

LEXMARK™

3200

Color Jetprinter™



User's Guide

First Edition (August 1998)

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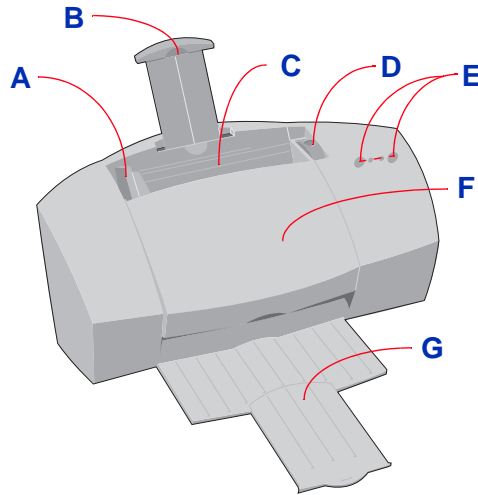
Understanding your printer

Chapter 1

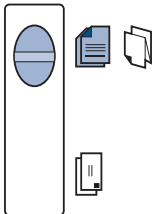
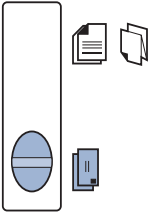
Your printer is a general purpose color inkjet printer that provides high quality text and graphics. This printer can print on single sheet paper, envelopes, labels, index cards, postcards, coated paper, glossy film, photo paper, transparencies, greeting cards, banners, and iron-on transfers.

Using the parts of the printer

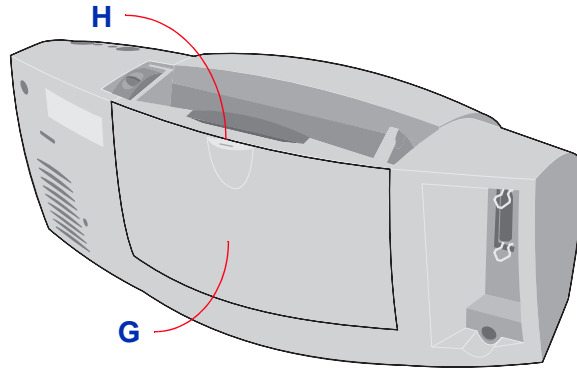
This illustration shows the front parts of the printer.



Use the:	When you want to:
(A) Media guide	Align the sheet feeder to the correct paper size.
(B) Paper support	Keep paper and specialty media straight in the sheet feeder.
(C) Sheet feeder	Load paper and specialty media.

Use the:	When you want to:
(D) Media selector	<p>Select paper or envelope loading positions.</p> <p>Move the media selector to the:</p> <ul style="list-style-type: none"> • Paper position <p>when you want to print:</p> <ul style="list-style-type: none"> – Paper – Coated paper – Banner paper  <ul style="list-style-type: none"> • Envelope position <p>when you want to print:</p> <ul style="list-style-type: none"> – Envelopes – Photo paper – Glossy film – Transparencies – Iron-on transfers – Labels – Greeting cards – Index cards – Postcards – Hagaki (Japanese postcards) 
(E) Buttons and lights	<ul style="list-style-type: none"> • See the printer status. • Turn the printer on or off. • Eject paper from the printer. <p>For information, see “Using the printer's buttons and lights” on page 5.</p>
(F) Front cover	<ul style="list-style-type: none"> • Install or change print cartridges. • Clear paper jams.
(G) Paper exit tray	Keep paper together after printing.

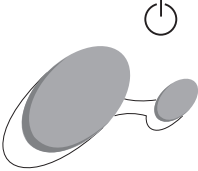
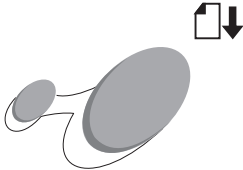
The following illustration shows the back parts of the printer.



Use the:	When you want to:
(G) Banner paper holder	Print on banner or continuous form paper.
(H) Banner paper support (inside the banner paper holder)	Keep banner paper straight in the banner paper holder (maximum 10 sheets).

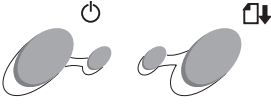
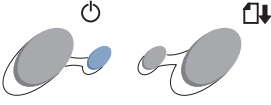
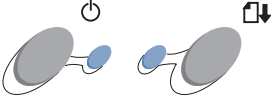

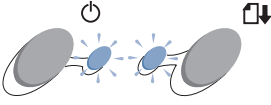
Using the printer's buttons and lights

Your printer has two groups of buttons and lights:

Use this group:	When you:
 <p>Power button and light</p>	Turn the printer on or off.
 <p>Paper feed light and button</p>	<ul style="list-style-type: none">• Want to eject paper from the printer.• Have loaded sheet feeder with paper after running out.• Want to continue printing.

Reading the printer lights

The printer has a Power light and a Paper feed light.

If your printer lights look like this:	Then the printer:
 <p>Both lights are Off</p>	is Off .
 <p>Power light is On Paper feed light is Off</p>	is On and ready to print.
 <p>Both lights are On</p>	is printing.
 <p>Power light is On Paper feed light is blinking</p>	may be out of paper. For help, see “Error lights” on page 51.
 <p>Both lights are blinking</p>	may have a stalled cartridge carrier or other error. For help, see “Error lights” on page 51.

Using the printer software

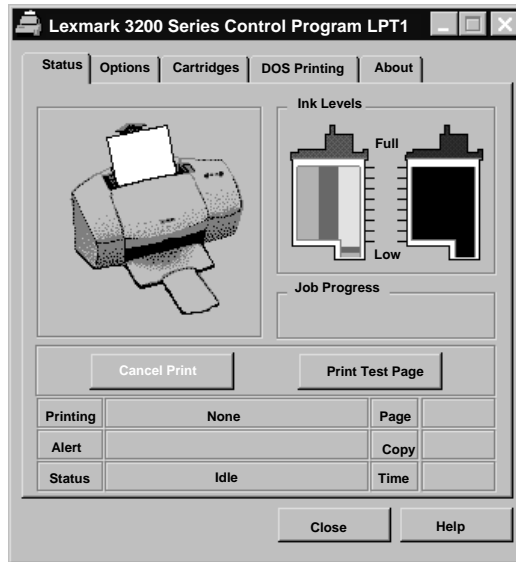
Chapter 2

When you installed the software for your printer, several applications were installed on your computer. The printer software applications allow you to perform printing tasks with the best printing results. You can also use the printer software to care for your printer.

For information about using this application:	On this operating system:	See page:
Control Program	Windows 95, 98, 3.1, 3.11	8
Printer Properties	Windows 95, 98, 3.1, 3.11	9
Spool Manager	Windows 3.1 or 3.11	11

For information about using the printer software in Windows NT 4.0, see “Printing from Windows NT 4.0” on page 63.

Using the Control Program



The Control Program appears (or runs minimized) each time you send a print job. Use the Control Program when you want to:

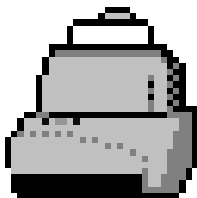
- Align print cartridges
- Change DOS settings
- Control when and how the Control Program appears
- Install or replace print cartridges
- Monitor print jobs and print cartridge ink levels
- Print a test page

Opening the Control Program in Windows 95 or 98

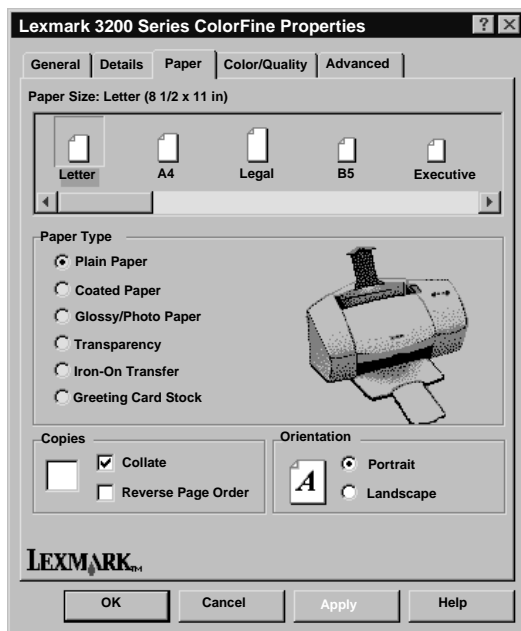
- 1 From the Start menu, click **Programs**.
- 2 Click the Lexmark 3200 program group.
- 3 Click **Lexmark 3200 Control Program on LPTx**.

Opening the Control Program in Windows 3.1, 3.11

From the Lexmark 3200 program group, double-click the **Control Program** icon.



Using the Printer Properties



Use the Printer Properties when you want to:

- Adjust color usage
- Adjust the quality of print jobs
- Choose different sizes and types of media
- Choose page orientation
- Reset document defaults

Opening the Printer Properties from your application

You can open the Printer Properties from almost any application. This allows you to change printer settings for each document you print. To open the Printer Properties:

- 1 Open the application's File menu.
- 2 Choose **Print** (or **Printer Setup**).
- 3 In the Printer Setup dialog box, click the **Properties**, **Options**, or **Setup** button (depending on the application).
- 4 Change settings as needed.

Opening the Printer Properties from Windows

When you open the Printer Properties from Windows, the settings apply to all print jobs, unless you change them from the application.

Windows 95 or 98

- 1 From the Start menu, choose **Settings**, then choose **Printers**.
- 2 From the Printers folder, right-click the printer icon for your Lexmark Color Jetprinter™.
- 3 Choose **Properties** from the sidebar menu.

Windows 3.1 or 3.11

- 1 Open the Lexmark 3200 Control Program.
- 2 Click the **Windows Printing** tab.
- 3 Click the **Windows Driver Setup** button.

Using the Spool Manager in Windows 3.1 or 3.11



In Windows 3.1 or 3.11, use the Spool Manager when you want to:

- Pause or cancel print jobs
- Requeue a print job
- View the print jobs in your queue

Opening the Spool Manager

- 1 From the Lexmark 3200 program group, double-click the **Control Program** icon.
- 2 Click the **Windows Printing** tab.
- 3 Click the **Spool Manager** button.

Windows 95, 98, and Windows NT 4.0 come with their own version of Spool Manager.

Learning more about your printer software

To learn more about the printer setting options, click the **Help** button at the bottom of each tab in the printer software.

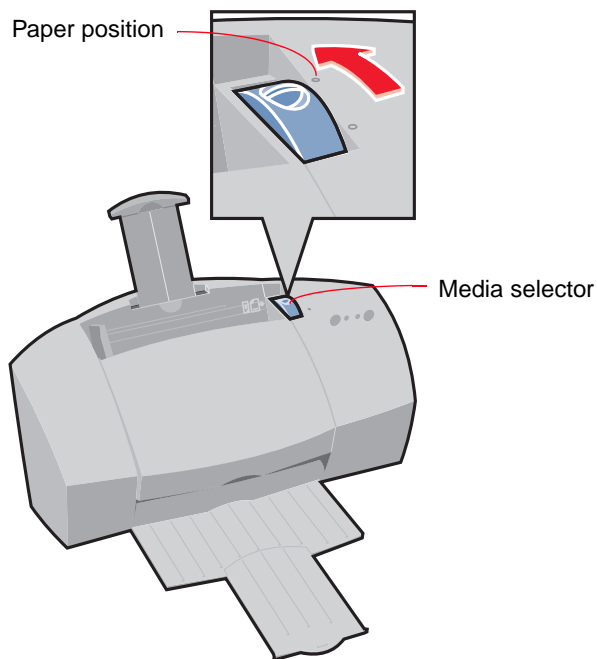
Printing on plain paper

Chapter 3

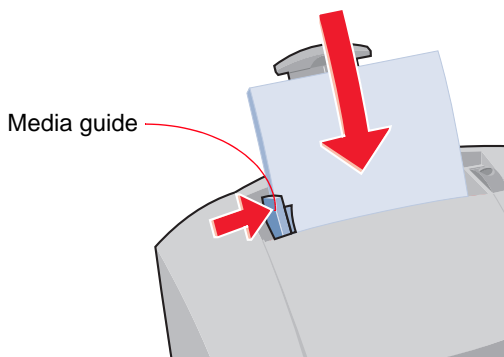
Loading paper

You can load up to 100 sheets of paper into the printer. To load the paper:

- 1 Make sure the media selector is in the paper position .



- 2 Place the paper against the right side of the sheet feeder, with the print side facing you.



- 3 Slide the media guide to the edge of the paper.

Checking printer settings

If you are using plain, letter-sized paper, and you want normal print quality and speed, just send the file to print.

To check your printer settings each time you print:

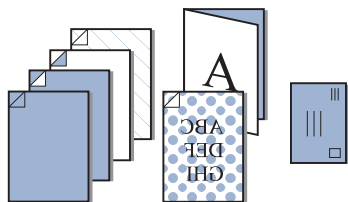
- 1 Open your application's File menu.
- 2 Choose **Print** (or **Printer Setup**).
- 3 In the Printer Setup dialog box, click the **Properties**, **Options**, or **Setup** button (depending on the application).

Tip: When you change the printer settings from your application, the settings apply only to that print job. To make your changes apply to all print jobs, see “Using the printer software” on page 7.

Printing everything else

Chapter 4

Follow the steps in this chapter to print everything from transparencies to photos.



