Lexmark *Z51*

Color Jetprinter

User’s Guide for OS/2

First Edition (October 1998)

The following paragraph does not apply to any country where such provisions are inconsistent with local law: LEXMARK INTERNATIONAL, INC. PROVIDES THIS PUBLICATION “AS IS” WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This publication could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in later editions. Improvements or changes in the products or the programs described may be made at any time.

Lexmark, Lexmark with diamond design, and ColorFine are trademarks of Lexmark International, Inc., registered in the United States and/or other countries.

Color Jetprinter is a trademark of Lexmark International, Inc.

OS/2 is a registered trademark of International Business Machines Corporation.

PCL® is a registered trademark of the Hewlett-Packard Company. PCL 3 is Hewlett-Packard Company's designation of a set of printer commands (language) and functions included in its printer products. This printer is intended to be compatible with the PCL 3 language. This means the printer recognizes PCL 3 commands used in various application programs, and that the printer emulates the functions corresponding to the commands.

Other trademarks are the property of their respective owners.

© Copyright Lexmark International, Inc. 1998.
All rights reserved.

UNITED STATES GOVERNMENT RESTRICTED RIGHTS
This software and documentation are provided with RESTRICTED RIGHTS. Use, duplication or disclosure by the Government is subject to restrictions as set forth in subparagraph (c)(1)(ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.227-7013 and in applicable FAR provisions: Lexmark International, Inc., Lexington, KY 40550.

Contents

Chapter 1 - Understanding your printer . . . 1

Using the parts of the printer 2
Using the printer's buttons and lights 5

Chapter 2 - Using the printer software 7

Using the Printer Properties 8
Using the Job Properties 10
Using the print object 15

Chapter 3 - Printing on plain paper 17

Loading paper 17
Checking printer settings 18
Special printer settings 19

Chapter 4 - Printing on specialty media . . 23

Printing transparencies 24
Printing envelopes, index cards, or postcards 25
Printing on customized paper sizes 26
Printing greeting cards 29
Printing iron-on transfers 30
Printing photos 31
Printing specialty media from the manual feeder 35

Chapter 5 - Caring for your printer 37

Installing or replacing print cartridges 38

Improving print quality 41

Appendix 51

Installing the printer software 51

Printing from DOS 51

Warranty 52

Notices. 54

Safety information. 54

Energy Star 56

Index 57

Understanding your printer

Chapter 1

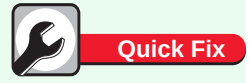
This book describes how to use your printer on an OS/2 operating system.

Your printer is a general purpose color inkjet printer that provides high quality text and graphics.

Inkjet

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

For information about:	See page:
Using the parts of the printer	2
Using the printer's buttons and lights	5
Using the buttons	5
Understanding the lights	6

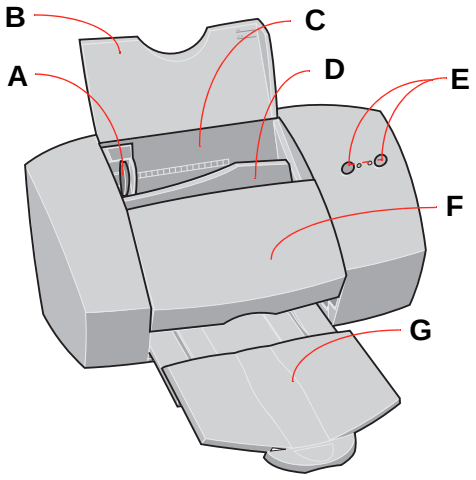


Printer has missing or damaged parts

Contact your point of purchase.

