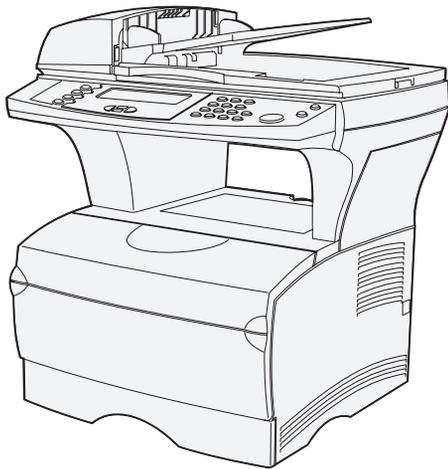




# X422 MFP

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## Setup Guide



**January 2004**

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**English**

## Edition: January 2004

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## Conventions

It may help you to recognize the caution and warning conventions used in this document.

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

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

## Safety information

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

- Connect the power cord to a properly grounded electrical outlet that is near the product and easily accessible.
- Use only a 26 AWG or larger telecommunications (RJ-11) cord when connecting this product to the public switched telephone network.
- 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.

This product contains mercury in the lamp (<5mg Hg). Disposal of mercury may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance: [www.eiae.org](http://www.eiae.org).

## Static sensitivity notice



This symbol identifies static-sensitive parts. Do not touch in the areas near these symbols without first touching the metal frame of the printer.

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# Step 1: Install drivers for local printing and scanning

For local printing and scanning, it is important that you install the drivers for your multifunction printer (MFP) on your computer before you install the actual hardware.

A local MFP is an MFP attached to your computer using a USB cable. If your MFP is attached to a network instead of your computer, skip this step and go to Step 2: "Unpack the MFP" on page 5.

**Note:** Use the drivers CD to install your print and scan drivers. Launch the CD and follow the instructions to install MFP software.

A print driver is software that lets your computer communicate with your MFP. The procedure to install drivers depends on the operating system you are using.

A scan driver is software that lets you acquire and adjust a scan. Again, the procedure to install drivers depends on the operating system you are using.

Select your operating system from the following table to find driver installation instructions.

Operating system	Go to page...
Windows Server 2003, Windows 2000, Windows XP, Windows 98, and Windows Me <b>Note:</b> Windows 95 and Windows NT are not supported operating systems.	2
Macintosh	3
UNIX/Linux	4

\* For local installation, *do not* attach a USB cable while your MFP and computer are turned on. Install the drivers *first*.

# Windows

**Note:** Installing a custom driver does not replace the system driver. A separate print object is created and appears in the Printers folder.

## *Using Windows Server 2003, Windows 2000, Windows XP, and Windows 98/Me*

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

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

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

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

- 1** Insert the drivers CD into your CD-ROM drive of your computer.  
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 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 **Next**.

Follow the instructions on your screen to complete installing the drivers.

### 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 MFP.	5

## Macintosh

**Note:** Visit our Lexmark Web site, [www.lexmark.com](http://www.lexmark.com), for Macintosh 8.6–9.x printing support.

## Mac OS X

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

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

In order to print locally to a USB-attached MFP, you must create a queue in Print Center (Mac OS X).

In order to print to an MFP, you must install a PostScript™ Printer Description (PPD) file on your computer.

- 1 Insert the drivers CD into your CD-ROM drive.
- 2 Double-click the installer package for your MFP.
- 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.
- 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.

To verify that your MFP is properly connected, continue with set up and see “Verifying the USB queue” on page 36.

### 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 MFP.	5

## 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 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 MFP.	5

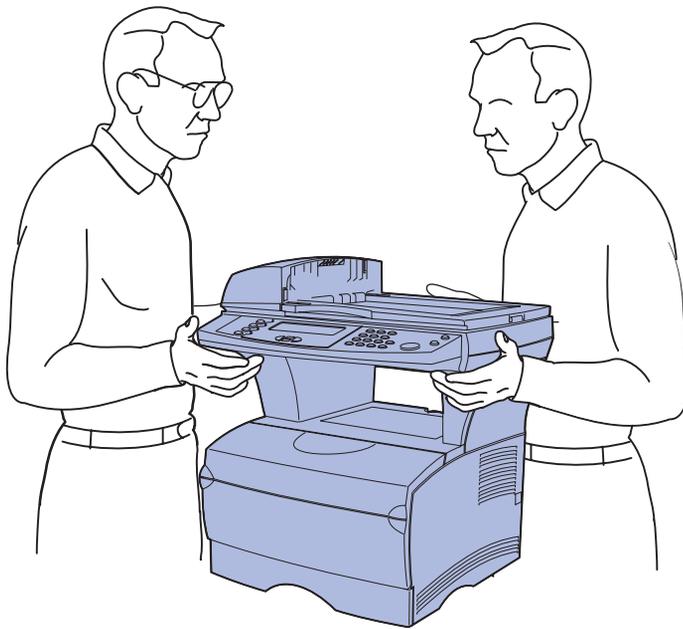
# Step 2: Unpack the MFP

## Unpacking

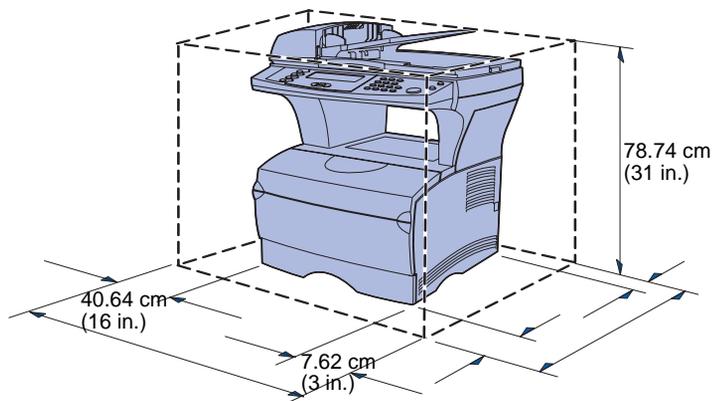
**CAUTION:** The MFP weighs 46 lbs. (21 kg) and requires at least two people to lift it safely. Leave the MFP in the box until you are ready to install it. Ask someone to help you lift the MFP.

1 Select a location for your MFP.

- Leave enough room to open the MFP trays, covers, doors, and options. It is also important to allow space around the MFP for proper ventilation.



## Placing the MFP



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

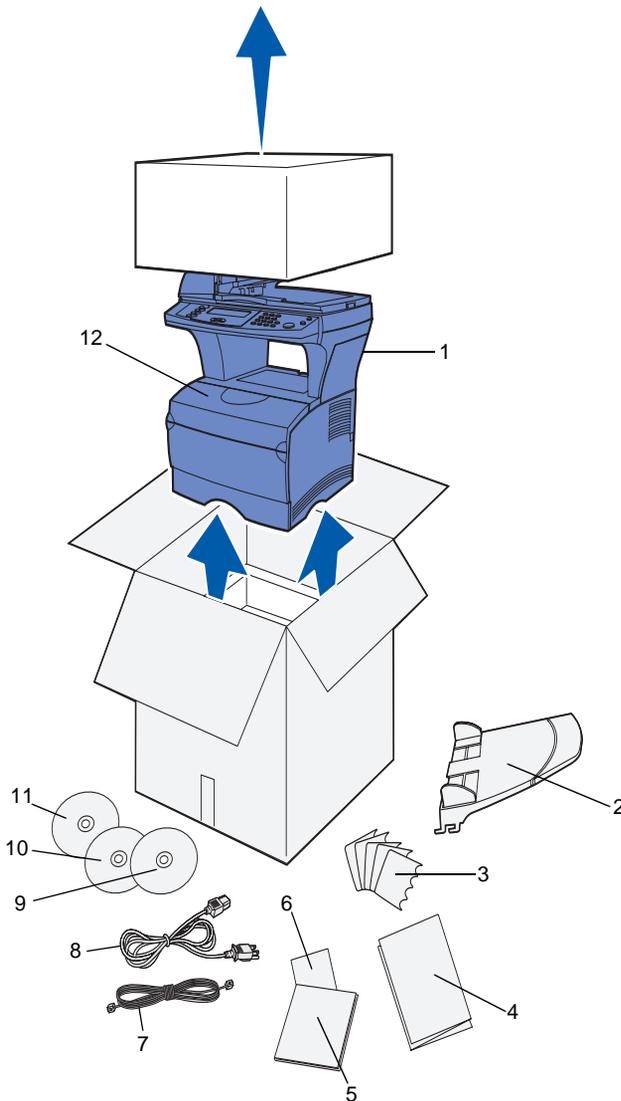
- Provide the proper environment:
  - A firm, level surface
  - Away from the direct airflow of air conditioners, heaters, or ventilators
  - Free of sunlight, humidity extremes, or temperature fluctuations
  - Clean, dry, and free of dust

## 2 Remove all items from the box.

Make sure you have the following items:

- (1) MFP with one installed standard 250-sheet tray
- (2) Automatic Document Feeder (ADF) tray
- (3) Language overlays
- (4) *Installation Pointer* sheet
- (5) *Setup Guide*
- (6) *Quick Reference* sheet
- (7) Telephone cord
- (8) Power cord
- (9) Publications CD (shipped inside the *Setup Guide*)
- (10) Drivers CD
- (11) Document Management CD, containing your scanning software. This CD is optional and is used only for locally-connected MFPs.
- (12) One print cartridge (inside MFP)