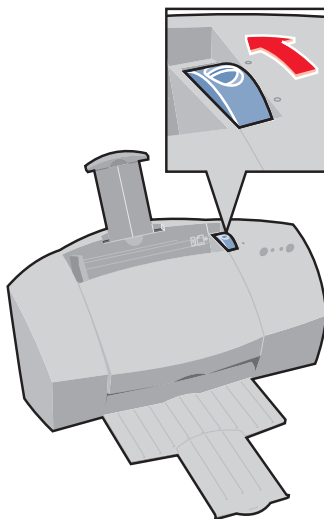
The following table lists the typical printing needs described in this chapter:


For information about:	See page:
Printing on special print media	16
Printing transparencies	17
Printing envelopes, index cards, or postcards	19
Printing on customized paper sizes	20
Printing greeting cards	22
Printing iron-on transfers	23
Printing banners	25
Printing photos	28

Printing on special print media

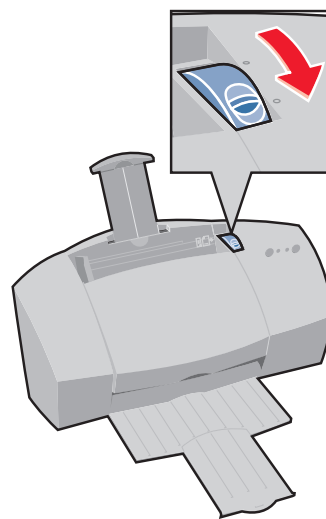
Whenever you print on special print media, make sure:


- You customize your printer settings to ensure the best printing results.
- The media selector is in the correct position.



Use the **paper position**  when you select the following paper types:

- Plain Paper
- Coated paper
- Banner



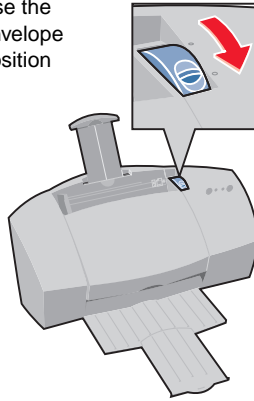
Use the **envelope position**  when you select the following paper types:

- Envelopes
- Photo paper
- Glossy film
- Transparencies
- Greeting cards
- Labels
- Iron-on transfers
- Index cards
- Postcards
- Hagaki (Japanese postcards)

Printing transparencies

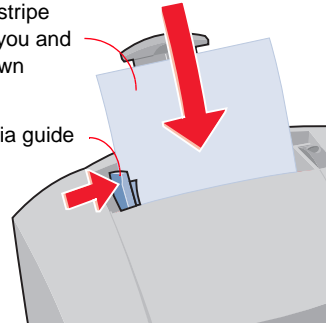
- 1 Load one transparency against the right side of the sheet feeder.

Use the envelope position



Insert one transparency with the removable stripe away from you and pointing down

Adjust media guide

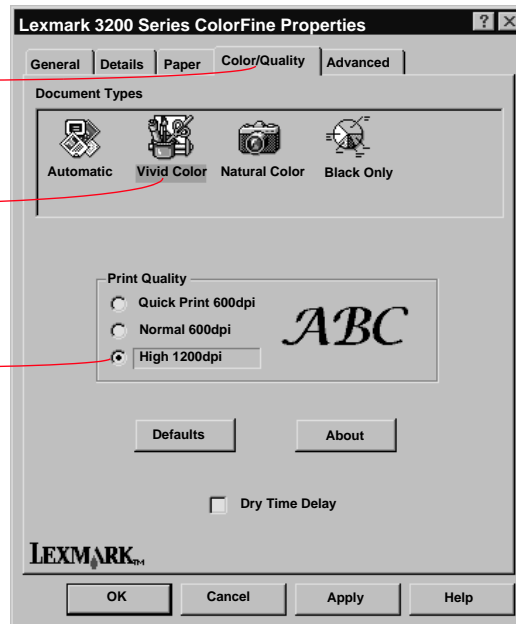


- 2 Customize the printer settings for printing transparencies. For help opening the Printer Properties, see “Using the Printer Properties” on page 9.

Click the **Color/Quality** tab

Select **Vivid Color**

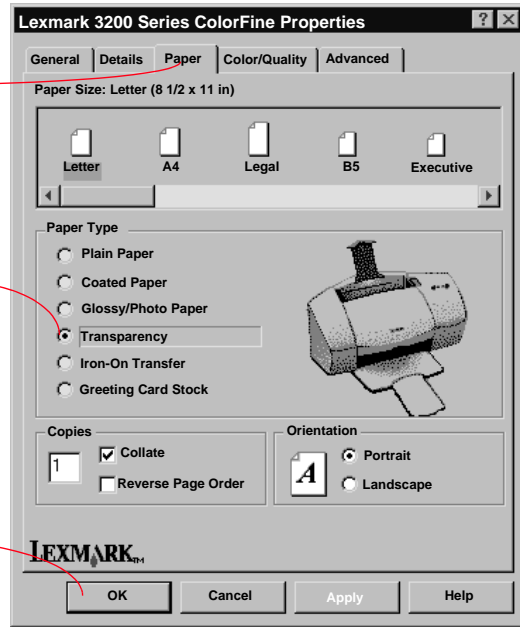
Select **High 1200dpi**



Click the **Paper** tab

Select **Transparency**

Click **OK**



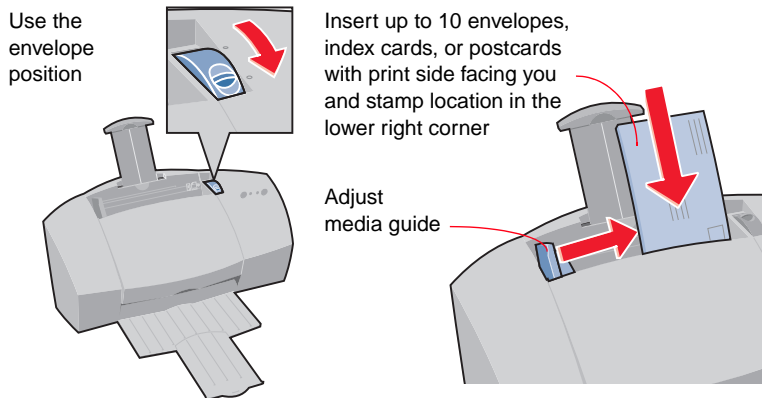
3 Send the transparency to print.

Tips:

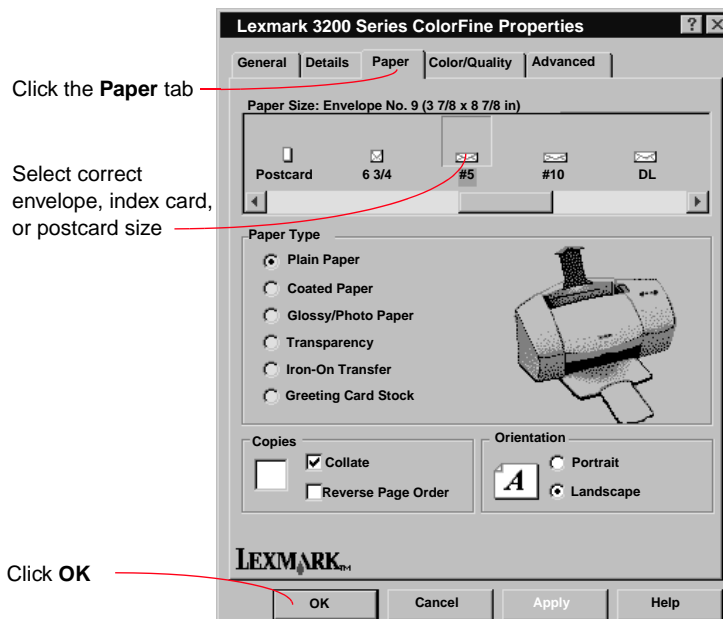
- Remove each transparency as it exits the printer and allow it to dry before stacking.
- If you send more than one transparency to the printer, the printer software prompts you to load each transparency separately.

Printing envelopes, index cards, or postcards

- 1 Load envelopes, index cards, or postcards against the right side of the sheet feeder.



- 2 Customize the printer settings for printing envelopes, index cards, or postcards. For help opening the Printer Properties, see “Using the Printer Properties” on page 9.



- 3 Send the envelopes, index cards, or postcards to print.

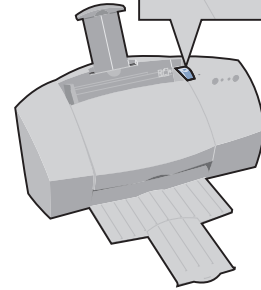
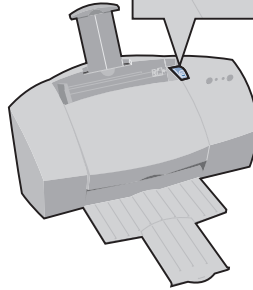
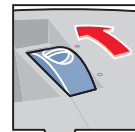
Printing on customized paper sizes

- 1 Use the correct position for the type of media you are printing.

Use the envelope position for special print media



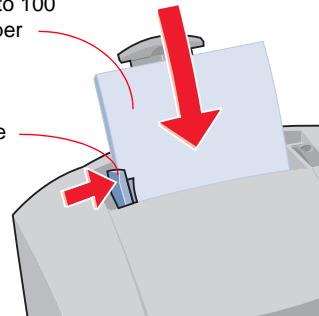
Use the paper position for plain paper



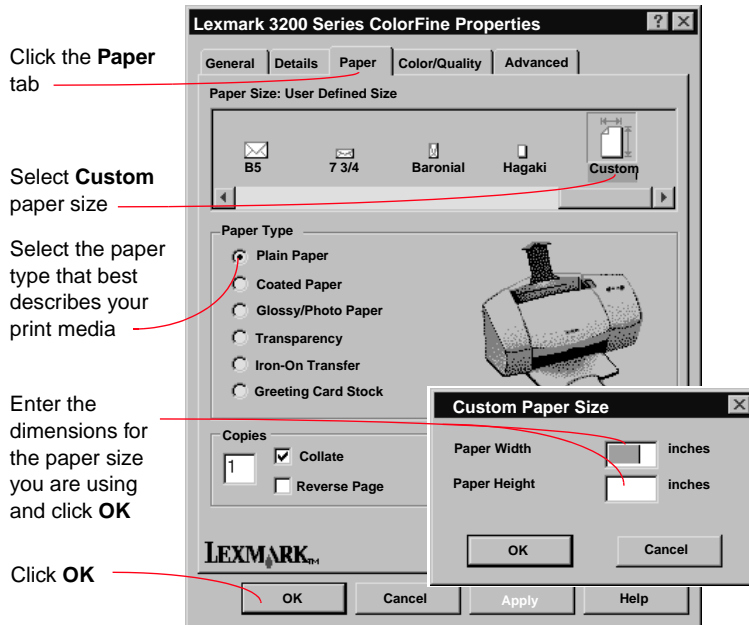
- 2 Load the media against the right side of the sheet feeder.

Load one sheet of special print media, or up to 100 sheets of plain paper

Adjust media guide



- 3** Customize the printer settings for printing special paper sizes. For help opening the Printer Properties, see “Using the Printer Properties” on page 9.

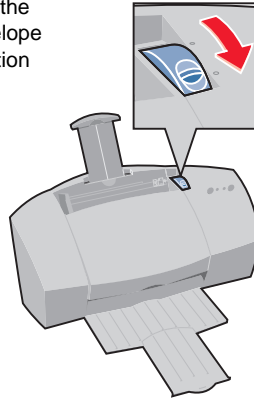


- 4** Send the print job.

Printing greeting cards

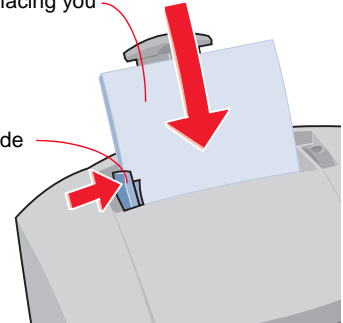
1 Load greeting card(s) against the right side of the sheet feeder.

Use the envelope position



Insert up to 30 greeting cards with print side facing you

Adjust media guide



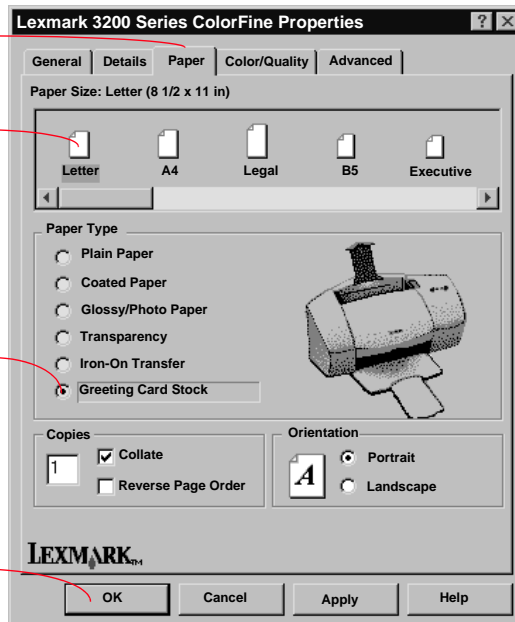
2 Customize the printer software to print greeting cards. For help opening the Printer Properties, see “Using the Printer Properties” on page 9.

Click the **Paper** tab

Select the paper size

Select **Greeting Card Stock**

Click **OK**

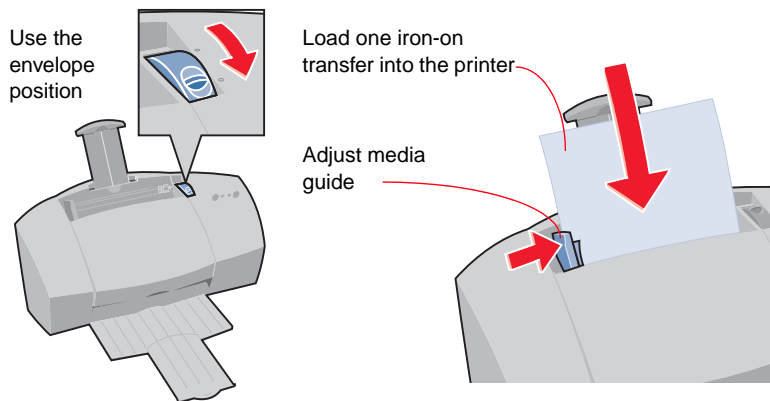


Note: The settings in your greeting card application may override the printer software settings. Check the documentation that came with your application for more information.