Using the parts of the printer

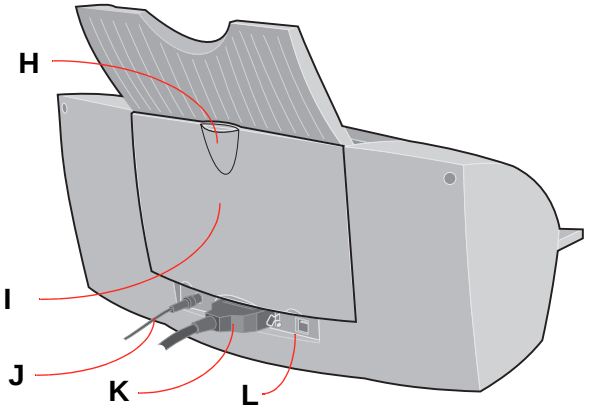
This illustration shows the front parts of the printer.



Use the:	When you want to:
(**A**) Media guide	Align the automatic feeder to the correct paper size.
(**B**) Media support	Keep paper and specialty media straight in the automatic feeder.
(**C**) Automatic feeder	Automatically load paper and specialty media. The automatic feeder holds up to: • 100 sheets of paper • 10 transparencies or glossy film • 25 sheets of photo paper • 25 iron-on transfers • 25 sheets of labels • 10 envelopes, greeting cards, postcards, or index cards

(**D**) Manual feeder	Manually load paper and specialty media one sheet at a time. You can also use the manual feeder when: • You have one type of media already loaded in the automatic feeder, and you want to print one sheet of a different size or type. For example, you may have plain paper loaded in the automatic feeder, but you need to print an envelope or transparency. • Paper feeds incorrectly from the automatic feeder.
(**E**) Buttons and lights	• Check the printer status. • Turn the printer on or off. • Eject paper from the printer. For more information, see “Using the printer’s buttons and lights” on page 5.
(**F**) Front cover	• Install or change print cartridges. • Clear paper jams.
(**G**) Paper exit tray	Stack paper after printing.

The following illustration shows the back parts of the printer.



Use the:	When you want to:
(**H**) Banner paper support (located inside the banner paper holder)	Keep banner paper straight in the banner paper holder (maximum 10 sheets). **Note:** Printing banners is not supported by OS/2 applications.
(**I**) Banner paper holder	Print on banner or continuous form paper. **Note:** Printing banners is not supported by OS/2 applications.
(**J**) Power supply	Supply power to the printer.
(**K**) Parallel cable (not supplied)	Connect the printer to the computer for bidirectional communication.
(**L**) USB port	Connect your USB (Universal Serial Bus) cable (not supplied) to the printer. **Note:** Not supported in OS/2.

Glossary

Interface

A data conversion device, such as the parallel cable, that allows communication between the printer and the computer.

Quick Fix

Parallel cable interface problems occur

For help, see "Bidirectional Communications problems" in the Printer Driver Help. To open the Printer Driver Help, click:

1 File.
2 Print (or Printer) Setup.
3 The Properties, Options, or Setup push button.
4 The Help push button.

Intermittent printing occurs

For help, see "Bidirectional Communications problems" in the Printer Driver Help. To open the Printer Driver Help from your application, click:

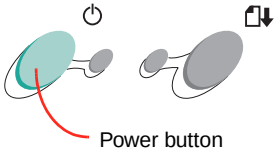
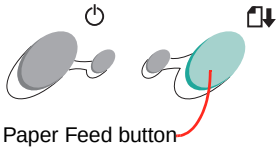
1 File.
2 Print (or Printer) Setup.
3 The Properties, Options, or Setup push button.
4 The Help push button.

Using the printer's buttons and lights

Your printer has two groups of buttons and lights.

Using the buttons

Your printer has a Power button and a Paper Feed button.

Use the:	When you want to:
	Turn the printer on or off.
	• Eject paper from the printer. • Load the automatic or manual sheet feeder with paper after running out. • Continue printing.

Quick Fix

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.

If the printer is out of paper:

1 Load paper.

2 Press the Paper Feed button.

If the printer has a paper jam, remove the paper from the automatic feeder. If the paper is lodged too far into the printer:

1 Raise the front cover.

2 Remove the paper.

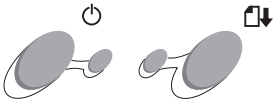
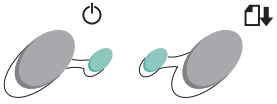
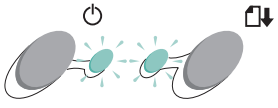
3 Press the Paper Feed button.

For help, see "Paper jams" on page 18.

If the problem persists, you may be using a wrong or damaged cable. For help, see "Bidirectional Communications problems" in the Printer Driver Help.

Understanding the lights

Your printer has a Power light and a Paper Feed light.

If your printer lights look like this:	Then the printer:
 Both lights are **Off**	Is **Off**.
Power light is **On** Paper Feed light is **Off**	Is **On** and ready to print.
 Both lights are **On**	Is printing.
Power light is **On** Paper Feed light is **blinking**	May be out of paper or have a paper jam. For help, see the "Quick Fix" topics on page 4.
 Power light is **blinking** Paper Feed light **blinks twice**	Has an error. For help, see the "Quick Fix" topics on this page.

Quick Fix

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.

If the print cartridge carrier has stalled:

1 Turn the printer off.

2 After waiting a few seconds, 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 jams" on page 18.

Both lights are on, but the printer is not printing

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

1 Disconnect the power supply from the printer.

2 Check all cable connections.

3 Reconnect the power supply to the printer.

Using the printer software

Chapter 2

Software application

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

This chapter describes how to use the printer software on an OS/2 operating system.

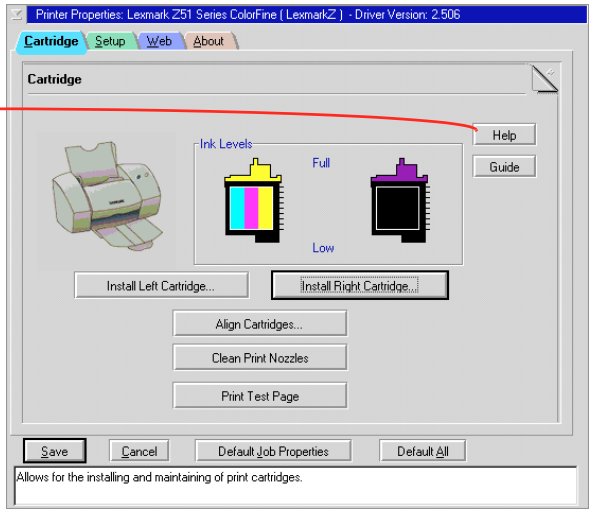
When you installed the software for your printer, several applications were installed on your computer. The printer software applications enable you to perform printing tasks with the best printing results.

For information about using this application:	See page:
Printer Properties	8
Job Properties	10
Print Object	15

Using the Printer Properties

The Printer Properties notebook includes 4 pages: Cartridge, Setup, Web and About. The Cartridge and Setup pages contain settings relating to the operation of your printer and its software.

Click the **Help** push button to learn more about the printer setting options and additional troubleshooting solutions.



Use the Printer Properties of the printer driver when you want to:

- Align print cartridges for best print quality
- Install or replace print cartridges
- Monitor print cartridge ink levels
- Print a test page
- Choose between the Automatic and Manual Feeder
- Choose different sizes and types of media

Glossary

Printer driver

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

Tip

To open the Printer Driver Help, click:

1 File.

2 Print (or Printer) Setup.

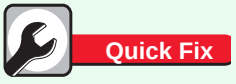
3 The Properties, Options, or Setup push button.

4 The Help push button.

Icon

A representation or symbol.

The print settings in some software applications may override the Printer Properties settings. For example, the paper size you selected in your software application may override the paper size you selected in the Printer Properties.



Printer software settings not in effect:

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.

Changing the Z51Printer Properties

Using OS/2 Version 2.1, 2.11, or OS/2 Warp Version 3.0

1. