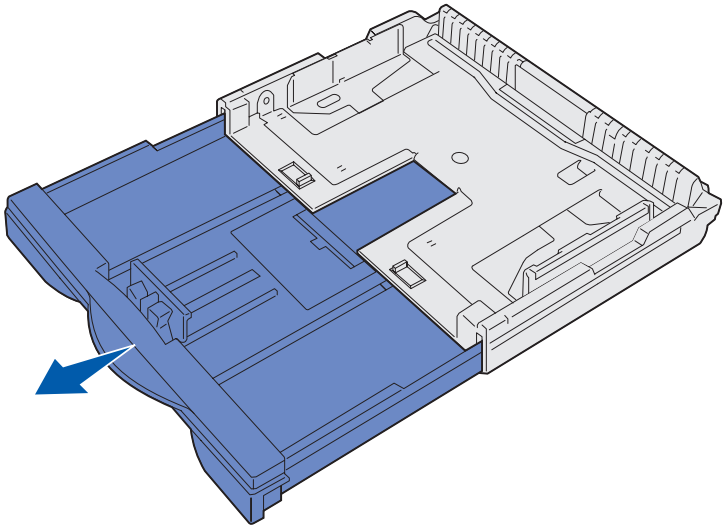


1. Remove the tray, and then set it on a flat surface.
2. Remove the tray cover.

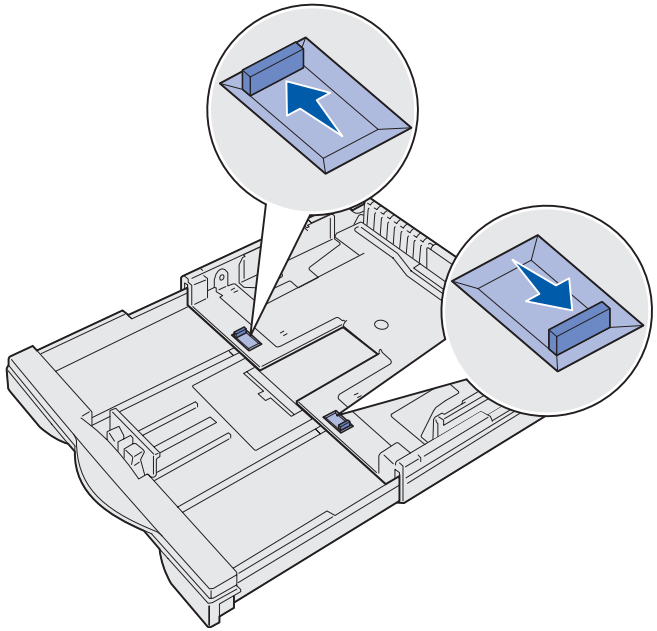
   Make sure all packing materials have been removed from inside the tray.



3. Slide the locking mechanisms on the left and right sides of the tray inward to unlock the extension.



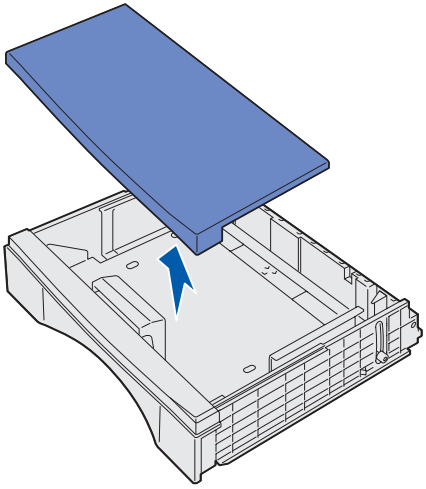
4 Pull the extension out until it stops.

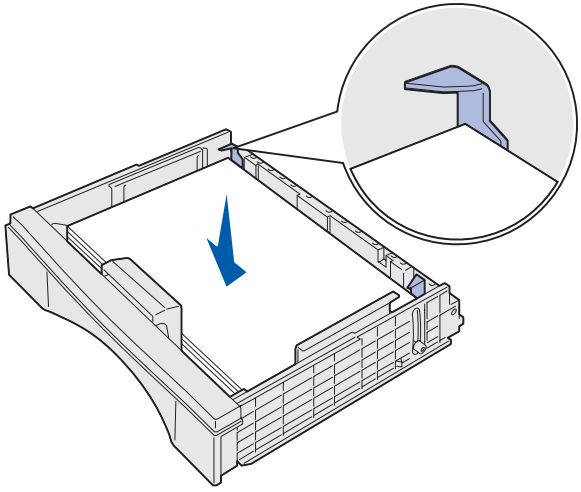


5 Slide the locking mechanisms outward to lock the extension in place.

6 Follow steps 3 through 12 under “Loading letter, A4, A5, or JIS B5 size paper” on page 16 to finish loading the tray.

Loading 500-sheet trays





Follow these instructions to load A4 or letter size paper into a 500-sheet tray, depending on which tray you purchased. Do not exceed the recommended capacity (see page 15).

1. Remove the tray, and then set it on a flat surface.
2. Remove the tray cover.

   Make sure all packing materials have been removed from inside the tray.
3. Flex the sheets of paper back and forth to loosen them, and then fan them.

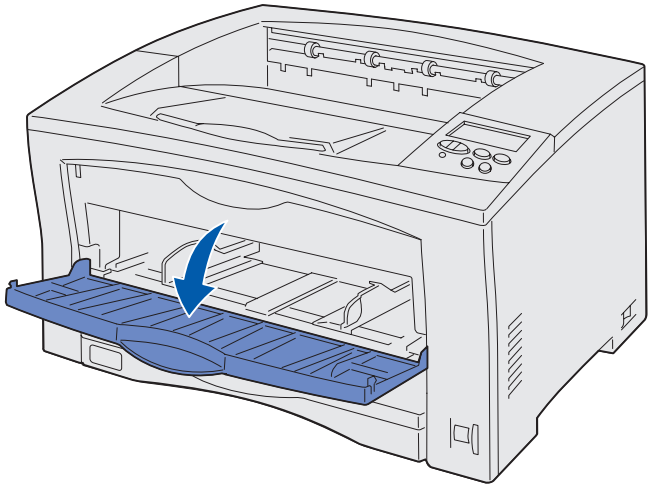
   Do not fold or crease the paper. Straighten the edges of the stack on a level surface.
4. Place the paper against the back of the tray, print side up.

   Make sure the paper is under both corner bucklers and lying flat in the tray.
5. Replace the tray cover.
6. Insert the tray.
7. Select the paper type and paper source from the operator panel.

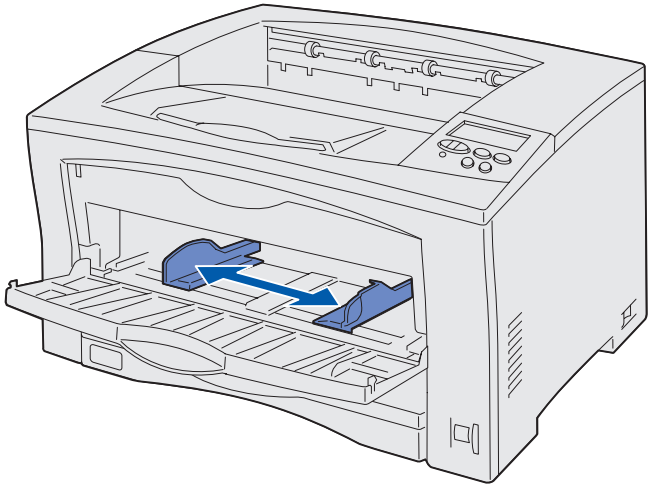
   You will also need to select the paper size, type, and source from your software application when you send a job to print.

Loading the multipurpose feeder

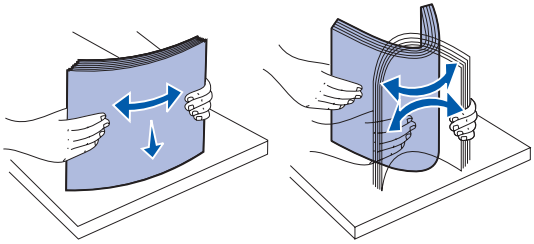
Follow these instructions to load paper into the multipurpose feeder. Do not exceed the recommended capacity (see page 15).



1 Open the multipurpose feeder.

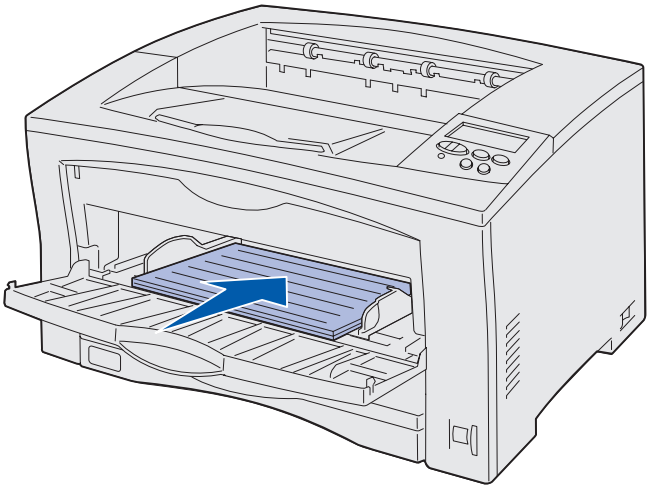


2 Slide the side guides to the correct position for the size paper you are loading.



3 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.



4 Insert the paper, print side up, into the multipurpose feeder until it touches the insertion point.

Do not force the paper.

Warning! Do not exceed the maximum stack height indicated on the feeder. Overfilling the feeder may cause jams.

5 Select the paper size, paper type, and paper source from the operator panel.

You will also need to select the paper size, type, and source from your software application when you send a job to print.

What do I do next?

Task	Go to page…
Install memory, firmware, or option cards	24
Attach cables	34

Step 8: Install memory, firmware, or option cards

You can customize your printer memory capacity and connectivity by adding optional cards.

CAUTION! If you are installing memory or option cards sometime after setting up the printer, turn the printer off and unplug the power cord before continuing.