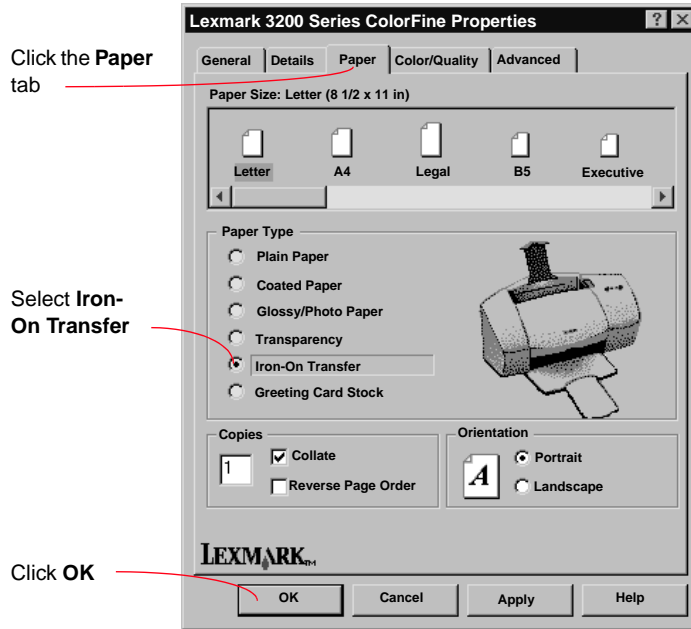
- 3 Send the greeting card to print.

Printing iron-on transfers

- 1 Load one iron-on transfer against the right side of the sheet feeder.



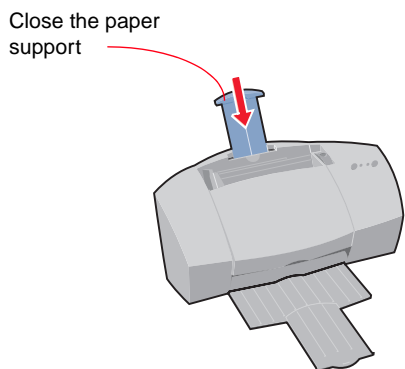
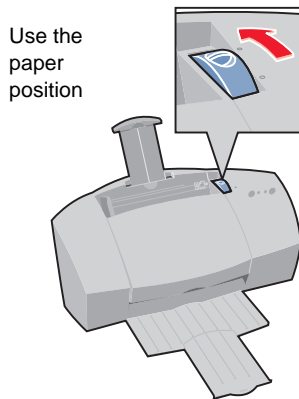
- 2 Customize the printer software to print iron-on transfers. For help opening Printer Properties, see “Using the Printer Properties” on page 9.



- 3 Send the iron-on transfer to print.

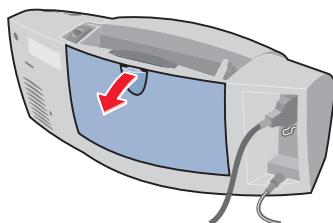
Printing banners

- 1 Get ready to print banners. (You may also need to remove the tractor holes from your banner or continuous form paper.)

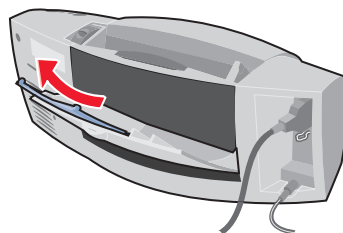


- 2 Load banner paper into the printer.

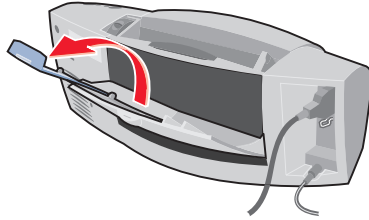
a Open banner paper holder on the back of the printer



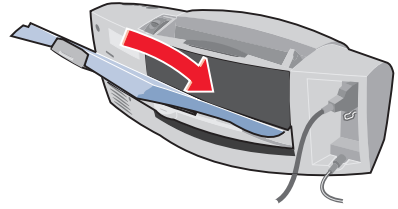
b Pull up banner paper support



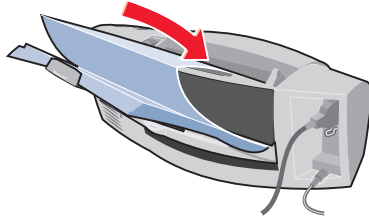
- c Flip the banner paper support extension upward



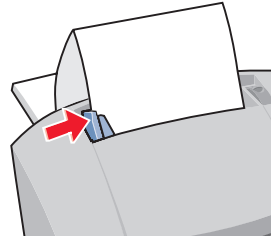
- d Insert up to 10 sheets of banner paper into the banner paper holder



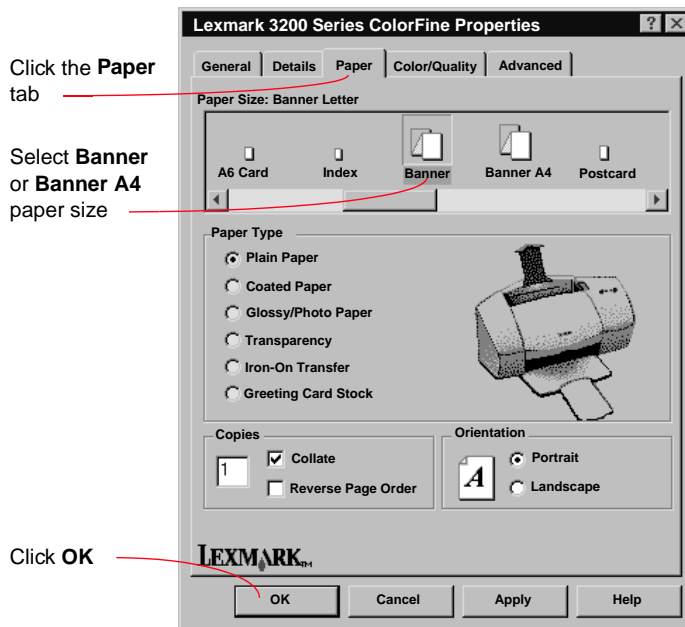
- e Insert leading edge of the first page into the sheet feeder



- f Adjust media guide




- 3 Customize the printer software for printing banners. For help opening the Printer Properties, see “Using the Printer Properties” on page 9.



- 4 Send your banner to the printer.

Removing extra banner paper from the printer

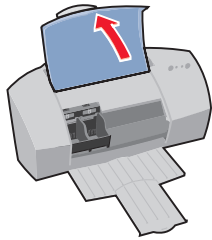
If you loaded more banner paper than you needed:

- 1 Tear off your banner.
- 2 Press the Paper Feed button  to remove extra paper from the sheet feeder.

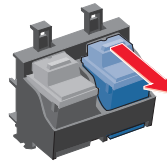
Printing photos

1 Replace the Black print cartridge with the Photo print cartridge.

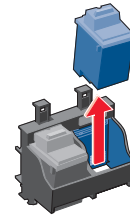
a Open the front cover



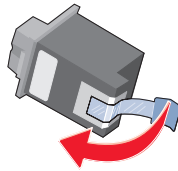
b Snap the black cartridge out of place



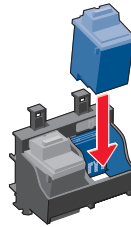
c Remove the black cartridge from the cartridge carrier



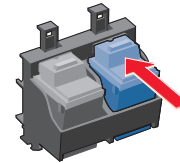
d Prepare the Photo cartridge



e Insert the Photo cartridge



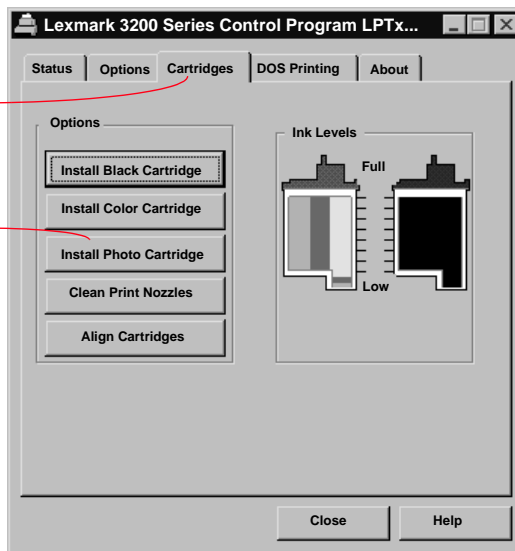
f Snap the Photo cartridge into place



- 2 Complete the cartridge installation by updating the printer software. For help opening the Control Program, see “Using the Control Program” on page 8.

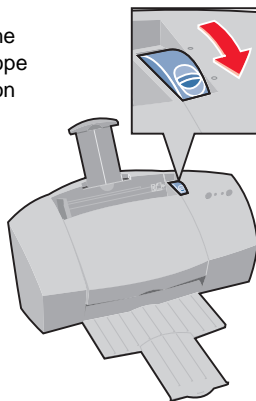
From the Control Program, click the **Cartridges** tab

Click Install Photo Cartridge to let the printer software know you installed a **Photo** cartridge



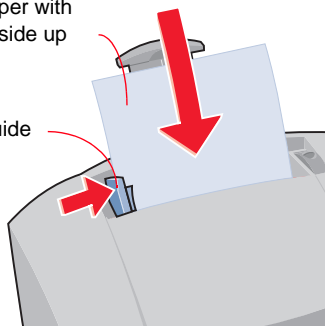
- 3 Insert one sheet of photo paper against the right side of the sheet feeder.

Use the envelope position



Insert one sheet of photo paper with the print side up

Adjust media guide

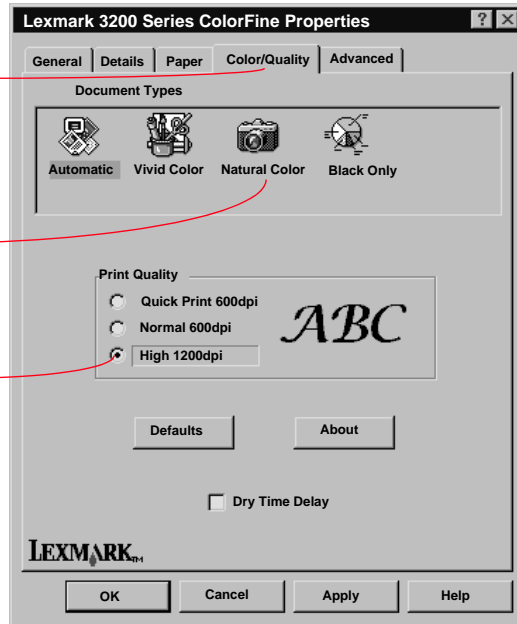


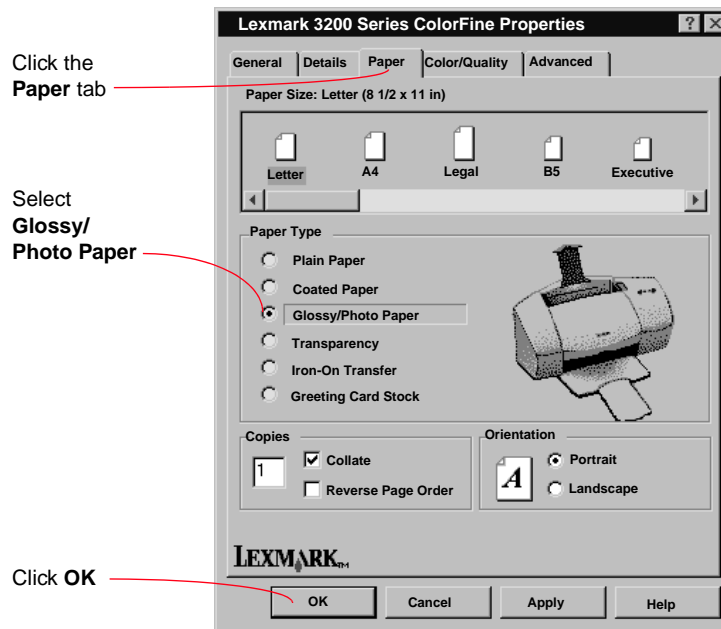
- 4 Customize the printer software for printing photos. For help opening the Printer Properties, see “Using the Printer Properties” on page 9.

Click the **Color/Quality** tab

Select **Natural Color**

Use the highest print quality





5 Send the photo to the printer.

Tips:

- Remove each sheet as it exits the printer and allow it to dry before stacking.
- If you change print media, remember to set the position of the media selector correctly for your next print job. For help, see “Loading paper” on page 13.
- For best results, remember to replace the Photo cartridge with a Black cartridge before you print text files. For help, see “Installing or changing a print cartridge” on page 36.

Caring for your printer

Chapter 5

This chapter describes how to care for your printer and install, replace, and care for your print cartridges.

For information about:	See page:
Installing or replacing print cartridges	34
Removing a print cartridge from the printer	34
Installing or changing a print cartridge	36
Completing the cartridge installation	38
Aligning print cartridges	40
Cleaning print nozzles	42
Wiping print nozzles and contacts	44
Cleaning print cartridge carrier contacts	45
Preserving print cartridges	46

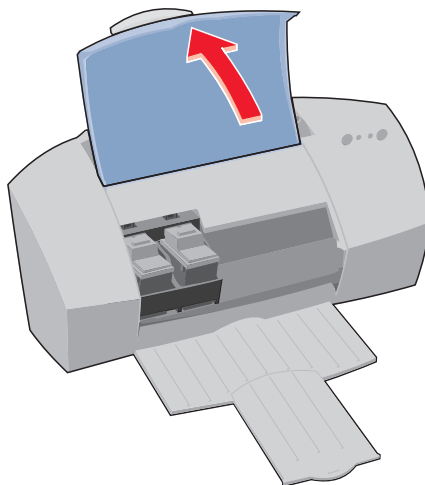
Installing or replacing print cartridges

- If you are replacing a print cartridge, begin with “Removing a print cartridge from the printer.”
- If you are installing a print cartridge for the first time, see “Installing or changing a print cartridge” on page 36.

Removing a print cartridge from the printer

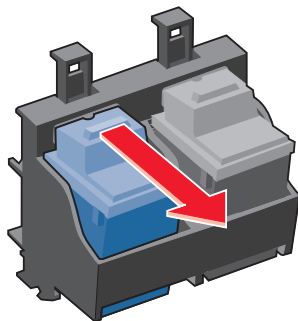
If you need to remove a print cartridge before you install a different one, follow these steps:

- 1** Make sure the power light is on.
- 2** Raise the front cover.

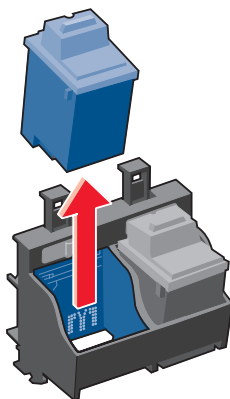


The print cartridge carrier automatically moves to the loading position.

- 3 Pull the handle of the print cartridge you are replacing toward you until you hear a *snap*.



- 4 Remove the print cartridge by lifting it straight out of the printer.



- 5 Store or dispose of the cartridge you remove.

Storing an extra print cartridge

If you have purchased a Photo print cartridge, we highly recommend using a print cartridge storage unit to keep an extra print cartridge fresh when you are not using it. For information about ordering a print cartridge storage unit, see “Ordering supplies” on page 61.

Disposing of a used print cartridge

Do not shake a used print cartridge. The remaining ink can leak. Before discarding the used print cartridge, put it in a leak-proof bag.

- 6 Continue with “Installing or changing a print cartridge.”

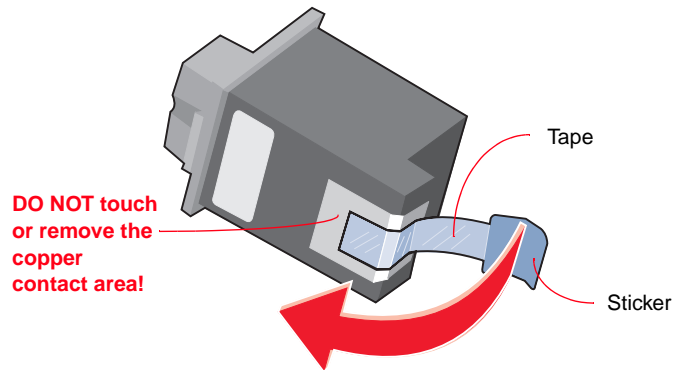
Installing or changing a print cartridge

For the best print quality, you must install the print cartridge in the printer *and* update the printer software.

If necessary, follow the steps for “Removing a print cartridge from the printer” on page 34 before proceeding.

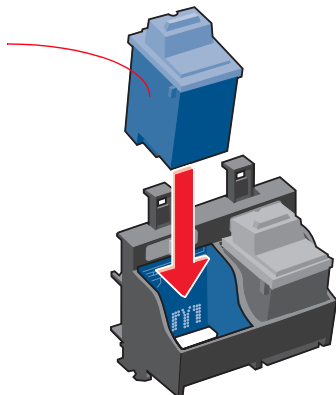
To install the cartridge in the printer, follow these steps:

- 1 If you are installing a new print cartridge:
 - a Remove it from its packaging.
 - b Carefully remove the sticker and transparent tape covering the copper printhead from the cartridge.



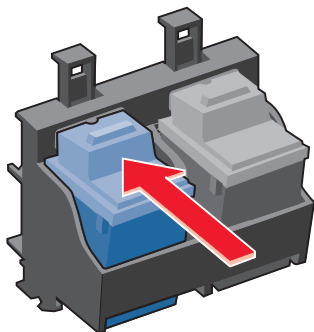
- 2** Insert the replacement print cartridge into the print cartridge carrier.

Color cartridge



Insert this cartridge type:	Into this cartridge carrier slot:
Color	left
Black or Photo	right

- 3** Push **back** firmly on the cartridge until it *snaps* securely into place.



If the print cartridge moves loosely in the carrier, it is not locked into place. Repeat this step.

- 4** Close the front cover.
- 5** **IMPORTANT:** Continue with “Completing the cartridge installation” on page 38.

Completing the cartridge installation

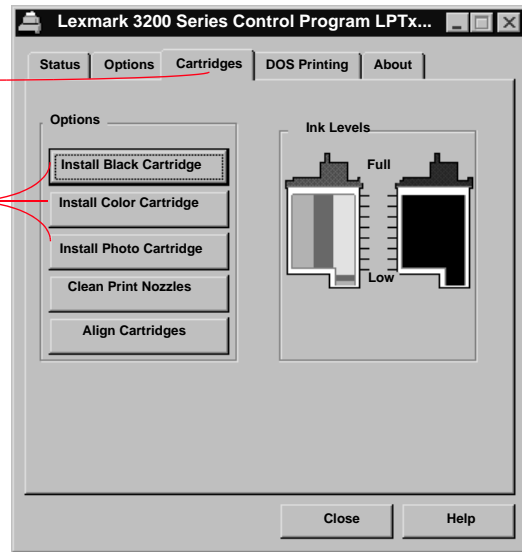
To complete your cartridge installation, you must update your printer software by indicating the cartridge change you made in the printer. Updating the printer software ensures the best print quality and an updated ink level image in the Control Program.

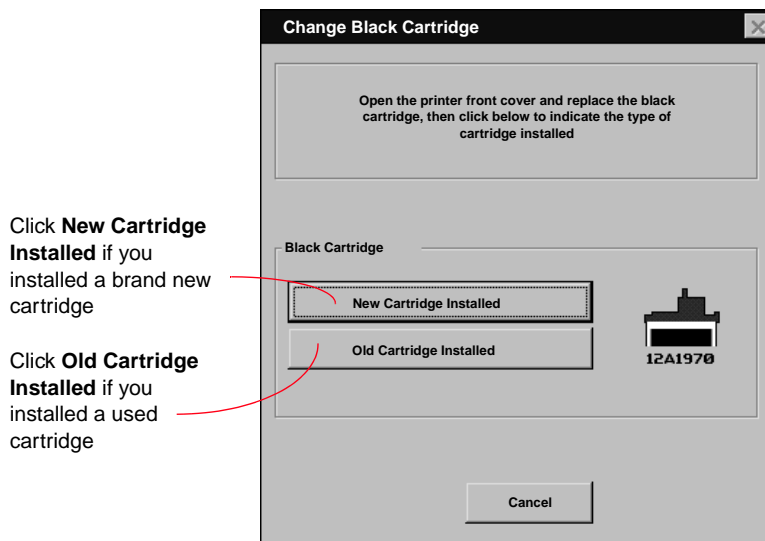
To complete the cartridge installation:

- 1 Use the Control Program to update the printer software. For help opening the Control Program, see “Using the Control Program” on page 8.

Click the **Cartridges** tab

Select the appropriate button for the cartridge you installed



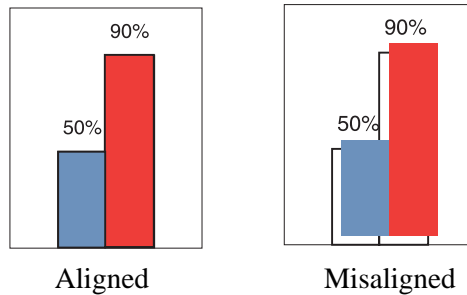


- 2** If you installed a new print cartridge, align the print cartridges for the best print quality. For help, see “Aligning print cartridges” on page 40.
- 3** If you installed two print cartridges, repeat steps 1 and 2 for the other print cartridge.

Aligning print cartridges

Normally, you only align the print cartridges after you have installed a new print cartridge. However, if the black portions of a graphic or text do not align properly with the color portions, you need to realign the print cartridges.

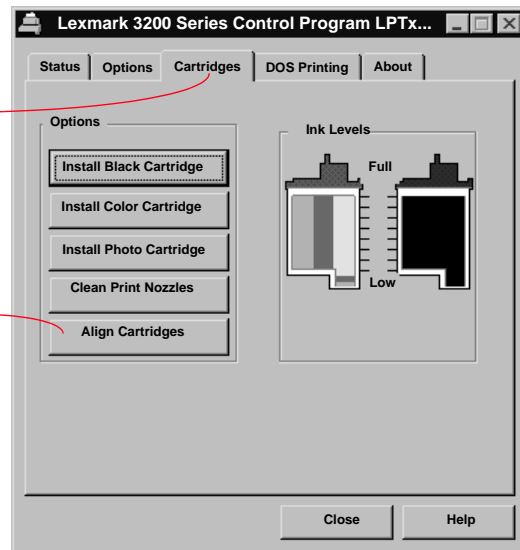
Below are results of aligned and misaligned print cartridges:



- 1 Use the Control Program to begin alignment. For help opening the Control Program, see “Using the Control Program” on page 8.

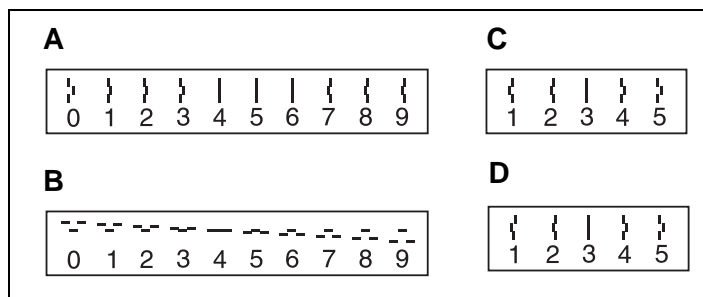
From the Control Program, click the **Cartridges** tab

Select the **Align Cartridges** button



The Align Cartridge dialog box appears on your screen. Depending on the cartridge combination you have installed in your printer, a test page with one or more alignment patterns is printed. Each pattern has a number under it.

Below are example test patterns:



- 2** From each alignment group on the test page, locate the number under the alignment pattern that comes closest to forming a perfectly straight line.
For example, in sample group **A**, pattern **5** comes closest to forming a straight line.
- 3** In the Align Cartridges dialog box, enter the numbers from the printed test page as the appropriate alignment settings.
- 4** After you have entered a number for all of the patterns, click **OK**.
- 5** Repeat steps 2-4 until the patterns print to your satisfaction.

Cleaning print nozzles

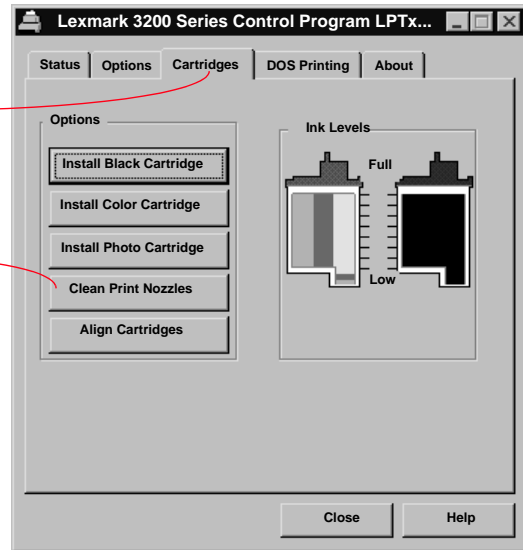
The print cartridge nozzle test helps you pinpoint any clogged nozzles. The nozzle test also cleans the print cartridge by cleaning the nozzles. A test line prints so you can see if the cleaning process was successful.

Use the nozzle test when you suspect the nozzles are clogged or when characters are not printing completely.

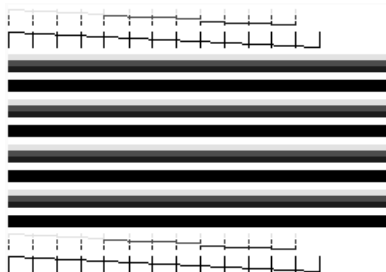
- 1 Use the Control Program to run the nozzle test. For help opening the Control Program, see “Using the Control Program” on page 8.

From the Control Program, click the **Cartridges** tab

Select the **Clean Print Nozzles** button



The printer feeds a sheet of paper and prints a nozzle test pattern, similar to the one shown:



2 Examine the test pattern.

The example above shows a test pattern of all nozzles functioning correctly.

3 Compare the diagonal line above the printed bars to the diagonal line below the printed bars.

Look for a break in the diagonal lines. A broken line indicates clogged nozzles.

If the bottom line has fewer breaks, or better print quality than the top line, run the test two more times. If the print quality is satisfactory after running the test three times, the print nozzles are clean. You do not need to complete the remaining steps.

If the print quality of both lines is not satisfactory after running the test three times, go to step 4.

4 Remove and reinstall the print cartridge.

5 Repeat the nozzle test.

6 If the lines are still broken, wipe the print cartridge nozzles. For help, see “Wiping print nozzles and contacts” on page 44.

Wiping print nozzles and contacts

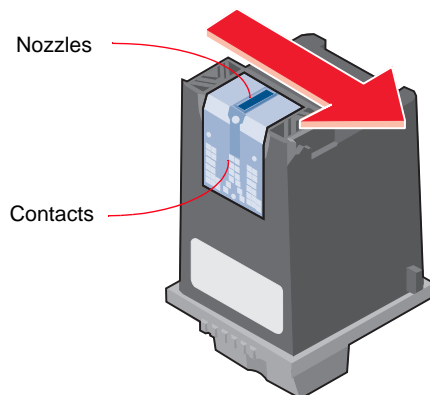
If print quality does not improve after cleaning the print nozzles (see “Cleaning print nozzles” on page 42), the problem may be caused by dried ink on the print cartridge nozzles.