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



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

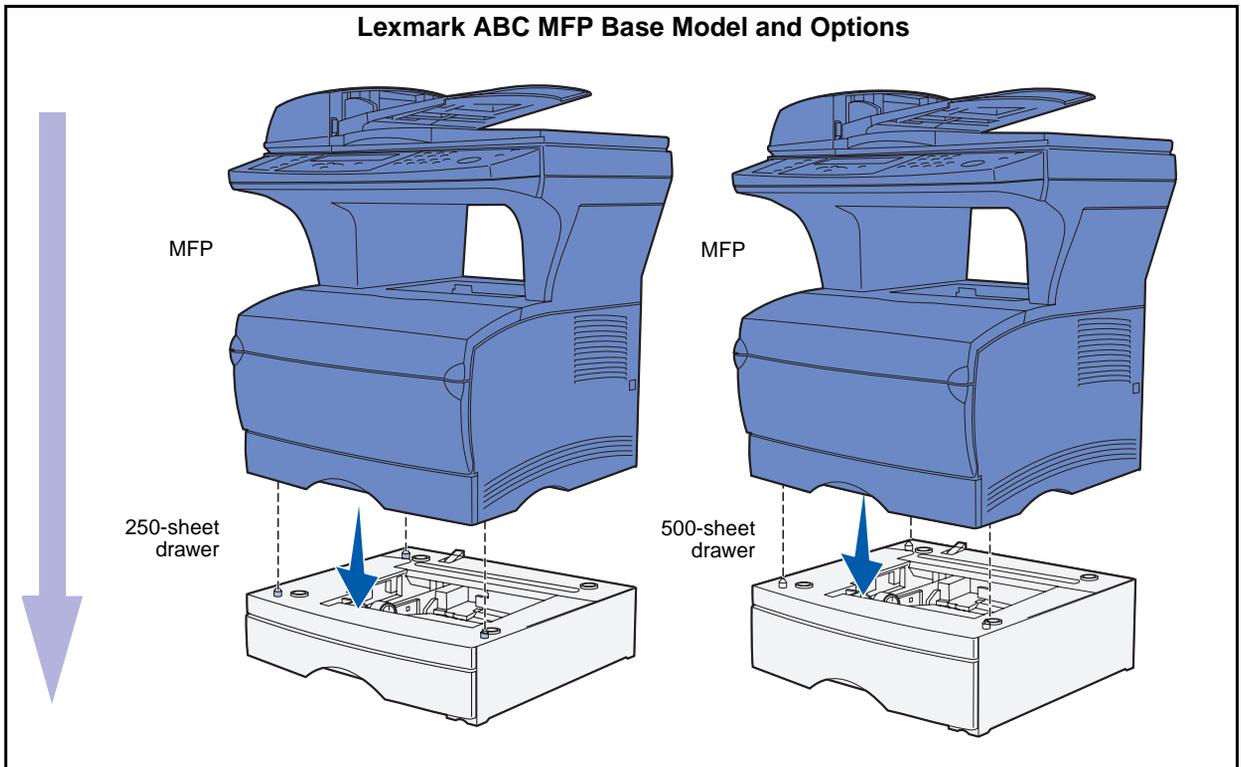
### What do I do next?

Task	Go to page...
After you have unpacked the MFP, you are ready to set up the MFP and install any options you may have purchased.	9

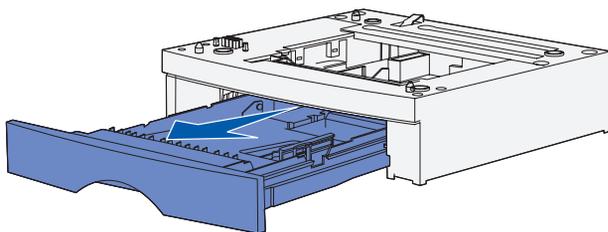
# Step 3: Set up MFP and options

## Installing options on your MFP

You have the option of installing an extra paper drawer on your MFP to increase the amount of available media. To purchase an additional drawer, contact your sales representative.



## Setting up the optional 250-sheet or 500-sheet drawer



After you have installed the drivers, you are ready to set up the optional 250-sheet or 500-sheet drawer.

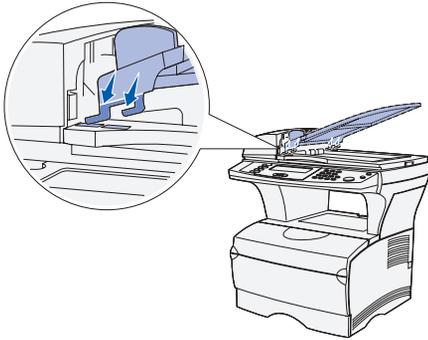
- 1** Remove the tray from the support unit. Remove all of the packing material and tape from both the support unit and tray.
- 2** Place the support unit on top of a firm, flat surface where you plan to use the MFP.
- 3** Place the MFP on top of the support unit.

## Adding an optional drawer for Mac OS X users

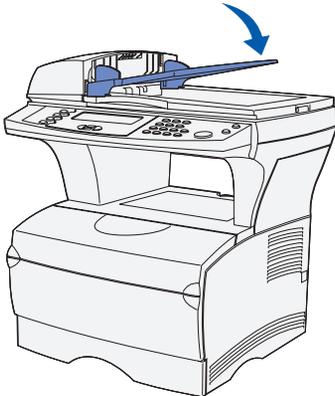
When adding an optional drawer to an MFP that will be used by way of USB in Mac OS X, additional setup is required to allow the optional drawer to be used as a source when printing.

- 1** Go to /Applications/Utilities and launch **Print Center**.
- 2** Select the MFP from the Printer List and choose **Show Info** from the Printers menu.
- 3** Select **Installable Options** from the pop-up menu at the top of the Printer Info window and modify the Trays pop-up menu to reflect the number of trays connected to the MFP.
- 4** Click **Apply Changes** and close the Printer Info window.

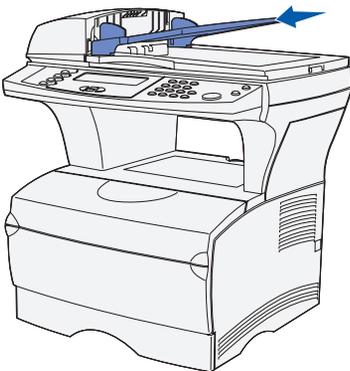
## Attach the scanner automatic document feeder (ADF) tray



- 1 Remove the ADF tray from the box.
- 2 Align the tabs on the tray with the slots located on top of the scanner.



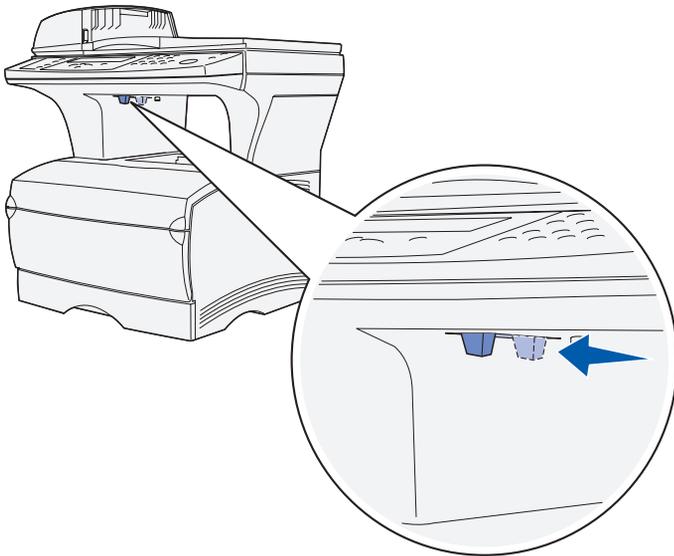
- 3 Push the tray down so that the tabs slide into the slots.



- 4 Slide the tray forward until it locks into place.

## Unlock the scanner

**Note:** The scanner is shipped in a locked position to prevent damage. We highly recommend that you lock the scanner anytime you move the MFP.



After you have finished assembling your MFP, you must unlock the scanner.

To unlock the scanner:

- 1 Locate the scanner lock under the left side of the scanner flatbed on the MFP.
- 2 Move the locking mechanism toward the *front* of the MFP.

To lock the scanner (if you move your MFP after initial setup):

- 1 Make sure the scanner is in the **Ready** (idle) state.
- 2 Turn off and unplug the scanner.
- 3 Move the locking mechanism toward the *back* of the MFP. This locks the scanner.

### What do I do next?

Task	Go to page...
After you have installed MFP optional drawers, attached the ADF tray, and unlocked the scanner, you are now ready to install optional memory cards.	13

# Step 4: Install optional memory cards

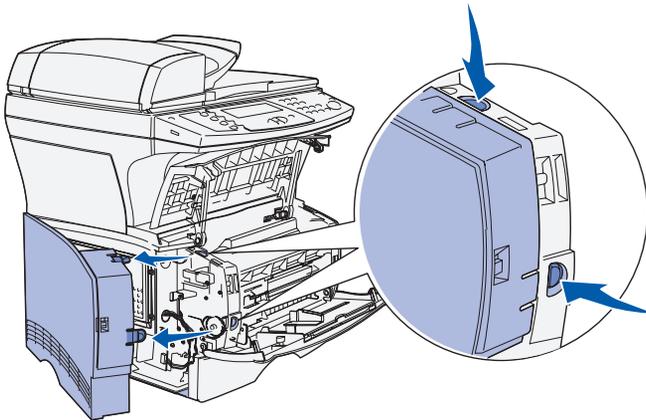
**CAUTION:** If you are installing memory cards sometime after setting up the MFP, turn the MFP off and unplug the power cord before continuing.

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

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

- MFP memory
- Flash memory or font cards

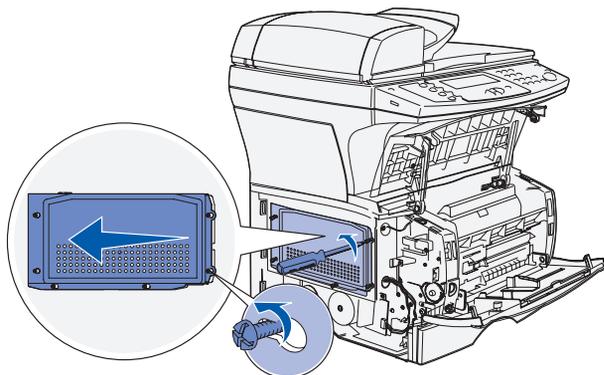
## Opening the side door



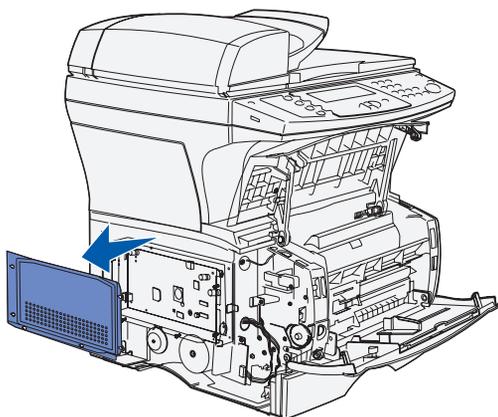
- 1** Open the front door and the multipurpose feeder door.
- 2** Firmly press the two tabs simultaneously to free them from their slots.
- 3** Slide the side door off of the back of the MFP as you swing it out to remove it.
- 4** Set the door aside.

## Removing the system board access shield

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



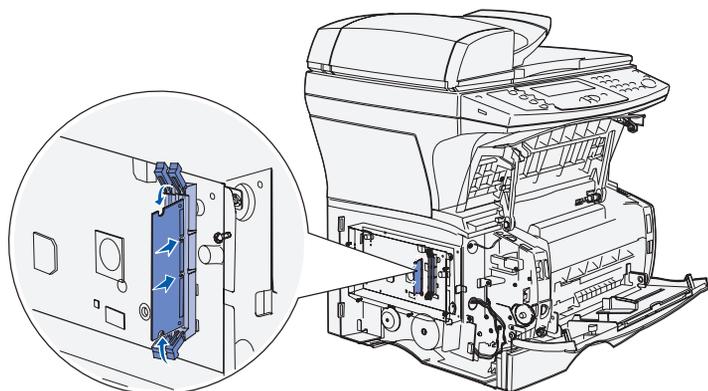
- 1** Loosen the six screws. Do not remove them completely.
- 2** Slide the shield to the left until the screws fit into the keyholes on the shield.
- 3** Pull the shield straight out and set it aside.



*Install optional memory cards*

## Installing an MFP memory card

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



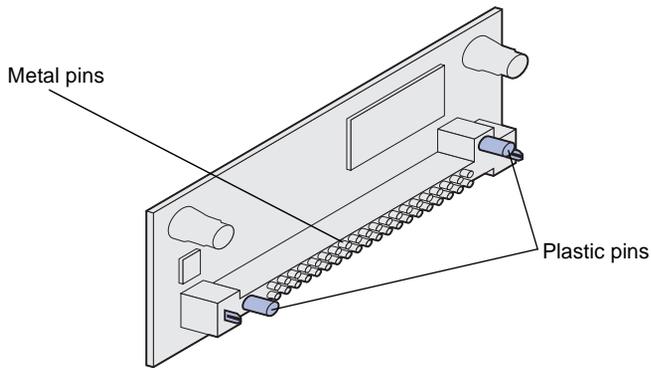
**Note:** Some memory options offered for other Lexmark MFPs cannot be used with your MFP. Refer to the publications CD for memory specifications.

## Installing an optional flash memory or font card

- 1** Unpack the memory card. Avoid touching the connection points along the edge of the card.
- 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 *snap* into place.
- 5** Make sure the latch fits over the notch on the end of the card.

Follow the instructions in this section to install an optional flash memory or font card. The system board has one connection location which can support either one flash memory card or one font card.

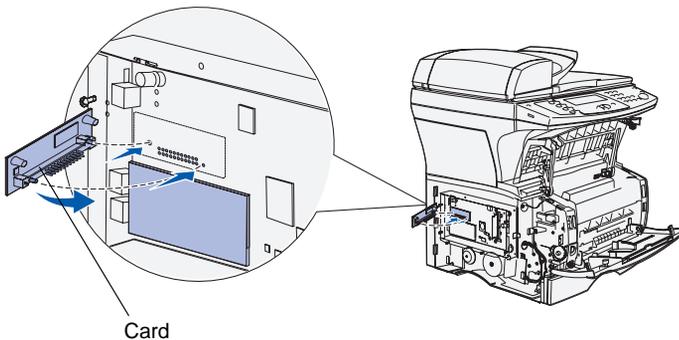
**Warning:** Optional flash memory and font cards are easily damaged by static electricity. Touch something metal on the MFP before you touch a card.



- 1 Unpack the flash memory or font card.

Avoid touching the metal pins on the bottom of the card. Save the packaging.

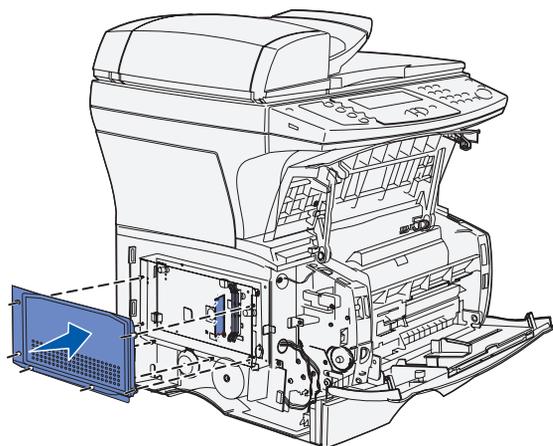
- 2 Holding the flash memory or font card by its sides, align the plastic pins on the card with the holes on the system board.



- 3 Push in until the flash memory or font card is firmly in place.

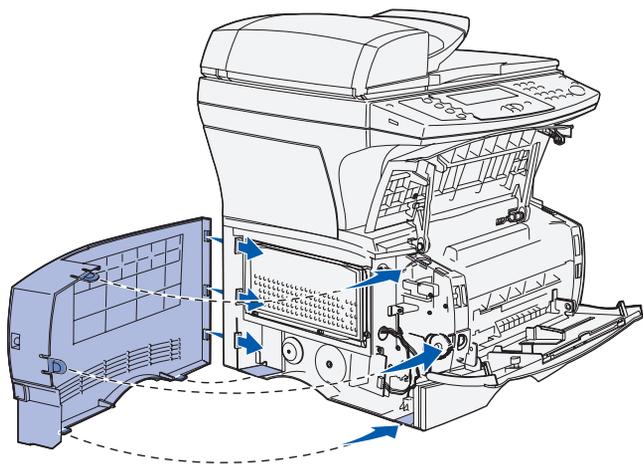
**Note:** Do not pivot the card into the slot. Align the pins on the card with the system board and push the card straight in. The row of metal pins on the card must be fully inserted along its entire length.

## Reattaching the system board access shield



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

## Reattaching the side door



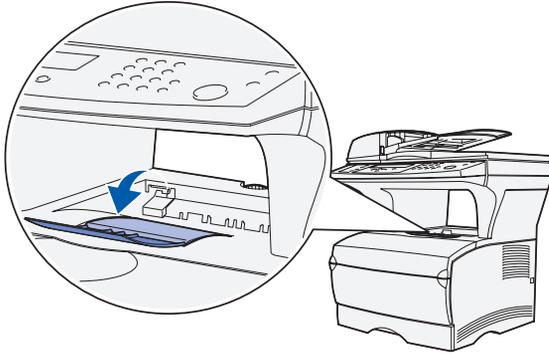
- 1 Align the three rear tabs on the side door with the corresponding slots on the MFP.
- 2 Guide the tabs on the top, bottom, and front of the door into their corresponding slots. The top and front tabs *snap* into place.
- 3 Close the upper front door and the multipurpose feeder door. Make sure both doors *snap* closed on both sides.

## What do I do next?

Task	Go to page...
After you have installed any optional memory cards, you are ready to finish setting up your MFP.	19

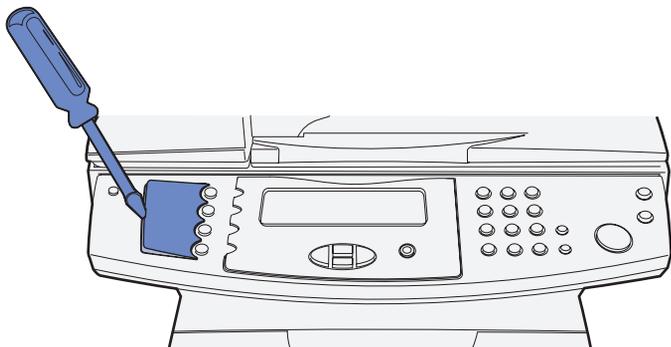
# Step 5: Prepare the MFP

## Raising the paper rest



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

## Attaching a control panel overlay



If English is not your preferred language and you have the MFP control panel language overlay, attach the overlay to your MFP control panel.

- 1 Remove the language panel currently on the MFP by gently prying up at the indentation.

- 2 Snap the overlay into place.

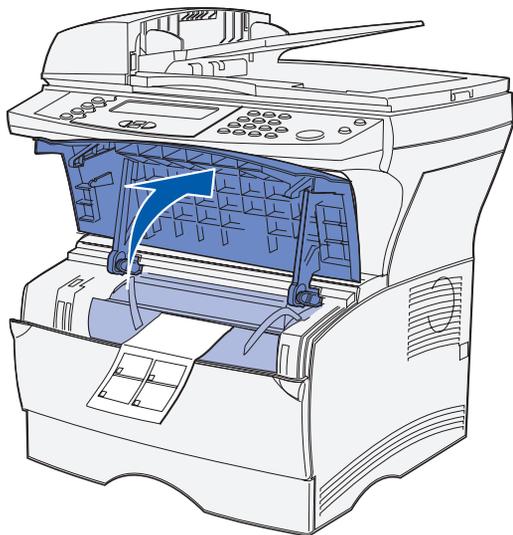


### What do I do next?

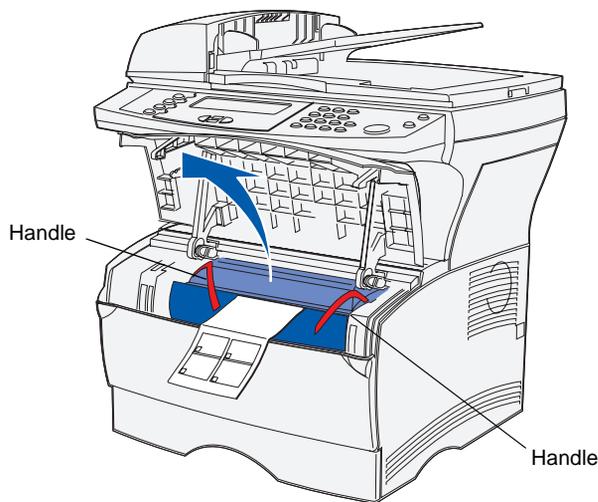
Task	Go to page...
After you have finished setting up the MFP, you are ready to install the print cartridge.	21

# Step 6: Install the print cartridge

## Removing the packaging



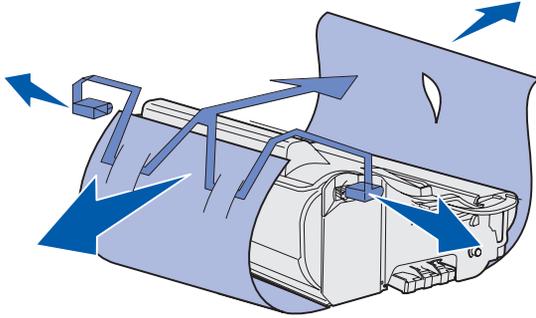
**1** Open the front door of the MFP.



**2** Grasp the print cartridge by the handle. Lift the cartridge out.

*Install the print cartridge*

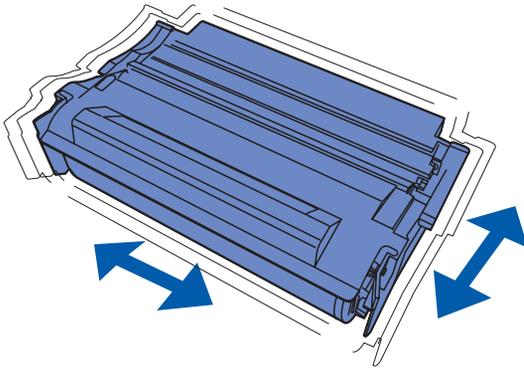
- 3 Remove the packaging from the print cartridge.



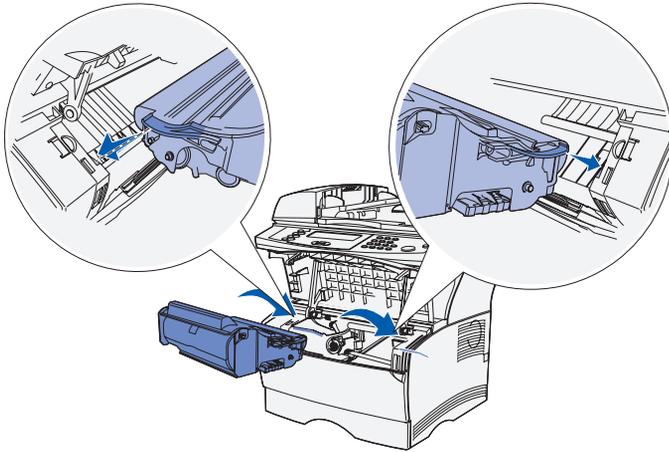
**Warning:** Do not touch the photoconductor drum on the bottom of the print cartridge.

## Preparing the print cartridge

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



*Install the print cartridge*



## 2 Install the print cartridge.

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

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

### What do I do next?

Task	Go to page...
After you have finished installing the print cartridge, you are ready to load media into the MFP.	25

*Install the print cartridge*

# Step 7: Load media

Your MFP comes with one standard tray and a multipurpose feeder (one optional 250 or 500 sheet tray is also available separately) that combine for a total capacity of 350, 600 or 850 sheets.

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

Source	Paper sizes supported	Paper types supported	Capacity (sheets)	Go to page...
Tray 1	A4, A5, JIS B5, folio, letter, legal, executive, statement	Paper Paper labels* Transparencies	250 100 50	27
Optional 250-sheet tray	A4, A5, JIS B5, folio, letter, legal, executive, statement	Paper only	250	27
Optional 500-sheet tray	A4, JIS B5, folio, letter, legal, executive	Paper only	500	27
Multipurpose feeder	A4, A5, JIS B5, folio, letter, legal, executive, statement	Paper Envelopes Transparencies Card stock	100 10 20 10	30

\*For feeding other types of labels from Tray 1 and the multipurpose feeder, refer to the Card, Stock & Label Guide available on the Lexmark Web site at [www.lexmark.com/publications](http://www.lexmark.com/publications).

# Changing Paper Size and Paper Type settings

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 using the Paper Menu on the MFP control panel.

## *Changing the Paper Size*

- 1** Press the administration (**key**) button.
- 2** Choose **Paper Menu**, and then press the check mark button (✓).
- 3** Choose **Paper Size**, and then press ✓.
- 4** Change the Paper Size using the arrow keys.
- 5** Choose **submit**, and then press ✓.

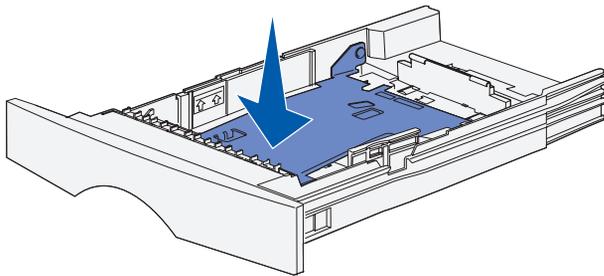
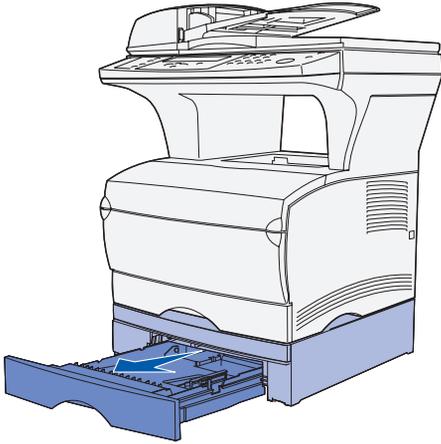
## *Changing the Paper Type*

- 1** Press the administration (**key**) button.
- 2** Choose **Paper Menu**, and then press ✓.
- 3** Choose **Paper Type**, and then press ✓.
- 4** Change the Paper Type using the arrow keys.
- 5** Choose **submit**, and then press ✓.

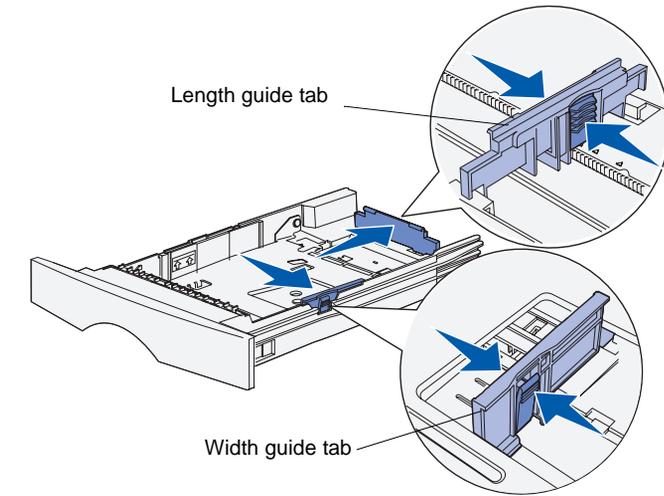
## Loading the trays

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

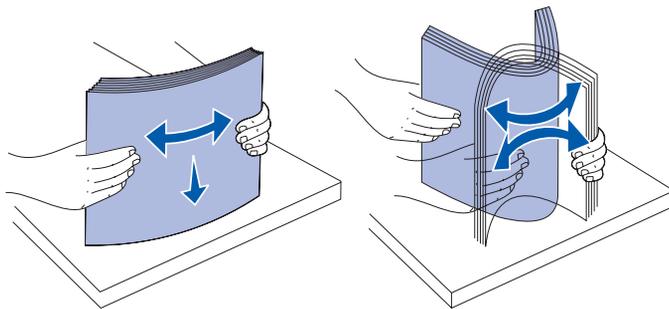
**1** Remove the tray.



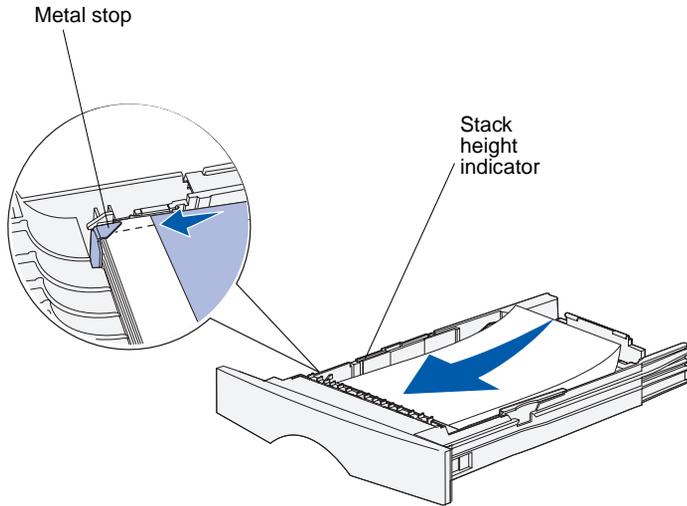
**2** Press the metal plate down.



- 3** Squeeze the width guide tab and the width guide together, and then slide the guide all the way to the right.
- 4** Squeeze the length guide tab and the length guide together, and then fully extend the guide.



- 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.

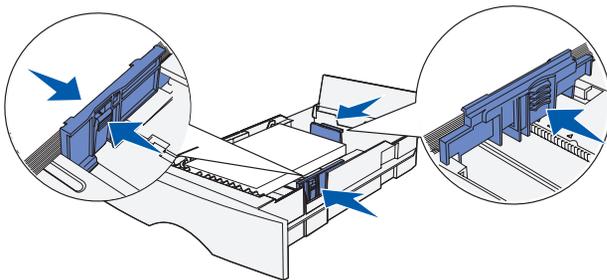


- 6 Place the print media against the left side of the tray, with the print side down and facing the front of the tray.

Do not load bent or wrinkled print media.

- 7 Tuck the corner of the print media under the metal stop.

**Note:** Overfilling the tray may cause jams. Refer to the table on page 25 for the maximum capacity of various print media in the tray.



- 8 Squeeze the width guide tab and the width guide together and slide the width guide until it lightly touches the stack of print media.

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

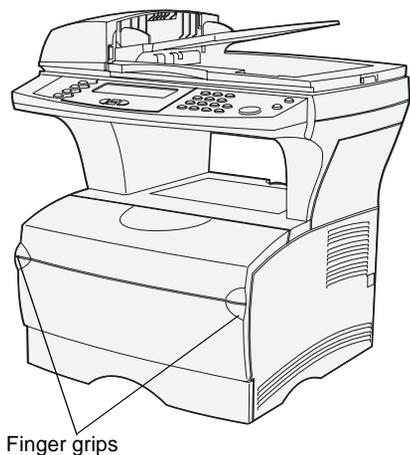
## Loading the multipurpose feeder

You can use the multipurpose feeder in two ways:

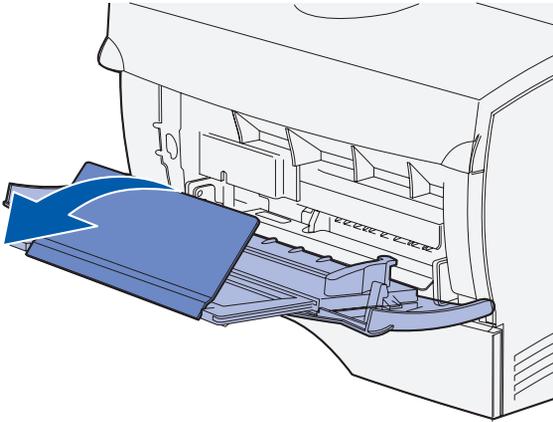
- **Tray**—As a tray, you can load print media in the feeder with the intention of leaving it there.
- **Manual feeder**—As a manual feeder, you send a print job to the MFP while specifying the type and size of media from your computer. The MFP then prompts you to load the appropriate print media before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

Use the following instructions to load the multipurpose feeder.

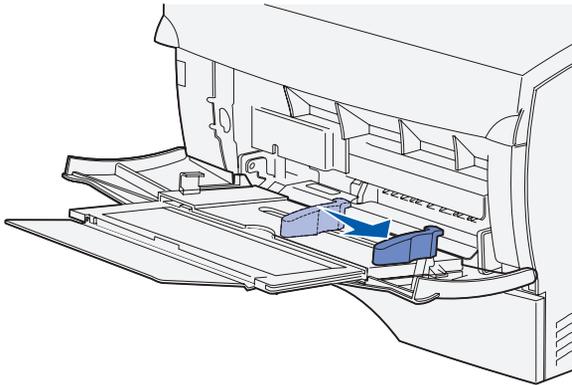
- 1 Use the finger grips to pull the door open.



- 2 Pull out the extension.
- 3 Unfold the extension.

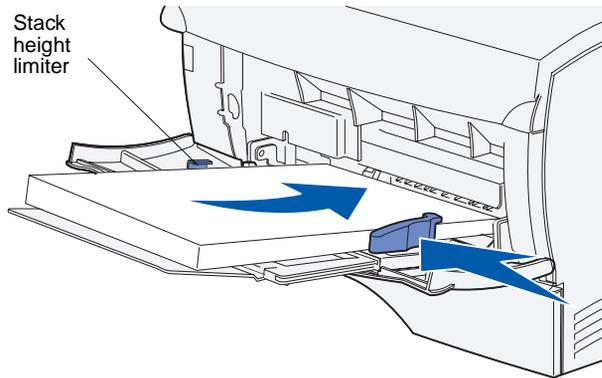


**Note:** If you are loading envelopes into the multipurpose feeder, *do not* extend the tray all of the way. This may cause envelopes to feed incorrectly.



- 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.

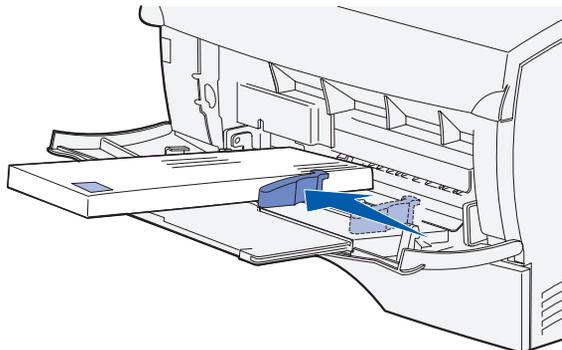


- 6 Place the print media against the left side of the multipurpose feeder, with the print side up and facing into the multipurpose feeder.
- 7 Push the print media forward, but do not force it.
- 8 Slide the width guide until it lightly touches the stack of print media.

**Note:** Refer to the table on page 25 for the maximum capacity of various print media in the multipurpose feeder.

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

## Loading envelopes

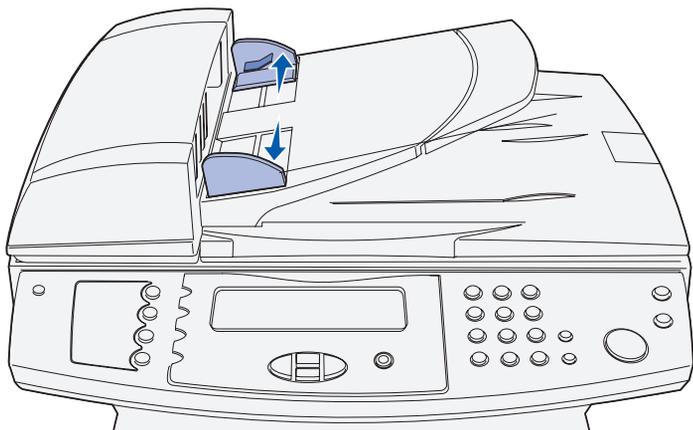


**Note:** If you are loading envelopes into the multipurpose feeder, *do not* extend the tray all of the way. This may cause envelopes to feed incorrectly.