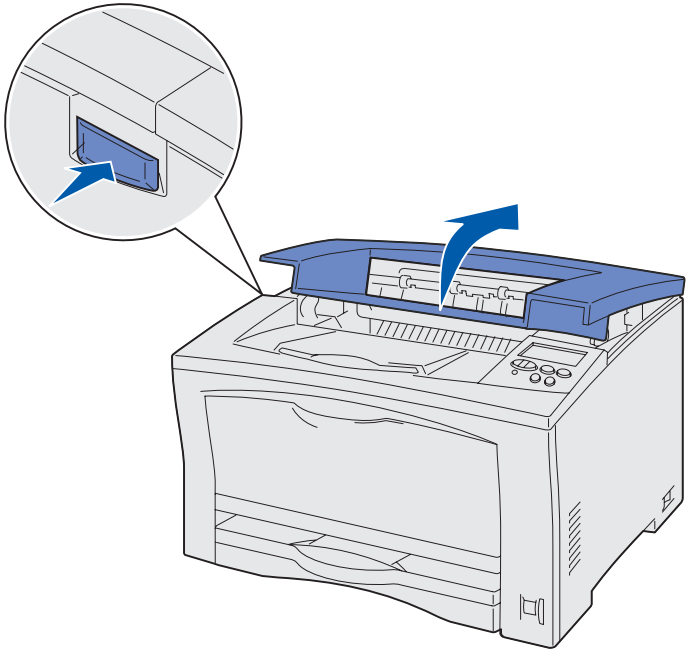
The instructions in this section help you install any of the following:

- Memory cards
  - Printer memory
  - Flash memory
- Firmware cards
  - Additional functionality
  - Internet capabilities
- Option cards
  - Hard disk with adapter card
  - MarkNet™ internal print servers (also called internal network adapters or INAs)
  - RS-232C Serial/Parallel 1284-C Interface Card

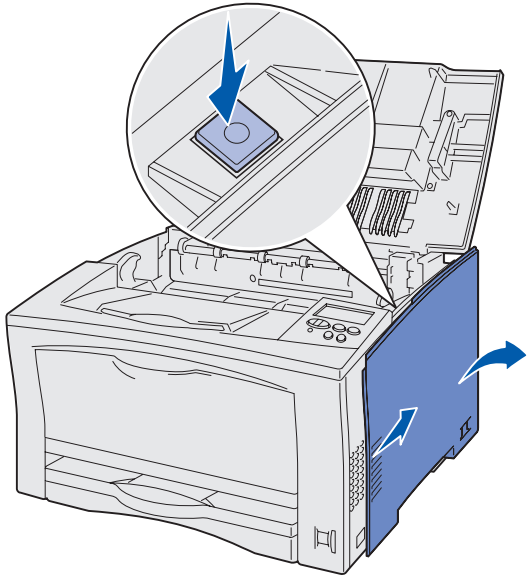
Note: You need a small Phillips screwdriver to remove the system board access panel and to install some of the cards.

Removing the system board access panel

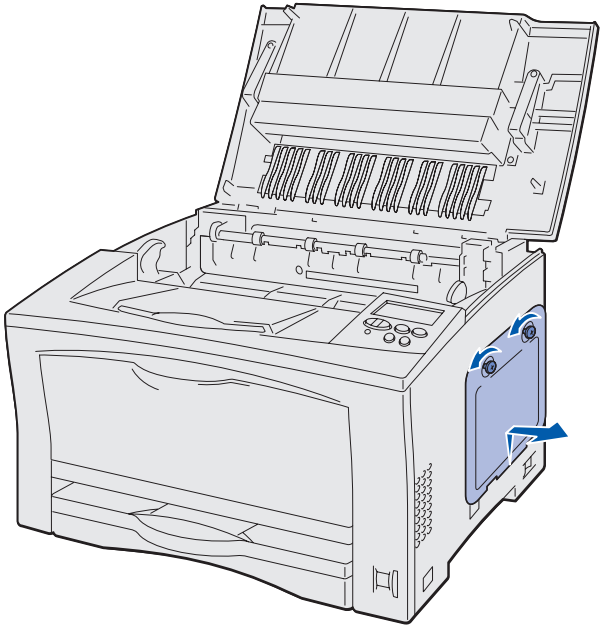
Follow these instructions to remove the printer system board access cover and panel:



1. Press the release button on the left side of the printer, and then open the top cover.



2. While pushing the side release button, slide the right cover toward the rear of the printer.
3. Lay the cover down to remove it.



4 Loosen the screws on the access panel and remove the panel.

What do I do next?

Task	Go to page…
Install a memory card	27
Install a firmware card	28
Install an option card	30

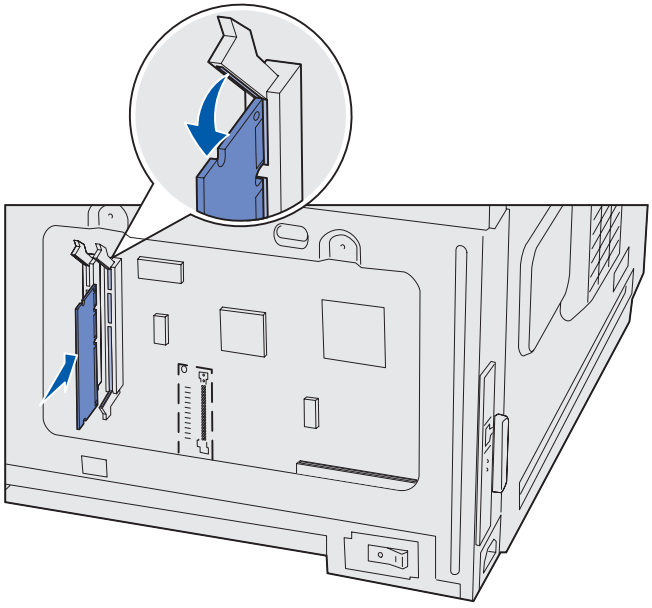
Installing a memory card

Follow the instructions in this section to install either a printer memory card or a flash memory card.

Note: Some memory options offered for other Lexmark printers cannot be used with your printer. Refer to the *Publications* CD for memory specifications.

The system board has two connectors for optional memory cards. You can install any combination of printer memory and flash memory cards. However, the printer only recognizes one flash memory card at a time.

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



1. Remove the system board access panel (see page 25).
2. Unpack the memory card.

   Avoid touching the connection points along the edge of the card. Save the packaging.
3. Push open the latches on both ends of the memory connector you want to use.
4. Align the notches on the bottom of the card with the notches on the connector.
5. Push the memory card firmly into the connector until the latches on either end of the connector *snap* into place.

   It may require some force to fully seat the card.
6. Make sure each latch fits over the notch on the end of the card.

What do I do next?

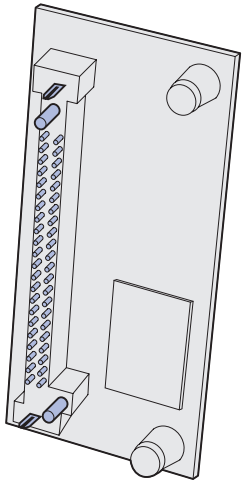
Task	Go to page…
Install a firmware card	28
Install an option card	30
Reinstall the system board access panel	32

Installing a firmware card

Follow the instructions in this section to install an optional firmware card. The system board has one location to install a firmware card.

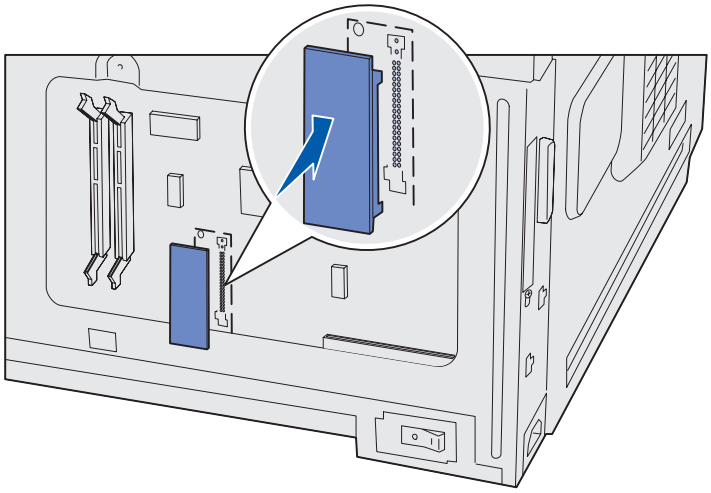
Note: Firmware cards for other Lexmark printers cannot be used with this printer.

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



1. Remove the system board access panel (see page 25).
2. Unpack the firmware card.

   Avoid touching the metal pins on the bottom of the card. Save the packaging.
3. Holding the card by its sides, align the pins on the card with the holes on the system board.



4 Push the firmware card firmly into place.

The entire length of the connector on the firmware card must touch the system board.

Be careful not to damage the contacts on the card connector.

After reinstalling the system board access panel, we recommend that you apply the Option Added label to your printer. See “Applying the Option Added label” on page 33.

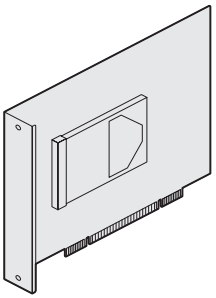
What do I do next?

Task	Go to page…
Install an option card	30
Reinstall the system board access panel	32
Apply the Option Added label	33

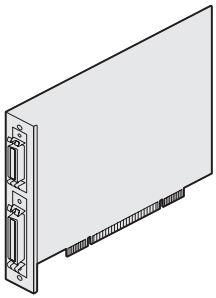
Installing an option card

Your printer has one option card slot that supports the following option cards:

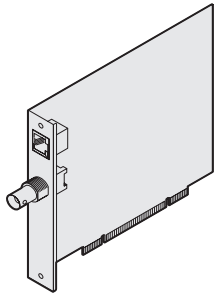
- Hard disk with adapter card
- MarkNet internal print server
- RS-232C Serial/Parallel 1284-C Interface Card



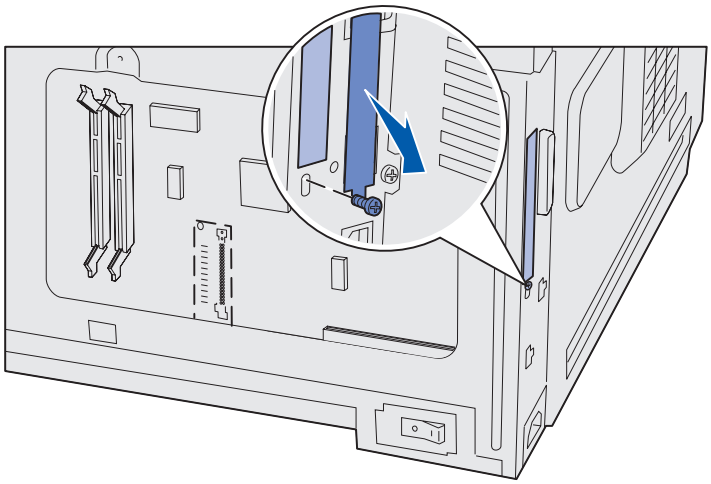
Install a hard disk with adapter card to add additional storage space to your printer.