To wipe the print cartridge’s nozzles and contacts:

- 1** Remove the print cartridge from the printer. For help, see “Removing a print cartridge from the printer” on page 34.
- 2** Dampen a clean cloth with water and gently wipe the entire copper-colored area, including the nozzles and contacts.

When cleaning the color print cartridge, wipe the nozzles in one direction so the colors do not mix.

To dissolve dried ink, hold the damp cloth against the nozzles for about three seconds. Gently blot and wipe dry.



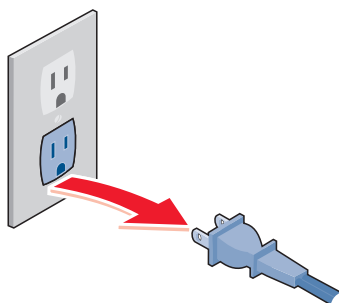
- 3** Allow the copper-colored area to dry.
- 4** Reinstall the print cartridge and repeat the nozzle test. For help, see “Cleaning print nozzles” on page 42.
- 5** If the nozzle test line is still broken, clean the print cartridge carrier contacts. For help, see “Cleaning print cartridge carrier contacts” on page 45.

Cleaning print cartridge carrier contacts

Clean the print cartridge carrier contacts only if you have cleaned and wiped the print nozzles and print quality is still unsatisfactory.

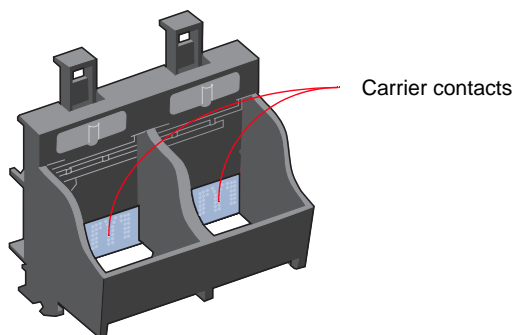
To clean the print cartridge carrier contacts:

- 1** Raise the front cover.
The print cartridge carrier automatically moves to the loading position.
- 2** Unplug the printer power cord.



This forces the print cartridges to remain in the loading position.

- 3** Remove both print cartridges. For help, see “Removing a print cartridge from the printer” on page 34.
- 4** Use a clean, dry cloth to clean the cartridge carrier contacts inside the printer.



- 5 Replace the print cartridges. For help, see “Installing or changing a print cartridge” on page 36.
- 6 Close the front cover.
- 7 Plug the printer power cord into an electrical outlet.

If the print quality has not improved after this cleaning process, replace your print cartridge. If print quality still does not improve, your printer may require service.

Preserving print cartridges

To ensure the longest life from your print cartridge and optimum performance from your printer:

- Keep a print cartridge in its packaging until you are ready to install it.
- Do not remove a print cartridge from the printer except to replace, clean, or store it in a print cartridge storage unit. The print cartridge will not print correctly if removed from the printer and left exposed for an extended period of time.
- If a print cartridge runs out of ink, leave the empty cartridge in the printer until you are ready to replace it. Printing with one of the print cartridge carriers empty may cause printer problems.
- Do not refill print cartridges. Refilling empty print cartridges invalidates your warranty. Incompatible inks can cause damage to the printhead or to the printer. For best results, use Lexmark supplies with the printer.

Troubleshooting

Chapter 6

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Bidirectional communications problems

Note: This section does not apply to Windows NT 4.0 users.

Bidirectional communications problems have two primary causes:

- You are using the wrong parallel cable.
- Your computer system is not configured for bidirectional communications.

Replacing the parallel cable

You must use an IEEE 1284-compliant parallel cable that supports bidirectional printing. Verify your printer cable meets these specifications. To purchase a Lexmark cable, see “Ordering supplies” on page 61.

Computer configuration problems

If you have the correct parallel cable, and bidirectional communications problems persist, you may have a computer configuration problem.

Contact your computer manufacturer, or see the documentation that came with your computer to determine if your computer supports bidirectional communications.

Error messages

Message: Ink low

What to do:

Your print cartridge is running out of ink. You need to purchase a new print cartridge.

Message: Out of memory

What to do:

- Before sending a file to print, close all other open files in the application you are using. The printer prints a blank page when too many files are open in the same application.
- Free memory by closing other open applications.
- Decrease the print quality of your print job.
- Consider purchasing more memory for your personal computer.
- In Windows 3.1 or 3.11, consider increasing the virtual memory to a larger value.

Message: Out of paper

What to do:

- 1 Load paper.
- 2 Follow the steps for your operating system:

Windows 95, 98, 3.1, or 3.11


Press the Paper Feed button .

Windows NT 4.0

Resend the print job.

Message: Paper jam

What to do:

- 1 Press the power button  to turn the printer off.
- 2 Pull firmly on the paper to remove it. If you cannot reach the paper because it is too far into the printer, raise the front cover and pull the paper out from the front of the printer.
- 3 Close the front cover.

- 4 Make sure the media selector is set to the correct position on the printer. For help, see “(D) Media selector” on page 3.
- 5 Resend your print job. Start with the page on which the paper jam occurred.

Message: Printhead failure

What to do:

- 1 Clean the print cartridge carrier contacts and wipe the print cartridge print nozzles of **both** print cartridges.

For help, see “Wiping print nozzles and contacts” on page 44 and “Cleaning print cartridge carrier contacts” on page 45.

- 2 Reinstall both print cartridges in the printer.
- 3 Print a Test Page.

Windows 95, 98, 3.1, or 3.11:

- a From the printer's Control Program, click the Status tab.
- b Click Print Test Page.

Windows NT 4.0:

- a From the Printers folder, right-click the printer icon for your Lexmark Color Jetprinter.
- b Choose Properties from the sidebar menu.
- c Click the Cartridges tab.
- d Click Print Test Page.

- 4 **Did the message reappear?**

YES. There may be a problem with one of the print cartridges. Continue with step 5.

NO. You have solved the problem.

- 5 Remove the Black or Photo print cartridge from the printer. For help, see “Removing a print cartridge from the printer” on page 34.

- 6 Print a test page.

- 7 **Did the message reappear?**

YES. Reinstall the Black or Photo print cartridge. For help, see “Installing or changing a print cartridge” on page 36.

NO. The problem is with the Black or Photo print cartridge. Continue with “Replacing the print cartridge.”

- 8 Remove the Color print cartridge.

- 9 Print a test page.

- 10 **Did the message reappear?**

YES. Your printer requires service. See your printer registration card for the appropriate telephone number for your country.

NO. The problem is with the Color print cartridge. Continue with “Replacing the print cartridge.”

Replacing the print cartridge

- 1 Replace the faulty print cartridge with a new print cartridge. For help, see “Installing or replacing print cartridges” on page 34.

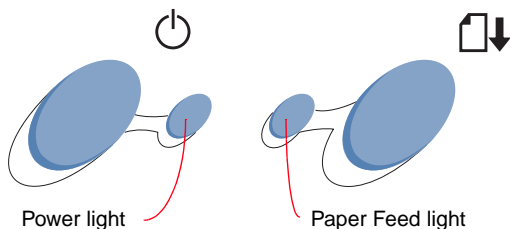
- 2 Print a test page.

- 3 **Did the message reappear?**

YES. Your printer requires service. See your printer registration card for the appropriate telephone number for your country.

NO. You have solved the problem.

Error lights




Light pattern: The Power light is on and the Paper Feed light is blinking


The printer may be out of paper or have a paper jam. Check your screen for any error messages.

What to do:

If the printer is out of paper:

- 1 Load paper.
- 2 Press the Paper Feed button .

If the printer has a paper jam:

- 1 Raise the front cover.
- 2 Remove the paper.
- 3 Press the Paper Feed button .

For help, see “Paper jam” on page 49.

Light pattern: The Power light is blinking and the Paper Feed light blinks twice


The print cartridge carrier has stalled or you have a paper jam. Check your screen for any error messages.

What to do:

If the print cartridge carrier has stalled:

- 1 Turn the printer off.
- 2 Wait a few seconds.
- 3 Turn the printer back on.

If you have a paper jam:

- 1 Raise the front cover.
- 2 Remove the paper.
- 3 Press the Paper Feed button .

For help, see “Paper jam” on page 49.

Light pattern: The Power light is blinking and the Paper Feed light blinks three times

One of the printheads may be damaged.

What to do:

Check to see if you have a printhead failure message on your screen. To find out which cartridge is causing the problem, see “Printhead failure” on page 50.

If the problem persists, your printer needs service.

Light pattern: Both lights are on, but the printer is not printing

Your paper is loaded, but your cable connections may not be secure.

What to do:

- 1 Unplug the printer from the power supply.
- 2 Check all cable connections.
- 3 Plug the printer back in.

If the problem persists, you may be using a wrong or damaged cable. For help, see “Bidirectional communications problems” on page 49.

General printing problems

Problem: Colors on printout differ from colors on screen

What to do:

To more closely match the colors on your printouts with the colors on your screen, select the correct Document Type or Document Color.

To select Natural Color as the Document Type in **Windows 95, 98, 3.1, or 3.11:**

- 1 From the application's File menu, click Print (or Printer) Setup.
- 2 In the Printer Setup dialog box, click the Properties, Options, or Setup button (depending on the application).
The Lexmark 3200 dialog box appears.
- 3 Click the Color/Quality tab.
- 4 Make sure Natural Color is selected.

To select Natural (Screen Match) as the Document Color in **Windows NT 4.0:**

- 1 From the application's File menu, click Print (or Printer) Setup.
- 2 In the Printer Setup dialog box, click the Properties, Options, or Setup button (depending on the application).
The Lexmark 3200 dialog box appears.
- 3 Click the Advanced tab.
- 4 From the Document Color selection, make sure Natural (Screen Match) is selected.

Problem: DOS print file takes too long to print

What to do:

If you are attempting to print a DOS file by sending it to the port to which the printer is connected, use the DOS Copy command. Avoid using the DOS Print command. The DOS Print command causes printing delays.

Problem: DOS print job does not print

What to do:

Check the following items:

- Make sure the Power light is on.
- Follow the steps for your operating system to make sure the DOS Printing option is selected:

Windows 95, 98, 3.1, or 3.11:

- 1 From the printer's Control Program, click the Options tab.
- 2 Make sure Disable CJ3200 DOS Printing is **not** checked.

Windows NT 4.0:

- 1 Open the printer properties folder:
 - a In the Windows Printer folder, right-click the Lexmark 3200 Color Jetprinter icon.
 - b In the sidebar menu, click Properties.
 - c Choose the Device Settings tab.
- 2 From DOS Printing, click DOS Printing.
- 3 In the Change DOS Printing Setting area, click Enabled.
- 4 Click OK.

- If you send a second DOS print job before the first DOS print job has finished processing, neither job will print. Normally, a job is finished processing when the first page of the job prints.
- Also, make sure the Lexmark 3200 Color Jetprinter is set as your default printer driver.

Problem: Intermittent printing occurs

What to do:

For help, see “Bidirectional communications problems” on page 49.

Problem: Printer pauses frequently during a print job

What to do:

If your printer pauses frequently (every two or three lines) during a print job, and the printed pages have alternating bands of light and dark print, select Enable Buffer Mode* from the Options tab.

- 1 From the printer's Control Program, click the Options tab.
- 2 Make sure the Enable Buffer Mode option is checked.

*Does not apply to Windows NT 4.0.

Problem: Old document prints with different fonts

What to do:

When you print a document formatted for a different printer, Windows may substitute different fonts. Line breaks and page breaks may change also. Use the software application that created the document to fix these problems, then save your changes for the next time you print.

Problem: Parallel cable interface problems occur

What to do:

For help, see “Bidirectional communications problems” on page 49.

Problem: Printer has missing or damaged parts

What to do:

If your printer has missing or damaged parts, contact your point of purchase.

Problem: Printer is plugged in but nothing prints

What to do:

- Make sure the Power light is on.
- Make sure the printer has paper.
- Make sure the printer parallel cable is completely plugged into the printer.
- Make sure the printer is not being held or paused. To check the printer status, follow the steps for your operating system:

Windows 95, 98, and NT 4.0:

- 1 From the Printers folder, double-click the Lexmark 3200 Color Jetprinter icon.
- 2 Click the Printer menu and make sure no check mark appears next to the Pause Printing option.

Windows 3.1 or 3.11:

- 1 Open the Spool Manager.
- 2 Click the Queue menu and make sure no check mark appears next to the Hold option.

- Print a printer test page. If the test page prints, the printer is functioning properly. Check your application.
- If you are trying to print from a DOS-based application, the problem could be with your DOS settings. Check your DOS printer port settings, driver, and your application settings.

Problem: Printer prints very slowly

What to do:

- Decrease the print quality.
- If you are printing a text document, make sure you are using a Black print cartridge and not a Photo cartridge.
- If you are printing a text-only document, change the Halftone method from Air Brush to Fine Dither Pattern or Line Art Pattern (Windows 95, 98, 3.1, or 3.11) or Matrix or None (Windows NT 4.0). The Air Brush setting improves the appearance of graphics but slows the print time.
- Consider purchasing more memory for your personal computer.
- Check the document you are printing. If you are using several graphics, it may take longer to print than regular text.

Problem: Printer seems to be printing but no characters appear

What to do:

- Make sure you removed the tape before you installed the cartridges.
- Make sure the print cartridges are properly installed in the printer. For help, see “Installing or replacing print cartridges” on page 34.