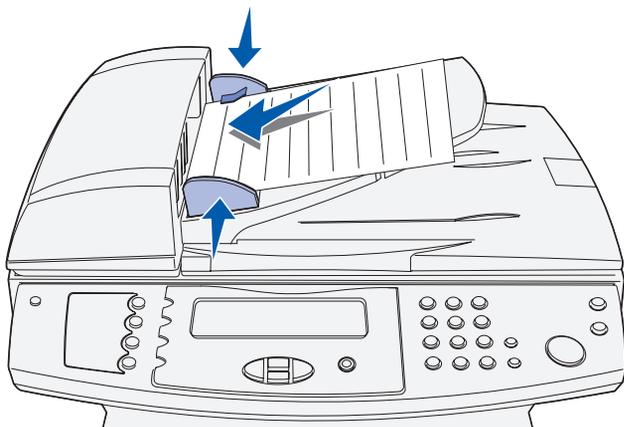
- 1** Make sure the multipurpose feeder is only pulled out and not extended.
- 2** Place the envelopes against the left side of the multipurpose feeder, with the print side up and the stamp corner on the right side.
- 3** Push the envelopes forward, but do not force them.
- 4** Slide the width guide until it lightly touches the stack of envelopes.

## Loading the scanner automatic document feeder (ADF)

- 1 Slide the paper guides out.



- 2 Place the paper face up in the scanner ADF, under the stack height limiters, and slide the paper guides until they lightly touch the paper.



**Note:** The scanner multipurpose feeder can hold a maximum of 50 sheets of 20 lb paper.

### What do I do next?

Task	Go to page...
After you have finished loading the media into the MFP, you are ready to attach cables to your MFP and computer.	35

*Load media*

# Step 8: Attach cables



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

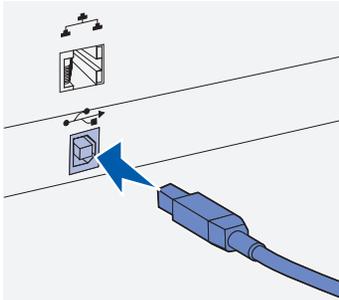
The MFP can be attached to a network or directly to a computer to print locally.

If the MFP is locally attached, remember to install your drivers first before attaching your cables. See Step 1: “Install drivers for local printing and scanning” on page 1, if you have not already installed the drivers.

## Attaching the telephone cord

- 1** Connect the MFP to the telephone jack using the telephone line.
- 2** Plug one end of the telephone cord into the socket at the back of the MFP and the other end into a telephone jack.

## Attaching a USB cable



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

A USB port is standard on the MFP.

Windows 98 SE, Windows Me, Windows 2000, Windows XP, and Windows Server 2003 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 MFP to a computer:

- 1 Connect the MFP to the computer using a USB 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 MFP.

- 2 Plug one end of the MFP power cord into the socket at the back of the MFP and the other end into a properly grounded outlet.
- 3 Turn on your MFP.

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

If you do not see the **Ready** message on the display, refer to the publications CD for instructions on clearing the message. Click **Printing**, and then click **Understanding MFP messages**.

- 4 Turn on your computer and any other peripherals.

## Verifying the USB queue

### Mac OS X

- 1 Open Print Center in the Finder. Print Center is located in the Utilities folder (in the Applications folder).
- 2 Do one of the following:

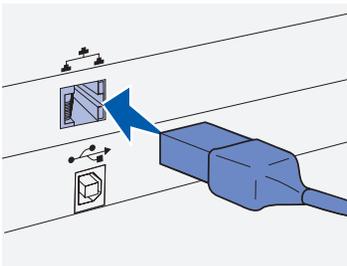
*If your USB-attached MFP appears in the Printer List, you can quit Print Center. A queue has been created for your MFP.*

*If your USB-attached MFP does not appear in the Printer List, make sure the USB cable is properly connected and the MFP is*

turned on. After the MFP appears in the Printer List, you can quit Print Center.

## Attaching a network cable

### Ethernet



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

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

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

To attach the MFP to a network:

- 1 Make sure the MFP 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 MFP. The MFP automatically adjusts for the network speed.
- 3 Plug one end of the MFP power cord into the socket at the back of the MFP and the other end into a properly grounded outlet.
- 4 Turn on the MFP.

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

If you do not see the **Ready** message on the display, refer to the publications CD for instructions on clearing the message. Click **Printing**, and then click **Understanding MFP messages**.

- 5 Turn on your computer and any other peripherals.

### 802.11 wireless options

Your MFP can be converted to wireless networking by using an optional 802.11 Wireless Print Adapter. This adapter is a piece of hardware that plugs into the Ethernet port on your MFP.

If you purchased this adapter for your MFP, refer to the documentation that shipped with the adapter for installation and configuration.

### What do I do next?

Task	Go to page...
After you have finished attaching cables to the MFP and your computer, you are ready to turn on the MFP.	39

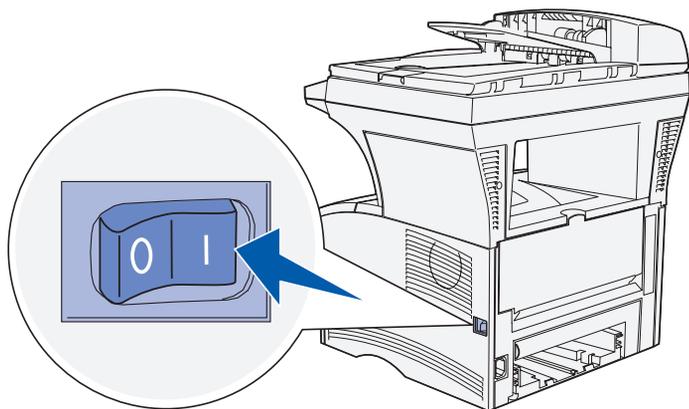
*Attach cables*

# Step 9: Power on the MFP

## Turn on the MFP

You are now ready to power on the MFP.

- 1 Locate the power switch on the right side of the MFP.
- 2 Turn it on.



### What do I do next?

Task	Go to page...
After you have powered on the MFP, you are ready to verify that the MFP is properly set up.	43



# Step 10: Configure for TCP/IP

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

## Assigning an MFP IP address

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

- 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 44.
- 2 Go to “Verifying the IP settings” on page 42 and begin with step 2.

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

An easy way to do this is to use the MFP control panel:

- 1 Press the administration button and then select **Network/USB** and then **TCP/IP**.
- 2 Change the address by entering the new IP address in the **Address** field using the numeric keypad. Use the arrow keys to navigate the IP address fields.
- 3 Enter the appropriate address in the **Netmask** field using the arrow keys to navigate.
- 4 Enter the appropriate address in the **Gateway** field using the arrow keys to navigate.
- 5 When you are finished, select **submit** to return the MFP to the **Ready** state.
- 6 Reprint the network setup page to see the new configuration. See “Printing a network setup page” on page 44.
- 7 Go to “Verifying the IP settings” on page 42.

*Configure for TCP/IP*

## Verifying the IP settings

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

**Note:** On Mac OS X, go to /Applications/Utilities and launch Network Utility. Click the tab labeled **Ping**, enter the IP address of the MFP and click the **Ping** button.

## Using the resident Web page

**Note:** Many settings may only be changed using the resident Web page. These settings are signified by an asterisk (\*) on the Menu Settings page.

- 1 On the Network Setup Page, look under the “TCP/IP” heading and make sure the IP address, netmask, and gateway are what you expected.
- 2 Ping the MFP and verify that it responds. For example, at a command prompt on a network computer, type `ping` followed by the new MFP IP address:

```
ping 192.168.0.11
```

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

Your MFP has a resident Web page, which you can access from your browser. To access the resident Web page, type the MFP’s IP address in the URL address field of your browser (for example, `http://192.168.236.24`). If you do not know the IP address of your MFP, you can find it on the network setup page (for help, see “Printing a network setup page” on page 44).

Some of the resident Web page features include a status window of the MFP and details of the MFP’s configuration, such as current memory and engine code levels. If you are an administrator, you can also change copy settings, fax settings, e-mail settings, and so on.

### What do I do next?

Task	Go to page...
After you have configured the MFP for TCP/IP setup, you are ready to install network drivers.	47

# Step 11: Verify MFP setup

The menu settings page lists the default MFP settings and all the options you purchased or installed. If a feature or an option is not listed, you need to check your installation. For help printing the menu settings page, see page 43.

The network setup page provides information that is needed if you are attaching your MFP to a network. For help printing the network setup page, see page 44.

If you set up your MFP as a local MFP (step 1 on page 1), this is a good time to verify that your computer and MFP are communicating properly. For help printing a test page, see page 44.

You can also print the Quick Reference and Clearing Jams documentation at this time, so that you can easily reference this information when necessary. For help printing the Quick Reference documentation, see page 45.

## Printing a menu settings page

**Note:** For more information about using the MFP control panel and changing menu settings, refer to the publications CD.

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

- 1** Make sure the MFP is on.
- 2** Press the administration button and then choose **Print Reports**.
- 3** Choose **Menu Settings Page**, and then press **✓**. The menu settings page prints automatically.
- 4** Verify that the options you installed are correctly listed under “Installed Features.”

If an option you installed is not listed, turn the MFP off, unplug the power cord, and reinstall the option.

- 5** Verify the amount of memory installed is correctly listed under “Device Information.”