Install an RS-232C Serial/Parallel 1284-C Interface Card to add a serial port or a parallel port.



Install a MarkNet internal print server to add an Ethernet or Token-Ring port for connecting your printer to a network.

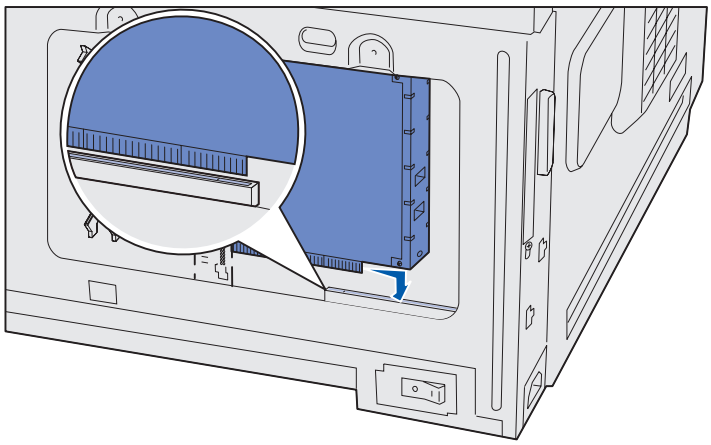


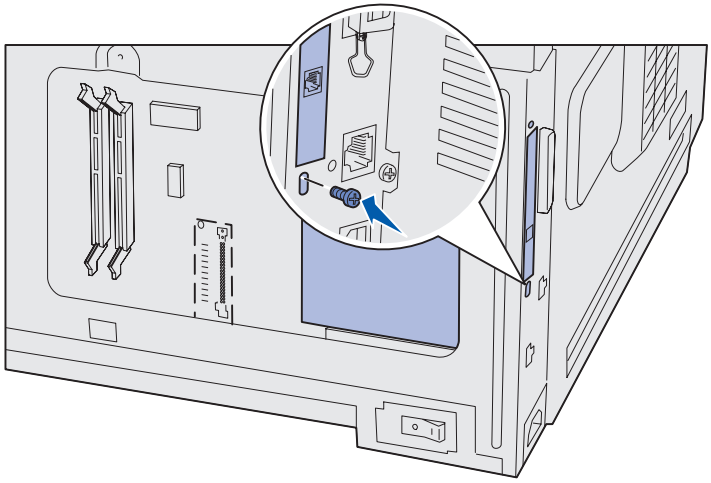
Follow the instructions in this section to install your option card:

1. Remove the system board access panel (see page 25).
2. Remove the screw from the metal plate that covers the connector slot, and then lift the plate off.

   Save the screw.

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





3 Unpack the option card.

Save the packing materials.

4 Align the connector on the option card with the connector on the system board.

The cable connectors on the side of the option card must fit through the connector slot.

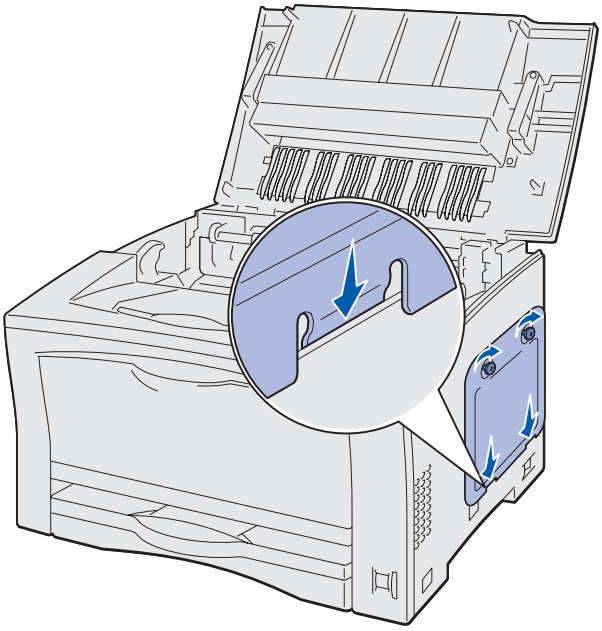
5 Push the option card firmly into the option card connector.

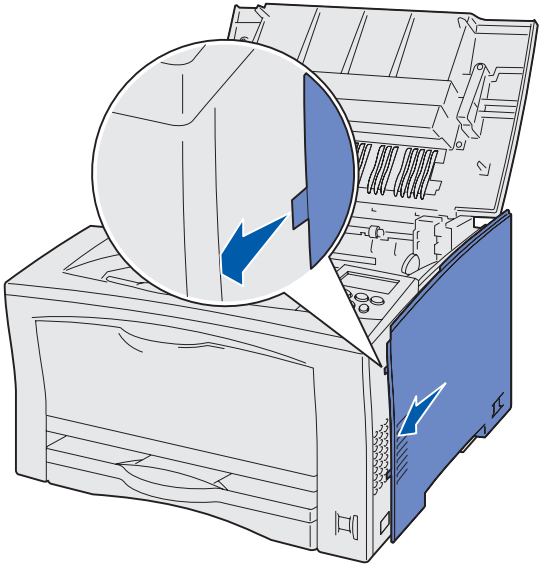
6 Secure the card to the system board with the screw.

What do I do next

Task	Go to page…
Reinstall the system board access panel	32

Reinstalling the system board access panel





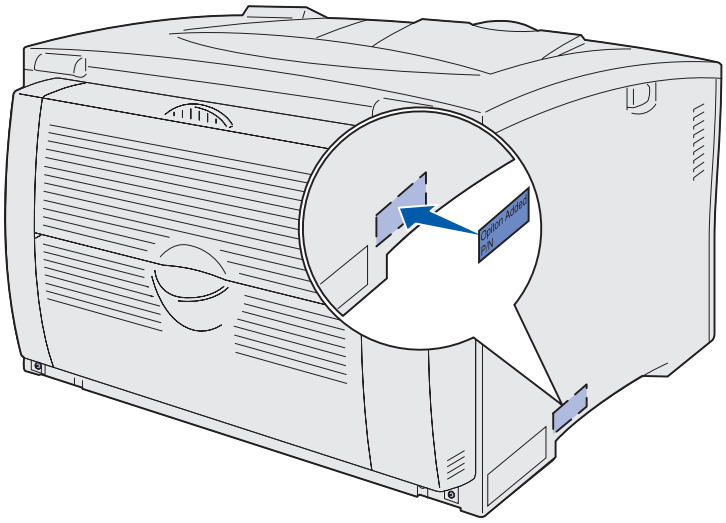
Follow these instructions to reinstall the printer system board access cover and panel.

1. Insert the metal tab on the bottom of the access panel behind the printer frame, and then secure the panel with the screws.
2. Insert the two tabs at the front of the right cover behind the printer frame, and then align the back of the cover.
3. Slide the right cover forward.

   Be sure the cover securely engages with the printer frame.
4. Close the top cover.

If you installed a firmware card in your printer, see the following section for information about applying the Option Added label.

Applying the Option Added label



The Option Added label alerts service personnel that an option has been installed.

Follow these instructions to apply the Option Added label:

1. Remove the backing from the Option Added label.
2. Place the label next to the printer model and serial number label.

Step 9: Attach cables

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

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

Setting up for network printing

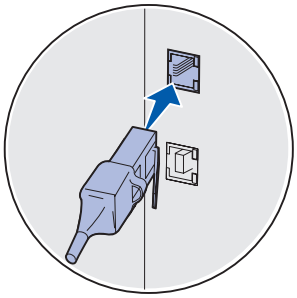
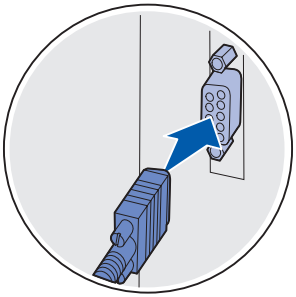
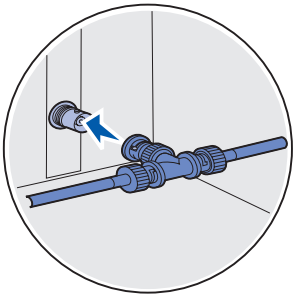
You can attach your printer to a network using standard network cables.

Note: A 10BaseT/100BaseTX Fast Ethernet port is standard on the Lexmark W812n.

To attach the printer to a network:

1. Make sure the printer is turned off and unplugged.
2. Connect the printer to a LAN drop or hub using standard cabling that is compatible with your network:
   - Token-Ring or Ethernet 10BaseT/100BaseTX networks (Category 5 Ethernet cable with a RJ-45 connector)
   - Token-Ring networks (Shielded Twisted Pair cable with a DB9 connector)
   - Ethernet 10Base2 networks (Thin Coax cable with a BNC T-connector)

The printer automatically adjusts for the network speed.

 Token-Ring, Ethernet 10BaseT, or Ethernet 100BaseTX networks (Category 5) use an RJ-45 connector.	 Token-Ring networks (Shielded Twisted Pair) use a DB9 connector.	 Ethernet 10Base2 networks (Thin Coax) use a BNC T-connector.

Setting up for local printing

You can attach your printer locally using either a USB or parallel port. A parallel port is standard on the base model, or available as an option card (see “Installing an option card” on page 30 for more information).

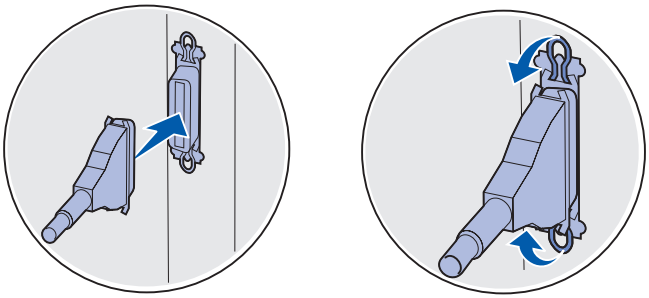
All Windows operating systems support parallel connections. However, only the Windows 98 SE, Windows Me, Windows 2000, and Windows XP operating systems support USB connections.

Some UNIX, Linux, and Macintosh computers also support USB connections. Refer to your computer operating system documentation to see if your system supports USB.