Problem: Test page does not print

What to do:


- Make sure the Power light is on.
- Make sure the parallel cable is properly connected to the computer and printer. For help, refer to the *Getting Started* booklet.
- Make sure paper is loaded in the printer correctly. For help, see “Printing on plain paper” on page 13.
- Make sure print cartridges are installed correctly. For help, see “Installing or replacing print cartridges” on page 34.

If these suggestions do not solve the problem, your printer may need service. Refer to your printer registration card or warranty/service information for the appropriate telephone number for your country.

Paper feed problems

Problem: Paper fails to feed


What to do:

- 1 Align the paper against the right side of the sheet feeder.
- 2 Slide the media guide against the edge of the paper.
- 3 Set the media selector to the correct position on the printer. For help, see “(D) Media selector” on page 3.
- 4 Raise the front cover.
- 5 Remove any obstructions inside the printer.
- 6 Close the front cover.
- 7 Press the Paper Feed button .

Problem: Paper feeds multiple sheets at a time**What to do:**

- Make sure the paper is aligned against the right side of the sheet feeder.
- Make sure the media guide is against the edge of the paper.
- Make sure the media selector is set to the correct position on the printer. For help, see “(D) Media selector” on page 3.

Problem: Paper jams**What to do:**

- 1 Press the power button  to turn the printer off.
- 2 Pull firmly on the paper to remove it. If you cannot reach the paper because it is too far into the printer, raise the front cover and pull the paper out from the front of the printer.
- 3 Close the front cover.
- 4 Make sure the media selector is set to the correct position on the printer. For help, see “(D) Media selector” on page 3.
- 5 Resend your print job. Start with the page on which the paper jam occurred.

Problem: Transparencies or glossy/photo papers stick together**What to do:**

- Use a transparency or glossy/photo paper designed for an inkjet printer. For ordering information, see “Ordering supplies” on page 61.
- Remove each transparency or glossy/photo paper as it exits from the printer.
- Load transparencies one at a time.

Poor print quality

Problem: Black text is not sharp**What to do:**

- In Windows 95, 98, 3.1, or 3.11, make sure Black Only is selected on the Color/Quality tab.
- In Windows NT 4.0, make sure a Black print cartridge is installed and not a Photo print cartridge.
- Select a higher print quality.

Problem: Characters are not aligned correctly at left margin**What to do:**

- Make sure you do not have hard-coded (extra) spaces at the left margin.
- Align the print cartridges. For help, see “Aligning print cartridges” on page 40.
- Clean the print cartridge nozzles. For help, see “Cleaning print nozzles” on page 42.

Problem: Characters contain white lines**What to do:**

- A print cartridge may be out of ink or low on ink. If the Ink Low message has appeared, install a new print cartridge. For help, see “Installing or replacing print cartridges” on page 34.
- To view the ink level, check the ink level graphic shown on the Cartridges tab or the Status tab of the Control Program. For help, see “Using the Control Program” on page 8.
- Remove and reinstall one of the print cartridges. For help, see “Installing or replacing print cartridges” on page 34.

- Clean the print cartridge nozzles. For help, see “Cleaning print nozzles” on page 42.
- If you are printing transparencies, try changing the fill pattern in your application software.

Problem: General print quality problems occur

What to do:

- For normal text printing, make sure you have a black print cartridge installed instead of a photo cartridge.
- Check to make sure you are using the right print quality and speed for the type of job you are printing.
- A print cartridge may be out of ink or low on ink. If the Ink Low message has appeared, install a new print cartridge. For help, see “Installing or replacing print cartridges” on page 34.

To view the ink level, check the ink level graphic. For help, see “Using the printer software” on page 7.

- Change the Print Quality setting to something other than Quick Print 600.
- Clean the print cartridge nozzles. For help, see “Cleaning print nozzles” on page 42.
- Make sure the print cartridges are installed correctly. For help, see “Installing or replacing print cartridges” on page 34.
- Make sure you are using the correct type of paper.
- Adjust the Brightness and Contrast.

Problem: Poor print quality at left, right, or bottom edge of envelope

What to do:

Like other printers, your printer cannot print in the extreme left, right, or bottom edges of an envelope. To avoid poor print quality at the edges of the envelope, we recommend using these minimum margin settings:

Left and right margin settings must be at least 6.35 mm (0.25 in.) each for all envelope sizes.

The **top margin** must be set to at least 1.7 mm (0.067 in.).

The **bottom margin** setting for all envelope sizes must be 12.7 mm (0.5 in.).

Problem: Poor print quality occurs at left, right, or bottom edge of page

What to do:

Like other printers, your printer cannot print in the extreme left, right, or bottom edges of a page. To avoid poor print quality at the edges of the page, we recommend using these minimum margin settings:

Left and right margin settings must be at least 6.35 mm (0.25 in.) each for all paper sizes except A4.

For A4 size paper, **left and right margin settings** must be at least 3.37 mm (0.133 in.) each.

The **top margin** must be set to at least 1.7 mm (0.067 in.).

The **bottom margin** setting for all paper sizes must be 12.7 mm (0.5 in.) for monochrome printing and 19.5 mm (0.75 in.) for color printing.

Problem: Printed pages have alternating bands of light and dark print

What to do:

For help, see “Printer pauses frequently during a print job” on page 53.

Problem: Printer prints improperly formed or misaligned characters

What to do:

Clean the print cartridge nozzles. For help, see “Cleaning print nozzles” on page 42. Align the print cartridges. For help, see “Aligning print cartridges” on page 40.

Problem: Printer prints unexpected or missing characters

What to do:

Make sure you have your Lexmark Color Jetprinter's printer driver selected as the default printer.

Your printer may have bidirectional communications problems. For help, see “Bidirectional communications problems” on page 49.

Problem: Print is too dark or smudged

What to do:

- Increase the Brightness setting.
- Make sure the Paper Type setting in the printer software matches the Paper type loaded in the printer.
- Make sure the paper is straight and unwrinkled.
- Let the ink dry before handling the paper.
- Clean the print cartridge nozzles. For help, see “Cleaning print nozzles” on page 42.

Problem: Print smears on the page

What to do:

- If print smears as the printer prints the page:
 - a Open the Printer Properties.
 - b On the Color Quality tab, make sure Dry Time Delay is checked.
- If the page is smeared by the next page exiting the printer, the ink may still be damp when a page finishes printing. Remove the pages as they exit the printer and allow them to dry before stacking.

Problem: Solid black areas on transparencies contain white streaks

What to do:

Try using a different fill pattern in your application software.

Printer software problems

Problem: Portions of Control Program grayed out

What to do:

If the ink level indicators of the Cartridges tab are grayed out, and printer error messages and job progress information do not appear on the computer screen, see “Bidirectional communications problems” on page 49.

Problem: Printer software settings are not in effect**What to do:**

If the printer settings you choose in the printer software are not in effect, check the settings in the software application you are using.

Printer settings in your application may override settings in the printer software. Make all printer setting changes in your application if possible. Use the printer driver to change a setting only if your application does not have that setting.

Problem: Sound/voice not on**What to do:**

- 1 From the printer's Control Program, click the Options tab.
- 2 Make sure Sound Effects Enabled is checked.

Problem: Sound/voice will not turn off**What to do:**

- 1 From the printer's Control Program, click the Options tab.
- 2 Make sure Sound Effects Enabled is **not** checked.

Installing the printer software

Appendix A

If your computer has a CD-ROM drive, follow the steps in the *Getting Started* booklet to install your printer software.

Follow the steps below to install the printer software.

Installing from diskette

Follow the instructions below to install the printer software.

Windows 95 or 98

- 1 Start Windows.
- 2 Insert Setup Disk 1 into your disk drive.
- 3 From the **Start** menu, choose **Settings**, then choose **Printers**.
- 4 From the Printers folder, double-click **Add Printer**.
- 5 Click **Next>** until you are prompted by a screen listing printer manufacturers and models.
- 6 Click **Have Disk**.
The Install From Disk dialog box appears.
- 7 In the "Install From Disk" dialog box, type the letter of your disk drive (for example, **a:**), and then click **OK**.
- 8 Click **Next>**.
- 9 Select the port you want to use with this printer (for example, **LPT1**) and then click **Next>**.
- 10 If you have other printers installed, click **Yes** to use the Lexmark 3200 as the default Windows printer.

- 11 Click **Finish**.
- 12 When prompted by the printer software, insert the appropriate disks into your disk drive and click **OK**.
- 13 When the Software License Agreement appears, read it and click **Yes** to continue installing the printer software.

Windows 3.1 or 3.11

- 1 Start Windows.
- 2 Insert Setup Disk 1 into your disk drive.
- 3 From the Windows Program Manager menu bar, choose **File**, and then choose **Run**.
- 4 In the command-line text box, type the letter of your disk drive, followed by **setup** (for example, **a:setup**), and then click **OK**.
- 5 When prompted by the printer software, insert the appropriate disks into your disk drive and click **OK**.
- 6 Follow the instructions on the screen.

Windows NT 4.0

- 1 Start Windows.
- 2 Insert Setup Disk 1 into your disk drive.
- 3 From the **Start** menu, choose **Run**.
- 4 In the command-line text box, type the letter of your disk drive, followed by **setup** (for example, **a:setup**), then click **OK**.
- 5 When prompted by the printer software, insert the appropriate disks into your disk drive and click **OK**.
- 6 Follow the directions on your screen.

Ordering supplies

Appendix B

To order Lexmark supplies, either contact your point of purchase or any Lexmark Authorized Supplies Dealer.

You may also order supplies from Lexmark over the telephone. Check your printer registration card for the appropriate telephone number for your country.

Print cartridges

To order print cartridges from Lexmark, use these part numbers:

Cartridge type	Part number
Black	12A1970
Color	12A1980
Photo	12A1990

Print cartridge storage unit

To order a print cartridge storage unit from Lexmark, use part number 17B0099.

Parallel cable

To order an IEEE 1284-compatible parallel cable, use Lexmark part number 1329605.

Coated paper

For the best color and black and white printing results, use a coated paper such as Lexmark's High Resolution Premium Inkjet paper. To order Inkjet Coated paper from Lexmark, use these part numbers:

Size	Number of sheets	Part number
Letter	100	1402780
A4	100	1402781

Photo paper

To order Inkjet Photo paper from Lexmark, use these part numbers:

Size	Number of sheets	Part number
Letter	20	1372481
A4	20	1372208

Glossy film

To print on glossy film, use Lexmark Inkjet Glossy film. To order glossy film from Lexmark, use these part numbers:

Size	Number of sheets	Part number
Letter	10	1402795
Letter	50	1402750
A4	10	1402796
A4	50	1372361

Transparencies

To print on transparencies, use Lexmark Inkjet Transparencies. To order these transparencies from Lexmark, use these part numbers:

Size	Number of sheets	Part number
Letter	20	1402797
A4	20	1402798

Greeting cards with envelopes

Each greeting card comes with an envelope. To order Inkjet Greeting cards from Lexmark, use these part numbers:

Size	Number of sheets	Part number
Letter	20	1372482
A4	20	70X7254

Labels

To order Inkjet labels from Lexmark, use these part numbers:

Sheet size	Label size	Labels/ sheet	Part number
20 sheets of Letter	1 x 2-5/8 in.	30	70X7250
20 sheets of Letter	2 x 4 in.	10	70X7251
20 sheets of A4	63.5 x 38.1 mm	21	70X7252
20 sheets of A4	99.1 x 67.7 mm	8	70X7253

Iron-on transfers for T-shirts

To create colorful, custom-designed T-shirts, use Lexmark Inkjet Iron-on transfers. To order Inkjet Iron-on transfers from Lexmark, use these part numbers:

Size	Number of sheets	Part number
Letter	10	1372480
A4	10	1402519

Printing from Windows NT 4.0

Appendix C

Using the Status Window



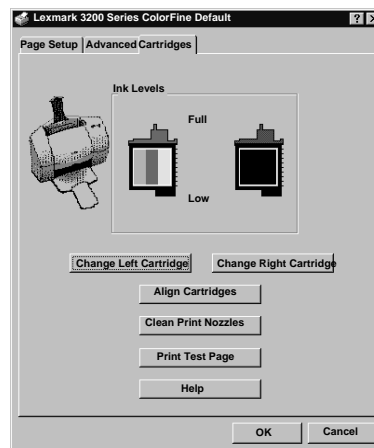
The Status Window appears (or runs minimized) each time you send a print job. Use the Status Window when you want to:

- Cancel a print job
- Enable Status Window options
- Monitor print jobs and print cartridge ink levels
- View the job progress

Opening the Status Window

- 1 From the Start menu, click **Programs**.
- 2 Click the Lexmark 3200 program group.
- 3 Click **Status Window**.

Using the Document Defaults window



Use the Document Defaults when you want to:

- Adjust the quality of print jobs
- Align print cartridges
- Change document color settings
- Change Printer Properties
- Choose different sizes and types of media
- Choose page orientation
- Clean print nozzles
- Install or replace print cartridges
- Monitor print cartridge ink levels
- Print a test page

Opening the Document Defaults window from your application

You can open the Document Defaults from almost any application. This allows you to change printer settings for each document you print. To open the Document Defaults:

- 1 Open the application's File menu.
- 2 Choose **Print** (or **Printer**) **Setup**.
- 3 In the Printer Setup dialog box, click the **Properties**, **Options**, or **Setup** button (depending on the application).
- 4 Change settings as needed.

Opening the Document Defaults window

When you open the Document Defaults window, the settings apply to all print jobs, unless you change them from the application.

To open the Document Defaults:

- 1 From the Start menu, click **Settings**.
- 2 Click **Printers**.
- 3 Right-click the Lexmark 3200 printer icon.
- 4 A sidebar menu appears.
- 5 Click **Document Defaults**.

Learning more about your printer software

To learn more about the printer setting options, click the **Help** button at the bottom of each tab in the printer software.

Printing from DOS

Appendix D

You must install the following before you can print from DOS applications:

- Lexmark 3200 printer software
- PCL 3 printer driver for each DOS application

Appropriate drivers in order of preference are:

- HP DeskJet 500C
- HP DeskJet 500

You must use the HP DeskJet 500C for color output. If your application does not include drivers for the HP DeskJet 500C or the HP DeskJet 500, contact the software manufacturer for a compatible driver replacement.

Printing from a DOS application in Windows

Use these instructions only if your application runs from the DOS prompt in Windows.

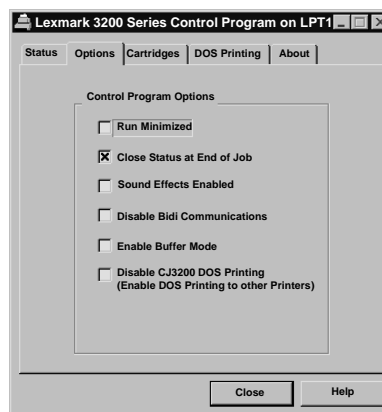
When you print from a DOS application, your printer uses PCL 3 emulation. You must install a printer driver for PCL 3 emulation in each DOS application.

In Windows 3.1 or 3.11, avoid switching from your DOS application to another application while your job is printing. See the Readme file for your Lexmark printer for more information.

- 1 Follow the steps for your operating system to enable DOS printing:

Windows 95, 98, 3.1, or 3.11

- a Make sure you are in Windows, not native DOS.
- b From the Control Program, click the **Options** tab.



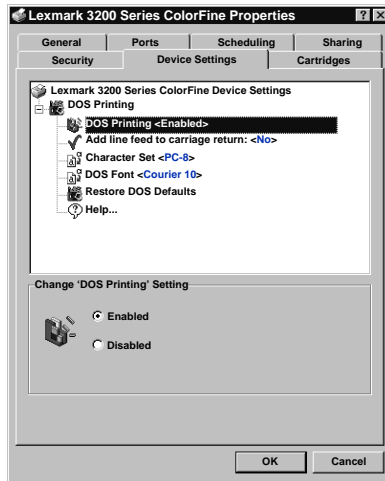
For help opening the Control Program, see “Using the Control Program” on page 8.

- c Make sure **Disable CJ3200 DOS Printing (Enable DOS Printing to other Printers)** is **not** checked.

Note: To print to non-Lexmark printers, you must reselect this option.

Windows NT 4.0

- a From the Start menu, click **Settings**.
- b Click **Printers**.
- c Right-click the **Lexmark 3200** printer icon.
A sidebar menu appears.
- d Click **Properties**.
- e Click the **Device Settings** tab.



- f Make sure DOS Printing is enabled.

Note: To print to non-Lexmark printers, you must disable this option.

- g Click **OK**.
- 2 Start your application from DOS.
For help, see your Windows documentation.
- 3 Install the HP DeskJet 500C as the current printer in the DOS application from which you are printing.

Some applications offer a color or black (mono) version of the HP DeskJet 500C driver. Choose the black (mono) version if

you are printing in black only. Choose the color version if you are printing in color and black.

If your application does not offer the HP DeskJet 500C printer driver, install the HP DeskJet 500 printer driver. You will not be able to print in color with the HP DeskJet 500 printer driver.

For help installing a printer, see your application user's documentation.

You can use the printer driver for your Lexmark 3200 Color Jetprinter to change printer settings that are not in your application. For help, see “Changing print settings for DOS applications.”

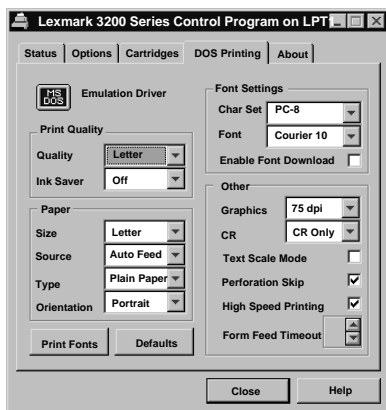
- 4 Print as you normally would from your application.

Changing print settings for DOS applications

If possible, use options in your DOS application to change printer settings. Use the following steps only if you want to change a printer setting that does not exist in your DOS application. Settings in your DOS application override settings in the driver.

Windows 95, 98, 3.1, or 3.11

- 1 From the Control Program, click the **DOS Printing** tab.



For help opening the Control Program, see “Using the Control Program” on page 8.

- 2 Change settings as needed.

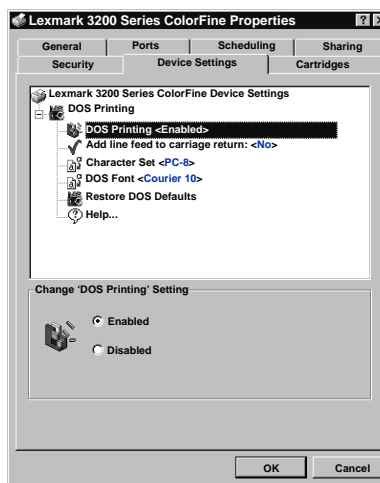
Windows NT 4.0

- 1 From the Start menu, click **Settings**.
- 2 Click **Printers**.
- 3 Right-click the **Lexmark 3200** printer icon.

A sidebar menu appears.

- 4 Click **Properties**.

- 5 Click the **Device Settings** tab.



- 6 Change settings as needed.
- 7 Click **OK** to save the settings.

Note: When you make changes on the DOS Printing tab or Device Settings tab, they apply to DOS print jobs only. When you make changes on other tabs, they apply to all print jobs.

Printing to a file

To print a document that has been processed by the driver and stored in a file (that is, printed to file):

- 1 Make sure you are in Windows, not native DOS.
- 2 Start your application from DOS.
- 3 For help, see your Windows documentation.
- 4 Create a print file using the “Print to File” function of your application. For help on printing to a file, see your application user's documentation.

- 5 Use this DOS command to copy the print file to the port where the printer is connected:

copy filename lptn /b

In the command example:

- **copy** is the DOS copy command.
- **filename** is the name of the print file you created.
- **lptn** is the port where your printer is connected. For example, lpt1 or lpt2.
- **/b** instructs the computer to send the data in binary form.

Note: Avoid using the DOS **Print** command to send a job to the printer port. The Print command causes printing delays.

Printing from non-Windows DOS applications

Follow these steps if your application runs from the native DOS prompt, but does not run from the DOS prompt in Windows.

Note: This section does not apply to Windows NT 4.0 users.

- 1 From the printer's Control Program, click the **Options** tab.
For help opening the Control Program, see "Using the Control Program" on page 8.
- 2 Make sure **Disable CJ3200 DOS Printing (Enable DOS Printing to other Printers)** is **not** checked.
- 3 Exit Windows.
- 4 Start your DOS application.
- 5 Install the HP DeskJet 500C as the current printer in the DOS application from which you are printing.

Some applications offer a color or black (mono) version of the HP DeskJet 500C driver. Choose the black (mono) version if you are printing in black only. Choose the color version if you are printing in color and black.

If your application does not offer the HP DeskJet 500C printer driver, install the HP DeskJet 500 printer driver. You will not be able to print in color with the HP DeskJet 500 printer driver.

For help installing a printer, see your application user's documentation.

- 6 Create a print file using the "Print To File" function of your application. For help on printing to a file, see your application user's documentation.
- 7 Exit the DOS application.
- 8 Start Windows.
- 9 Double-click the MS-DOS icon in the Main group of Windows.
- 10 Use this DOS command to copy the print file to the port where the printer is connected:

copy filename lptn /b

In the command example:

- **copy** is the DOS copy command.
- **filename** is the name of the print file you created.
- **lptn** is the port where your printer is connected. For example, lpt1 or lpt2.
- **/b** instructs the computer to send the data in binary form.

Note: Avoid using the DOS **Print** command to send a job to the printer port. The Print command causes printing delays and may corrupt the print job.

Notices and safety information

Appendix E

Electronic emission notices

Federal Communications Commission (FCC) Compliance Information Statement

The Lexmark 3200 Color Jetprinter has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult your point of purchase or service representative for additional suggestions.

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

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

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

Director of Lab Operations
Lexmark International, Inc.
740 New Circle Road NW
Lexington, KY 40550
(606) 232-3000

Industry Canada Compliance Statement

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

Avis de conformité aux normes d'Industrie Canada

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

European Community (EC) directives conformity

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

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

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


Japanese VCCI notice

この装置は、情報処理装置等電波障害自主規制協議会（VCCI）の基準に基づくクラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。
取扱説明書に従って正しい取り扱いをして下さい。


The United Kingdom Telecommunications Act 1984

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


Safety information

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


Consignes de sécurité

- Si le symbole  n'apparaît PAS sur votre produit, ce dernier DOIT être branché sur une prise de courant mise à la terre.
- Le câble d'alimentation doit être connecté à une prise de courant placée près du produit et facilement accessible.
- L'entretien et les réparations autres que ceux décrits dans les instructions d'emploi doivent être effectués par le personnel de maintenance qualifié.
- Ce produit a été conçu, testé et approuvé pour respecter les normes strictes de sécurité globale lors de l'utilisation de composants Lexmark spécifiques. Les caractéristiques de sécurité de certains éléments ne sont pas toujours évidentes. Lexmark ne peut être tenu responsable de l'utilisation d'autres pièces de rechange.

Norme di sicurezza


- Se il prodotto NON è contrassegnato con questo simbolo , DEVE essere collegato lo stesso ad una presa elettrica con messa a terra.
- Il cavo di alimentazione deve essere collegato ad una presa elettrica posta nelle vicinanze del prodotto e facilmente raggiungibile.
- Per la manutenzione o le riparazioni, escluse quelle descritte nelle istruzioni operative, consultare il personale di assistenza autorizzato.
- Il prodotto è stato progettato, testato e approvato in conformità a severi standard di sicurezza e per l'utilizzo con componenti Lexmark specifici. Le caratteristiche di sicurezza di alcune parti non sempre sono di immediata comprensione. Lexmark non è responsabile per l'utilizzo di parti di ricambio di altri produttori.

Sicherheitshinweise


- Falls der Drucker nicht mit diesem Symbol  markiert ist, muß er an eine ordnungsgemäß geerdete Steckdose angeschlossen werden.
- Das Netzkabel muß an eine Steckdose angeschlossen werden, die sich in der Nähe des Geräts befindet und leicht zugänglich ist.
- Wartungsarbeiten und Reparaturen, mit Ausnahme der in der Betriebsanleitung näher beschriebenen, sollten Fachleuten überlassen werden.
- Dieses Produkt und die zugehörigen Komponenten wurden entworfen und getestet, um beim Einsatz die weltweit gültigen Sicherheitsanforderungen zu erfüllen. Die sicherheitsrelevanten Funktionen der Bauteile und Optionen sind nicht immer offensichtlich. Sofern Teile eingesetzt werden, die

nicht von Lexmark sind, wird von Lexmark keinerlei Verantwortung oder Haftung für dieses Produkt übernommen.


Pautas de seguridad

- Si su producto NO tiene este símbolo, , es IMPRESCINDIBLE conectarlo a una toma de corriente eléctrica con toma de tierra correcta.
- El cable de alimentación deberá conectarse a una toma de corriente situada cerca del producto y de fácil acceso.
- Cualquier servicio o reparación deberá realizarse por parte del personal cualificado, a menos que se trate de las averías descritas en las instrucciones de utilización.
- Este producto se ha diseñado, verificado y aprobado para cumplir los más estrictos estándares de seguridad global usando los componentes específicos de Lexmark. Puede que las características de seguridad de algunas piezas no sean siempre evidentes. Lexmark no se hace responsable del uso de otras piezas de recambio.


Veiligheidsvoorschriften

- Zorg ervoor dat uw product is aangesloten op een geaard stopcontact als het product NIET is gemarkeerd met het symbool .
- Het netsnoer moet worden aangesloten op een gemakkelijk bereikbaar stopcontact in de buurt van het product.
- Neem contact op met een professionele onderhoudstechnicus voor onderhoud en reparaties die niet in de bij het product geleverde instructies beschreven worden.
- Dit product is ontworpen, getest en goedgekeurd om te voldoen aan strenge internationale veiligheidsvoorschriften. De veiligheidsvoorzieningen van bepaalde onderdelen zullen niet altijd duidelijk zichtbaar zijn. Lexmark is niet verantwoordelijk voor het gebruik van andere vervangende onderdelen.


Sikkerhedsoplysninger

- Hvis dit produkt IKKE er markeret med dette symbol , SKAL det sluttes til en stikkontakt med jordforbindelse.
- Ledningen skal sluttes til en stikkontakt, der er tæt på produktet og som er let tilgængelig.
- Service og reparationer, som ikke er beskrevet i brugsanvisningen, skal udføres af en kvalificeret tekniker.
- Dette produkt er udviklet, testet og godkendt i overensstemmelse med Lexmarks verdensomspændende standarder for sikkerhed. Delenes sikkerhedsfunktioner kan være skjulte. Lexmark påtager sig intet ansvar for brugen af uoriginale reservedele.


Sikkerhetsinformasjon

- Hvis produktet ditt ikke er merket med dette symbolet, , må det bare kobles til en stikkontakt som er jordet.
- Ledningen må være koblet til en stikkontakt nær produktet. Stikkontakten må være lett tilgjengelig.
- La bare kvalifisert personale ta seg av service og reparasjon som ikke er direkte beskrevet i bruksanvisningen.
- Dette produktet er utviklet, testet og godkjent i overensstemmelse med strenge verdensomspennende sikkerhetsstandarder for bestemte Lexmark-deler. Delenes sikkerhetsfunksjoner kan være skjulte. Lexmark er ikke ansvarlig for bruk av uoriginale reservedeler.


Säkerhetsanvisningar

- Om produkten INTE är märkt med denna symbol , MÅSTE den anslutas till ett jordat vägguttag.
- Nätkabeln måste anslutas till ett lättåtkomligt vägguttag i närheten av maskinen.
- Låt endast utbildad servicepersonal utföra sådan service och sådana reparationer som inte beskrivs i handledningen.
- Denna produkt är utformad, testad och godkänd för att uppfylla internationella säkerhetsbestämmelser när den används tillsammans med andra Lexmark-produkter. Säkerhetsegenskaperna för vissa delar är inte helt uppenbara. Lexmark fransäger sig ansvaret om delar av ett annat fabrikat används.


Informació de seguretat

- Si el vostre producte NO està marcat amb el símbol , S'HURÀ de connectar a una presa elèctrica de terra.
- El cable de potència s'haurà de connectar a una presa de corrent propera al producte i fàcilment accessible.
- Si heu de fer una reparació que no figuri entre les descrites a les instruccions de funcionament, confieu-la a un professional.
- Aquest producte està dissenyat, comprovat i aprovat per tal d'acomplir les estrictes normes de seguretat globals amb la utilització de components específics de Lexmark. Les característiques de seguretat d'algunes peces pot ser que no sempre siguin òbvies. Lexmark no es responsabilitza de l'us d'altres peces de recanvi.


Turvaohjeet

- Jos tuotteessa ei ole tätä tunnusta, , sen saa kytkeä vain maadoitettuun pistorasiaan.
- Tuotteen verkkojohto on kytkettävä sitä lähellä olevaan pistorasiaan. Varmista, että kulku pistorasian luo on esteetön.
- Muut kuin käyttöohjeissa mainitut huolto- tai korjaustoimet on jätettävä huoltoedustajalle.
- Tämä tuote on testattu ja hyväksytty. Se täyttää korkeat maailmanlaajuiset turvallisuusvaatimukset, kun siinä käytetään tietyttä Lexmarkin valmistusosia. Joidenkin osien turvallisuusominaisuudet eivät aina ole itsestään selviä. Lexmark ei vastaa muiden kuin alkuperäisten osien käytöstä.


Informações de segurança

- Se o produto NÃO estiver marcado com este símbolo, , é necessário ligá-lo a uma tomada com ligação à terra.
- O cabo deve ser ligado a uma tomada localizada perto do produto e facilmente acessível.
- Para todos os serviços ou reparações não referidos nas instruções de operação, deve contactar um técnico dos serviços de assistência.
- Este produto foi concebido, testado e aprovado para satisfazer os padrões globais de segurança na utilização de componentes específicos da Lexmark. As funções de segurança de alguns dos componentes podem não ser sempre óbvias. A Lexmark não é responsável pela utilização de outros componentes de substituição.

Informações de segurança

- Se o produto NÃO estiver marcado com este símbolo, , ele DEVE SER conectado a uma tomada elétrica com ligação à terra.
- O cabo de alimentação deve ser conectado a uma tomada elétrica localizada perto do produto e de fácil acesso.
- Para todos os serviços ou reparações não descritos nas instruções de operação, entre em contato com um técnico dos serviços de assistência.
- Este produto está projetado, testado e aprovado para satisfazer os padrões globais de segurança para uso de componentes específicos da Lexmark. Os recursos de segurança de alguns componentes podem não ser sempre óbvios. A Lexmark não é responsável pelo uso de outros componentes de substituição.

Przepisy bezpieczeństwa


Jeżeli produkt NIE jest oznaczony symbolem , może być podłączony TYLKO do prawidłowo uziemionego gniazda elektrycznego.

Kabel zasilający musi być podłączony do łatwo dostępnego gniazda elektrycznego, znajdującego się w pobliżu urządzenia.


Wszelkie naprawy i czynności serwisowe, oprócz opisanych w instrukcji obsługi, powinny być wykonywane przez autoryzowany serwis.

Produkt został zaprojektowany z wykorzystaniem określonych podzespołów firmy Lexmark i zatwierdzony jako spełniający światowe standardy bezpieczeństwa. Pozostałe podzespoły mogą nie spełniać tych warunków. Firma Lexmark nie ponosi odpowiedzialności za skutki używania innych części zamiennych.


Информация по технике безопасности

- Если приобретенное Вами изделие НЕ имеет маркировку , то его НЕОБХОДИМО подключать к надежно заземленной розетке.
- Кабель питания следует подключать к легкодоступной электрической розетке, расположенной вблизи от места установки изделия.
- Операции по обслуживанию и ремонту, за исключением описанных в настоящем Руководстве, должны выполняться специально обученным персоналом.
- Данное изделие спроектировано, испытано и прошло аттестацию на соответствии жестким глобальным стандартам безопасности в расчете на использование определенных частей производства фирмы Lexmark. Влияние отдельных деталей на безопасность не всегда очевидно. Фирма Lexmark не несет ответственности за использование запасных частей, отличных от рекомендованных.


Güvenlik Bilgisi

- Ürünüde  simgesi YOKSA, ürün doğru biçimde topraklanmış bir elektrik prizine TAKILMALIDIR.
- Güç kablosu, ürünün yakınında ve kolay ulaşılabilir bir elektrik prizine takılmalıdır.
- İşletim yönergelerinde açıklananlar dışında servis veya onarım için yetkili servis personeline başvurun.
- Bu ürün, özel Lexmark bileşenlerinin kullanımı konusundaki genel güvenlik standartlarına uyacak biçimde tasarlanmış, denenmiş ve onaylanmıştır. Bazı parçaların güvenlik özellikleri her zaman kesin olmaz. Lexmark, başka yedek parçaların kullanımından sorumluluk taşımaz.


安全のためのご案内

- ご使用の製品にこの  記号がついていない場合は、正しく接地（アース）してある電源コンセントに接続する必要があります。
- 電源コンセントは、接続の邪魔となるような物がない近くの電源コンセントに接続してください。
- 整備・修理が必要な場合、使用説明書にその旨の記載がある場合を除いて、専門の技術者にご連絡ください。
- 当製品は、特定の Lexmark 部品に関するきびしい包括的安全基準に適合するように、設計、試験され、承認されています。部品には、安全機能が必ずしも明白でないものもあります。Lexmark は、他の交換部品の使用は保証できません。

安全资讯

- 如果您的产品没有  符号，所接的电源插座一定要有适当的接地处理。
- 电线接续的插座与产品的距离不可太远，并且要合乎使用方便的原则。
- 有关维护或修理方面的细节，除了参考操作说明以外，还可联络专业服务人员。
- 本产品使用特有的 Lexmark 元件，并依照严格的世界安全标准来设计、测试及验证。有些零件的安全功能可能不明显。對於其他厂牌更换零件的使用，Lexmark 概不负责。

안전 사항

- 제품에  심볼이 표시되어 있지 않은 경우 제품을 적절히 접지되어 있는 전기 콘센트에 연결하여야 합니다.
- 전원 코드는 제품 가까이에 있고 쉽게 접근할 수 있는 콘센트에 연결하십시오.
- 운영 지침서에 기술되어 있지 않은 서비스나 수리는 전문 서비스 기술자에게 의뢰하십시오.
- 본 제품은 특정 Lexmark 구성 요소의 사용에 있어 엄격한 세계 안전 표준에 맞도록 설계, 테스트되었으며 승인받았습니다. 일부 부품의 안전성은 항상 보장되지 않습니다. Lexmark는 다른 교체 부품의 사용에 대한 책임을 지지 않습니다.

Statement of limited warranty

Appendix F

Lexmark International, Inc. Lexington, KY

This warranty applies to the United States and Canada. For customers outside the U.S. and Canada, refer to the country-specific warranty information that came with your printer.

Lexmark 3200 Color Jetprinter

This Statement of Limited Warranty applies to this product if it was originally purchased for your use, and not for resale, from Lexmark or a Lexmark remarketer, referred to in this statement as “Remarketer.”

Warranty

Lexmark warrants that this product:

- Is manufactured from new parts, or new and serviceable used parts, which perform like new parts,
- Is free from defects in material and workmanship,
- Conforms to Lexmark’s official published specifications, and
- Is in good working order.

If this product does not function as warranted during the warranty period, contact a Remarketer or Lexmark for repair without charge.

If this product is a feature or option, this statement applies only when that feature or option is used with the product for which it was designed. To obtain warranty service, you may be required to present the feature or option with the product.

If you transfer this product to another user, warranty service under the terms of this statement is available to that user for the remainder of the warranty period. You should transfer proof of original purchase and this statement to that user.

Warranty service

The warranty period is 12 months and starts on the date of original purchase as shown on the purchase receipt.

To obtain warranty service you may be required to present proof of original purchase. Warranty service will be provided at a Remarketer or a Lexmark designated location. You may be required to deliver your product to the Remarketer or Lexmark, or ship it prepaid and suitably packaged to a Lexmark designated location. You are responsible for loss of, or damage to, a product in transit to the Remarketer or the designated location.

When warranty service involves the exchange of a product or part, the item replaced becomes the property of the Remarketer or Lexmark. The replacement may be a new or repaired item. The replacement item assumes the remaining warranty period of the original product.

Replacement is not available to you if the product you present for exchange is defaced, altered, in need of a repair not included in warranty service, or damaged beyond repair. Also, such product must be free of any legal obligation or restrictions that prevent its exchange.

Before you present this product for warranty service, remove all programs, data, and removable storage media.

Extent of warranty

We do not warrant uninterrupted or error-free operation of a product.

Warranty service does not include repair of failures caused by:

- Modification or attachments
- Accidents or misuse
- Unsuitable physical or operating environment
- Maintenance by anyone other than Lexmark or a Lexmark authorized servicer
- Operation of a product beyond the limit of its duty cycle
- Failure to have installed a maintenance kit as specified (if applicable)
- Use of printing media outside of Lexmark specifications
- Use of other than Lexmark supplies (such as toner cartridges, inkjet cartridges, and ribbons)
- Use of other than Lexmark product or component

ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD. NO WARRANTIES, EXPRESS OR IMPLIED, WILL APPLY AFTER THIS PERIOD.

Limitation of liability

Your sole remedy under this Statement of Limited Warranty is set forth in this section. For any claim concerning performance or nonperformance of Lexmark or a Remarketer for this product under this Statement of Limited Warranty, you may recover actual damages up to the limit set forth in the following paragraph.

Lexmark's liability for actual damages from any cause whatsoever will be limited to the greater of 1) \$5,000 or 2) the amount you paid for the product that caused the damages. This limitation of liability will not apply to claims by you for bodily injury or damage to real property or tangible personal property for which Lexmark is legally liable. In no event will Lexmark be liable for any lost profits, lost savings, incidental damage, or other economic consequential damages.

This is true even if you advise Lexmark or a Remarketer of the possibility of such damages. Lexmark is not liable for any claim by you based on a third party claim.

This limitation of remedies also applies to any developer of materials supplied to Lexmark. Lexmark's and the developer's limitations of remedies are not cumulative. Such developer is an intended beneficiary of this limitation.

For further explanation of your warranty alternatives and the nearest Lexmark authorized servicer in your area, please contact Lexmark at 1-800-LEXMARK (1-800-539-6275), or on the World Wide Web at <http://www.lexmark.com>.

Additional rights

Some states do not allow limitations on how long an implied warranty lasts, or do not allow the exclusion or limitation of incidental or consequential damages. If such laws apply, the limitations or exclusions contained in this statement may not apply to you.

This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

Glossary

Air brush

A halftoning method for superior quality graphics.

CD-ROM

Compact disk drive.

dithering

When images are printed using the dithering selections from the halftoning area, the printer driver uses a matrix of dots to represent the image. You may need to experiment to find the halftone best suitable for a particular picture. In most cases, the Air Brush setting produces the best results.

dpi

Dots-per-inch.

driver

see *printer driver*.

fine dither

A halftone method used for detailed graphics with limited shading.

font

A set of characters of a given size and style.

halftone

An array in which dots are placed to simulate colors and shades of gray.

hard disk drive

A stand-alone hardware unit that offers additional data storage for your computer and can read and store data on diskettes. Also called hard disk or fixed disk drive.

icon

A representation or symbol.

inkjet

A non-impact printing technology that creates characters and graphics by the composition of programmed patterns of ink dots.

interface

A data conversion device that allows communication between the printer and the computer. See also *parallel interface*.

line art

A halftone method used for simple line art and computer graphics.

Matrix

A faster halftoning method used in the Windows NT 4.0 printer software which gives excellent print quality, but takes less time to print.

MB (megabyte)

A unit of measure for storage capacity. One megabyte equals 1,048,576 bytes.

parallel interface

A type of connection that links a printer to a computer, by which all 8 bits of a character are sent at the same time. See also *interface*.

print cartridge

The ink reservoir and printhead unit.

printer driver

A program that translates the language of a software application to the language of the printer so the two can communicate data.

software application

Any program loaded on your computer used to perform a specific task; for example, a word processing or spreadsheet program.

specialty media

This includes greeting cards, iron-on transfers, photo paper, glossy film, transparencies, and index cards.

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**Reader's
Comment
Form**

You may use this form to communicate your comments about this publication, with the understanding that Lexmark may use or distribute whatever information you supply in any way it believes appropriate without incurring any obligation to you.

1. Did you find the book well organized?

Yes No

2. Was the content of the book accurate and complete?

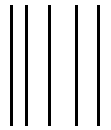
Yes No

3. Was the book easy to use?

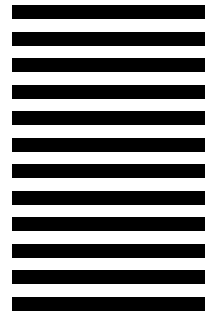
Yes No

4. What can we do to improve the book?

5. What is your job title?



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Tape

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Energy star



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

Companies participating in this program introduce personal computers, printers, monitors, or fax machines that power down when they are not being used. This feature will cut the energy used by up to 50 percent. Lexmark is proud to be a participant in this program.

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