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

## Printing a network setup page

If the MFP 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 MFP is on.
- 2 Press the administration button and then select **Print Reports**.
- 3 Choose **Network Setup Page**, and then press ✓. The network setup page prints automatically.
- 4 On the network setup page, 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 administrator for a solution, and then print another network setup page to verify that you are connected to your network.

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

## Printing a local test page

If the MFP is attached directly to your computer, print a test page to verify the MFP and computer are communicating properly.

### Windows

- 1 From the Start menu, click **Settings** → **Printers**.
- 2 From the Printers folder, right-click the icon for your local MFP.
- 3 Select **Properties** from the sidebar menu.
- 4 From the General tab, click **Print Test Page**.

## Mac OS X

**Note:** If another printer is already set up as the default printer, then you have to select the MFP from the Printer pop-up menu and then choose **Print**.

- 1 Open any application and create something to print (TextEdit, for example).
- 2 Choose **Print** from the File menu.

## Printing Quick Reference documentation

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

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

To print the Quick Reference documentation from the publications CD:

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

### What do I do next?

Task	Go to page...
If you have a locally-attached MFP, continue to Step 13: "Set default copy settings"	55
If you have a network-attached MFP, you are ready to configure for TCP/IP setup.	41

*Verify MFP setup*

# Step 12: Install drivers for network printing

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

## Windows

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

### *Supported print drivers*

- Windows system print driver
- Lexmark custom print driver

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

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

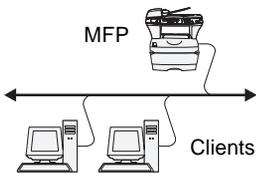
**Note:** Installing a custom driver will not replace the system driver. A separate print object will be created and appear in the Printers folder.

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

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

Printing configuration	Operating system	Go to page...
<p><b>Direct</b></p> <ul style="list-style-type: none"> <li>MFP is connected directly to the network using a network cable, such as Ethernet.</li> <li>Print drivers are typically installed on each network computer.</li> </ul>	Windows 98/Me, Windows 2000, Windows XP, or Windows Server 2003	48
<p><b>Shared</b></p> <ul style="list-style-type: none"> <li>MFP is connected to one of the computers on the network using a local cable, such as USB.</li> <li>Print drivers are installed on the computer attached to the MFP.</li> <li>During driver installation, the MFP is set up to be “shared” so that other network computers can print to it.</li> </ul>	Windows 98/Me, Windows 2000, Windows XP, or Windows Server 2003	49

### Direct printing using Windows 98/Me, Windows 2000, Windows XP, and Windows Server 2003



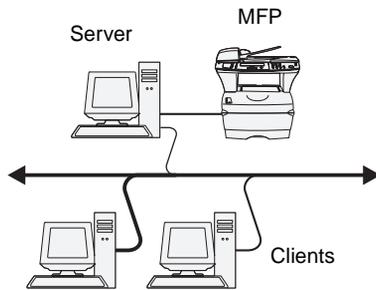
**Note:** The port may be identified by an MFP ID/host name or by the IP address of the MFP. If you don't know the IP address, print a network setup page and look under the TCP/IP heading. For help, see “Printing a network setup page” on page 44.

To install a custom print driver:

- 1 Insert the drivers CD into your CD-ROM drive.  
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 Select the port you want to use.  
If your port is not listed, or you prefer to use a standard TCP/IP port, click **Add**.
- 8 Follow the instructions on your screen to complete installing the drivers.
- 9 Print a test page to verify MFP installation.

*Install drivers for network printing*

## Shared printing from a server using Windows 98/Me, 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 MFP to a Windows 98/Me, Windows 2000, Windows XP, or Windows Server 2003 computer (which will act as a server), follow these steps to configure your network MFP for shared printing:

### Step 1: Install a custom print driver

- 1 Insert the drivers CD into your CD-ROM drive.  
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 **Next**.
- 7 Follow the instructions on your screen to complete installing the drivers.
- 8 Print a test page to verify MFP installation.

### Step 2: Share the MFP on the network

- 1 Click **Start** → **Settings** → **Printers**.
- 2 Select the MFP 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 or Additional Drivers section, select the operating systems of all the network clients that will print to the MFP.
- 6 Click **OK**.
- 7 Check the following to make sure the MFP was successfully shared.
  - The print object in the Printers folder now has a shared indicator.

*Install drivers for network printing*

- Browse Network Neighborhood. Find the host name of the server and look for the shared name you assigned to the MFP.

### **Step 3: Install the print 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 MFP.

- 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 MFP 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 MFP 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 MFP installation.

### *Using the peer-to-peer method*

With this method, the print 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 MFP from the Shared printers list. If the MFP is not listed, enter the path of the MFP in the text box.

The path will look similar to the following:

`\\<server host name>\<shared MFP name>`

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

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

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

## **Macintosh**

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

A PostScript Printer Description (PPD) file must be installed on each computer used to print to a network MFP. In addition, the computer must also have 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 MFP or print queue.

Follow the instructions to install a PPD file and create a print queue.

## **Mac OS X**

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

- 1** Insert the drivers CD.
- 2** Double-click the installer package for your MFP.

*Install drivers for network printing*

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

- 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.
- 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 53.

**Note:** If you don't know which zone or MFP 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 Apple Talk zone from the list.
- 6** Select the new MFP from the list, and then click **Add**.
- 7** Verify MFP 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 MFP, then MFP setup is complete.*
    - *If the PPD file displayed in the Summary window is not correct for your MFP, delete the MFP from the printer list*

*Install drivers for network printing*

in Print Center and repeat “Step 1: Install a custom PPD file” on page 51.

### *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 52.

- 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 MFP DNS name in the Printer’s Address box.
- 6** Choose **Lexmark** from the Printer Model pop-up menu.
- 7** Select the new MFP from the list, and then click **Add**.
- 8** Verify MFP 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 MFP, then MFP setup is complete.*
    - *If the PPD file displayed in the Summary window is not correct for your MFP, delete the MFP from the printer list in Print Center and repeat “Step 1: Install a custom PPD file” on page 51.*

## **UNIX/Linux**

Your MFP supports many UNIX and Linux platforms, such as Sun Solaris and Red Hat. Visit our Lexmark Web site at **[www.lexmark.com](http://www.lexmark.com)** for a complete list of supported UNIX and Linux platforms.

**Note:** The Sun Solaris and Linux packages are available on the drivers CD and on our Lexmark Web site at [www.lexmark.com](http://www.lexmark.com).

Lexmark provides a print driver package for each supported UNIX and Linux platform.

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

### What do I do next?

Task	Go to page...
After you have installed network drivers, you are ready to set default MFP parameters.	55

# Step 13: Set default copy settings

To set the default copy settings for your MFP:

- 1 Press the administration button.
- 2 Select **Default Menus**.
- 3 Select **Copy Settings**.
- 4 Enter new values for Copy Settings by using the arrow keys to navigate the fields. See the following table for possible copy settings, select a setting, and then press **✓**.

Copy settings	Available settings
Content	Text, Text/Graphics*, Photo
Duplex	Off*, Long edge, Short edge
Paper Saver	Off*, 2 on 1 Port., 2 on 1 Land., 4 on 1 Port., 4 on 1 Land.
Print Page Borders	On*, Off
Collate	On*, Off
Original Size	Letter, Legal, Executive, Folio, Statement, A4, A5, JIS B5
Copy To Source	Tray 1* Tray 2 (if installed) MP Feeder
Darkness	1 to 9 with graphic
Number of Copies	1*–999
Overlay	Confidential, Copy, Draft, Urgent, Off*, and Custom (if configured)
Allow priority copies	On*, Off

\*Indicates the default setting when shipped.

## What do I do next?

Task	Go to page...
After you have set default copy settings, you are ready to set up to send and receive faxes.	57

# Step 14: Set up to send and receive faxes

To receive faxes, your MFP just needs to be plugged in with a phone line attached. It is automatically configured to receive faxes.

## Configuring fax setup

The Telephone Consumer Protection Act of 1991 requires all outgoing faxes to contain specific information in a margin at the top or bottom of each transmitted page, or on the first page of the transmission. This required information includes:

- Station Name
- Station Number
- Time and Date

### Entering the Station Name

- 1** Press the administration button.
- 2** Choose **Default Menus**, and then press ✓).
- 3** Choose **Fax Settings**, and then press ✓.
- 4** Choose **Station Name**, and then press ✓.
- 5** Enter the Station Name (a personal name or company name) by selecting letters and pressing ✓ after each letter.
- 6** When you are finished, choose **Submit**, and then press ✓. This returns you to the Fax Settings menu.

### Entering the Station Number

- 1** Choose **Station Number** from the Fax Settings menu, and then press ✓.
- 2** Enter your fax phone number by selecting numbers and pressing ✓ after each number.

*Set up to send and receive faxes*

- When you are finished, choose **submit** and then press **✓**. This returns you to the Fax Settings menu. Choose **Home** and then press **✓**.

## Entering the time and date

If the date and time are not correct on your MFP, follow the steps below.

- Press the administration button.
- Choose **Default Menus**, and then press **✓**.
- Scroll to the next screen using the arrow keys.
- Choose **Set Date and Time**, and then press **✓**.
- Set the Year, Month, Day, Hour (24 Hour), and Minute.
- Choose **submit**, and then press **✓**.

## Sending a fax from your MFP

**Note:** To enter a fax shortcut, place the document in the ADF or on the flatbed and press the **#** key and then the shortcut number.

- Place your document in either the scanner ADF or lay it on the scanner flatbed.
- Press **Fax**.
- Enter the fax number using the numeric keypad.
- Press **Start** or select **Fax It** on the display.
- A Fax Confirmation page prints, telling you if you are successful.

For more information about faxing, refer to the publications CD.

### What do I do next?

Task	Go to page...
After you have set up the MFP to send and receive faxes, you are ready to set up the e-mail server.	59

# Step 15: Set up your e-mail server

In order to use the e-mail function on your MFP, you must set up the e-mail server first. Your e-mail server settings must be configured using the MFP resident Web page.

To access the resident Web page:

**Note:** If you do not know the IP address of your MFP, you can find it on the network setup page (for help, see “Printing a network setup page” on page 44).

- 1 Type the MFP’s IP address in the URL address field of your browser (for example, <http://192.168.236.24>).
- 2 Click **Configuration** from the left column.
- 3 Click **E-mail/FTP Settings** from the Default Settings column.
- 4 Click **Server Setup** at the bottom of the page. Enter the settings for your e-mail server.

Setting	Type of entry	Information
Primary SMTP Gateway	Numeric	IP address of the primary SMTP gateway
Primary SMTP Gateway Port	Numeric	<b>Default:</b> 25
Secondary SMTP Gateway	Numeric	IP address of the secondary SMTP gateway
Secondary SMTP Gateway Port	Numeric	<b>Default:</b> 25
SMTP Timeout	Numeric	5–30 seconds <b>Default:</b> 5 seconds

Setting	Type of entry	Information
Server Requires Authentication	Checkbox/Text	Check this option if your e-mail server requires user authentication. Enter your userid and password.
Reply Address	Text	Required. E-mails sent to the MFP will appear to originate from this address.
Subject	Text	Optional. Subject line for the e-mail. If a subject line is entered on the Server settings page, this is what appears by default on the control panel. You can change the subject line at the control panel using the display keyboard.
Message	Text	Optional. This text is sent in the body of each e-mail.

## Choosing E-mail Attachment or Web Link

**Note:** Images must be specified as attachments or Web Links. *The two cannot be mixed.* E-mail shortcuts will *not* allow a choice between Web Link and attachment, and any shortcut imported will have that setting ignored.

Images can be sent as attachments or Web Links. Attachments are actual *files* that are included in the e-mail. Web Links are a *path* to a directory or server where the image is located that is included in the e-mail.

To set up a Web Link:

- 1** Type the MFP's IP address in the URL address field of your browser (for example, <http://192.168.236.24>).
- 2** Click **Configuration** from the left column.
- 3** Click **E-mail/FTP Settings** from the Default Settings column.
- 4** Click **Server Setup** at the bottom of the page.

## 5 Enter your **Web Link** settings at the bottom of the page.

Setting	Type of entry	Additional information
Server	Text	This is the address of the FTP server where the images will be placed. Example: mycompany.net
Login	Text	Account login name for the FTP server.
Password	Text	Password for the login name.
Path	Text	Complete path to the directory where the images will be stored. Example: /docs/scanned files
Filename	Text	Base file name for the images to be stored, date and timestamp will be added to base, as might '-1' '-2' and so on for things like JPEGs. (*,:;?,<,> ," are invalid)
Web link	Text	Complete path to the HTTP address or directory where users can access the image. The body of a sent e-mail includes this path plus a filename for the images scanned. Example: http://mycompany.net/docs/scannedfiles

### What do I do next?

Congratulations! You are finished with the MFP set up. If you need more information about your MFP, see "Other sources of information" on page 63.

*Set up your e-mail server*

# Other sources of information

## Publications CD

The publications CD provides information about loading paper, clearing error messages, ordering and replacing supplies, 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](http://www.lexmark.com/publications).

### *Viewing the CD contents*

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

The *User's Reference* includes the following types of helpful information:

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

- Copy, scan, and fax information
- Tips for successful printing
- Ways to improve print quality
- Information about using the MFP control panel
- Instructions for replacing supplies
- Solutions to common problems
- Methods for clearing paper jams
- Overview of MFP menus
- Explanation of MFP 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 MFP for easy access.
- Send Lexmark's MFP documentation URL to MFP users (**[www.lexmark.com/publications](http://www.lexmark.com/publications)**). Users with Internet access can browse the site.

## ***Quick Reference and Clearing Jams***

The MFP *Quick Reference* provides easy access to information about how to make simple copies, send a fax, and how to use the control panel. The *Quick Reference* also provides helpful information about clearing paper jams. This information is available on the publications CD. Store the information near the MFP for easy access.

## **Drivers CD**

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

## **Lexmark Web site**

Visit our Web site at **[www.lexmark.com](http://www.lexmark.com)** for updated print and scan drivers, utilities, and other MFP documentation.

## **Congratulations!**

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

# Notices

## Electronic emission notices

### FCC rules Part 15

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The FCC Class A limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

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

**Note:** To assure compliance with FCC regulations on electromagnetic interference for a Class A computing device, use a properly shielded and grounded cable such as Lexmark part number 12A2405 for USB attach. Use of a substitute cable

not properly shielded and grounded may result in a violation of FCC regulations.

### Industry Canada compliance statement

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

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

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

### European Community (EC) directives conformity

This product is in conformity with the protection requirements of EC Council directives 89/336/EEC, 73/23/EEC, and 1999/5/EC on the approximation and harmonization of the laws of the Member States relating to electromagnetic compatibility and safety of electrical equipment designed for use within certain voltage limits and on radio equipment and telecommunications terminal equipment.

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

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

## Radio interference notice

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

## Telecommunications notices

### FCC rules Part 68

This equipment complies with Part 68 of the FCC rules and the requirements adopted by the Administrative Council for Terminal Attachments (ACTA). On the back of this equipment is a label that contains, among other information, a product identifier in the format US:AAAEQ##TXXXX. If requested, this number must be provided to the Telephone Company.

This equipment uses the RJ-11C Universal Service Order Code (USOC) jack.

A plug and jack used to connect this equipment to the premises' wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. See "Attaching a network cable" on page 37 for more information.

The Ringer Equivalence Number (REN) is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact your local telephone company. For products approved after July 23, 2001, the REN for this product is part of the product identifier that has the format US:AAAEQ##TXXXX. The digits represented by ## are the REN without a decimal point (for

example, 03 is a REN of 0.3). For earlier products, the REN is shown separately on the label.

If this equipment causes harm to the telephone network, the Telephone Company will notify you in advance that temporary discontinuance of service may be required. But if advance notice isn't practical, the Telephone Company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

Telephone companies report that electrical surges, typically lightning transients, are very destructive to customer terminal equipment connected to AC power sources. This has been identified as a major nationwide problem. It is recommended that the customer install an appropriate AC surge arrester in the AC outlet to which this device is connected. This is to avoid damage to the equipment caused by local lightning strikes and other electrical surges.

The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of this equipment. If this happens, the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

If trouble is experienced with this equipment, for repair or warranty information, launch the MFP CD, and then click **Contact Lexmark** for a complete list of phone numbers and Web sites. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

This equipment contains no user serviceable parts. For repair and warranty information, launch the MFP CD, and then click **Contact Lexmark** for a complete list of phone numbers and Web sites.

Connection to party line service is subject to state tariffs. Contact the state public utility commission,

public service commission, or corporation commission for information.

If your building has specially wired alarm equipment connected to the telephone line, ensure the installation of this equipment does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

The Telephone Consumer Protection Act of 1991 makes it unlawful for any person to use a computer or other electronic device, including fax machines, to send any message unless said message clearly contains in a margin at the top or bottom of each transmitted page or on the first page of the transmission, the date and time it is sent and an identification of the business or other entity, or other individual sending the message, and the telephone number of the sending machine or such business, other entity, or individual. (The telephone number provided may not be a 900 number or any other number for which charges exceed local or long-distance transmission charges.)

See the Fax Setup section on the publications CD in order to program this information into your fax machine.

### **Notice to users of the Canadian telephone network**

This product meets the applicable Industry Canada technical specifications.

The Ringer Equivalence Number (REN) is an indication of the maximum number of terminals allowed to be connected to a telephone interface. The terminus of an interface may consist of any combination of devices, subject only to the requirement that the sum of the RENs of all the devices does not exceed five. The modem REN is located on the rear of the equipment on the product labeling.

Telephone companies report that electrical surges, typically lightning transients, are very destructive to customer terminal equipment connected to AC

power sources. This has been identified as a major nationwide problem. It is recommended that the customer install an appropriate AC surge arrester in the AC outlet to which this device is connected. This is to avoid damage to the equipment caused by local lightning strikes and other electrical surges.

This equipment uses CA11A telephone jacks.

### **Using this equipment in Germany**

This equipment requires a German billing tone filter Lexmark part number 14B5123 to be installed on any line which receives metering pulses in Germany. Metering pulses may or may not be present on analog lines in Germany. The subscriber may request that metering pulses be placed on the line, or can have them removed by calling the German network provider. Normally, metering pulses are not provided unless specifically requested by the subscriber at the time of installation.

### **Using this equipment in Switzerland**

This equipment requires a Swiss billing tone filter Lexmark part number 14B5109 to be installed on any line which receives metering pulses in Switzerland. The Lexmark filter must be used, as metering pulses are present on all analog telephone lines in Switzerland.



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