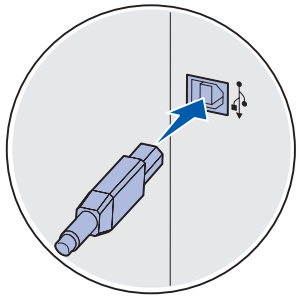
To attach the printer to a computer:

1. Make sure the printer, computer, and any other attached devices are turned off and unplugged.
2. Connect the printer to the computer using a USB, parallel, or serial 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]).



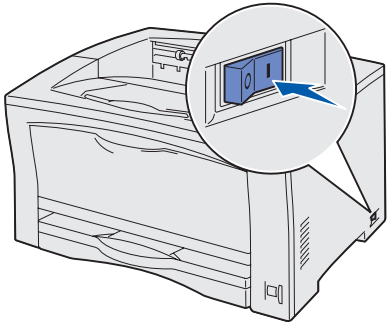
Use an IEEE-1284 compliant parallel cable to ensure that you can access all of your printer functions.



Be sure to match the USB symbol on the cable to the USB symbol on the printer.

Step 10: Verify printer setup

Turning on the printer

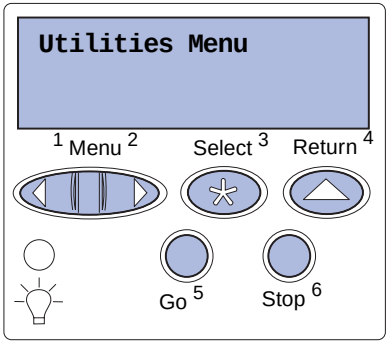


1. Plug one end of the power cord into the socket at the back of the printer and the other end into a properly grounded outlet.
2. Turn on the printer. If the printer is attached locally (directly to a computer), leave the computer and any other attached devices turned off. You will turn these on in a later step.

   The message **`Performing Self Test`** appears on the operator panel display while the printer warms up.

   After the printer completes its internal tests, the **Ready** message indicates the printer is ready to receive jobs. If you see a message other than **Ready**, refer to the *Publications* CD for instructions on clearing the message. Click **Printing**, and then **Understanding printer messages**.

Printing a menu settings page



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

1. Press **Menu** until you see Utilities Menu, and then press **Select**.
2. Press **Menu** until you see Print Menus, and then press **Select** to print the page.

   The message **`Printing Menus`** appears on the display.
3. 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.
4. Verify the amount of memory installed is correctly listed under “Printer Information.”

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

5 Verify that the paper trays are configured for the sizes and types of paper you loaded.

6 If you attached your printer to a network, continue with “Printing a network setup page” on page 38.

Printing a network setup page

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

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

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

2 Press **Menu** until you see Print Net Setup, and then press **Select**. The network setup page prints and the printer returns to **Ready** status.

3 Check the first section on the network setup page and confirm that Status is “Connected.”

If Status is “Not Connected,” your LAN drop may not be active or your network cable may be malfunctioning. Consult your network support person for a solution, and then print another network setup page to verify the connection to your network.

Save the network setup page for later use.

What do I do next?

Task	Go to page…
Configure for TCP/IP	39
Install printer drivers	41

Step 11: Configure for TCP/IP

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 38.
2. Go to “Verifying the IP settings” on page 40 and begin with step 2.

Note: You can find instructions for other methods of setting the IP address in the online documentation on the drivers CD that shipped with your printer. Launch the CD, click **View Documentation**, and then **Network Printer Install**.

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

One of the easiest ways is to use the 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**.

   Standard Network appears if you purchased a printer with a network port on the printer system board. If you have a MarkNet print server installed in the option card, you see Network Option 1.
3. Press **Menu** until you see Std Net Setup (or Network 1 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.

   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.

Verifying the IP settings

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 38 if you need help.

Note: On Windows computers, click Start ▸ Programs ▸Command prompt (or Accessories ▸ Command prompt if using Windows 2000).

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, 192.168.0.11):

   ```
   ping xxx.xxx.xxx.xxx
   ```

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

Configuring for Pull Printing

If your printer has an optional Lexmark ImageQuick™ firmware card installed, you can configure for Pull Printing once an IP address is assigned to the printer.

For detailed configuration instructions, refer to the CD that shipped with the Lexmark ImageQuick card.

Step 12: Install printer drivers

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

The following table is a quick guide to finding the printer driver installation instructions you need.

Type of printer installation	Network environment or operating system	Go to page...
Network (Ethernet or Token-Ring connections)	Windows 95/98/Me, Windows NT 4.0, Windows 2000, and Windows XP	41
	Macintosh	42
	UNIX/Linux	43
	NetWare	43
Local (parallel or USB connections)	Windows 95/98/Me, Windows NT 4.0, Windows 2000, and Windows XP	44
	Macintosh	44
	UNIX/Linux	45

Configuring for network printing

After you have assigned and verified the TCP/IP settings, you are ready to configure the printers and set up your network clients to print to them.

Windows

In Windows network environments, printers can be configured for direct printing or for shared printing.

Supported network printer ports

- Microsoft IP port—works with Windows NT 4.0, Windows 2000, Windows XP

- Lexmark network port—works with Windows 95/98/Me, Windows NT 4.0, Windows 2000, and Windows XP)

Supported printer drivers

Note: Using a custom printer driver and a custom network port provides enhanced functionality, such as printer status alerts.

- 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 the Lexmark Web site at www.lexmark.com.

Supported printing methods

- Direct IP printing—when you just want to print directly to a printer on your network
- Shared printing (point and print, peer-to-peer)—when you need to centrally manage network printers or you want to print to a serial printer over a network

Detailed information about using each of these printing methods is on the drivers CD. Click **View Documentation** and look for information about network printer installation.

Creating ports and installing drivers

Read the detailed instructions on the drivers CD. Click **View Documentation** and look for information about network printer installation for your specific Windows environment.

If you choose to install without using the instructions on the drivers CD, you need a basic understanding of network printing on TCP/IP networks, installing printer drivers, and the process involved in creating new network ports.

Macintosh

Your printer connects automatically to AppleTalk networks and becomes readily visible to other computers on the network.

Note: A network-attached printer is connected directly to the network using a standard network cable, such as Ethernet.

Depending upon your operating system, you must do one of the following on each computer you want to be able to print to the network-attached printer:

- For Mac OS X (10.1.2), you must create a print queue in the Print Center.
- For Mac OS 8.6–9.x, you must create a desktop printer object (icon).

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

The PPD for your printer is on the drivers CD. Launch the PPD installer for your operating system and follow the instructions.

A PPD for your printer is also available in a downloadable software package from Lexmark's Web site at www.lexmark.com.

Detailed instructions for performing these tasks are in the online documentation on the drivers CD that shipped with your printer.

UNIX/Linux

Your printer supports many UNIX and Linux platforms, such as Sun Solaris and Red Hat.

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

Lexmark provides a printer driver package for each supported UNIX and Linux platform. Visit Lexmark's Web site at www.lexmark.com for a complete list of supported UNIX and Linux platforms. 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 printer driver packages from Lexmark's Web site. Depending on which version of the drivers CD shipped with your printer, you may also find the driver package you need on the CD.

NetWare

Your printer supports with 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, click **View Documentation** on the drivers CD and look for information about network printer installation.

Configuring for local printing

In order to print locally, you must install a printer driver on the computer attached to the printer.

Windows

Not all Windows operating systems support all types of connections. In addition to the following information, you may need to refer to the documentation that shipped with your computer and your Windows software.

Installation instructions

Read the detailed online instructions on the drivers CD. Click **View Documentation** and look for information about local printer installation. You will find detailed instructions for printing using parallel and USB connections.

Supported connections

Parallel or USB refers to the type of printer cable you used in “Attach cables” on page 34 to attach the printer to your computer.

- Parallel—works with Windows 95/98/Me, Windows NT 4.0, Windows 2000, and Windows XP
- USB—works only with Windows 98 SE/Me, Windows 2000, and Windows XP

Note: Using the custom printer driver provides enhanced functionality, such as printer status alerts.

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 Lexmark’s Web site at www.lexmark.com.

Macintosh

You must do one of the following on the computer that is locally attached to the printer using a USB, parallel, or serial cable:

- For Mac OS X (10.1.2), you must install a custom PPD for your printer and then restart your computer. The printer is automatically configured. A print queue containing the name of your new printer appears in the Print Center.
- For Mac OS 8.6–9.x, you must install a custom PPD for your printer. You must also create a desktop printer object (icon) on your locally attached computer using the Desktop Printer Utility.

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

The PPD for your printer is also on the drivers CD that shipped with your printer. Launch the PPD installer for your operating system and follow the instructions.

A PPD for your printer is also available in a downloadable software package from Lexmark's Web site at www.lexmark.com.

Detailed instructions for performing these tasks are in the online documentation on the drivers CD that shipped with your printer.

UNIX/Linux

Your printer supports many UNIX and Linux platforms, such as Sun Solaris and Red Hat.

Lexmark provides a printer driver package for each supported UNIX and Linux platform. Visit Lexmark's Web site at www.lexmark.com for a complete list of supported UNIX and Linux platforms. The *User's Guide* in each package gives detailed instructions for installing and using Lexmark printers in UNIX and Linux environments.

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

All the 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.

You can download these printer driver packages from Lexmark's Web site. Depending on which version of the drivers CD shipped with your printer, you may also find the driver package you need on the CD.

Step 13: Distribute information to users

Identifying printer users

Several types of users may need access to the information stored on the *Publications* CD:

- Users sending print jobs
- Network printer administrators
- Help desk personnel
- Information technology support staff

Finding information

Launch the *Publications* CD and browse the contents to see a complete list of the available information. If you have a version of Acrobat capable of full text searching, we have created catalog entries to help you find the information you need.

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

The type of information provided on the CD includes:

- Tips for successful printing
- Ways to improve print quality
- Information about using the operator panel
- Instructions for replacing a print cartridge or other 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 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.
- Each topic on the CD is a separate PDF. Launch the CD, click **Other resources**, and then click **File locations**.
- Send Lexmark's printer documentation URL to printer users (www.lexmark.com/publications). Users with Internet access can browse the site.
- Print the information on the CD and store it near the printer for easy access. For printing instructions, launch the CD, and then click **Navigation**.

Storing quick reference cards

In addition to the *Publications* CD, your printer shipped with one or more quick reference cards. We recommend that you store these cards in their convenient printer pocket. You can attach the pocket to the printer or any flat surface near the printer.

Congratulations!

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

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740 West New Circle Road
Lexington, Kentucky 40550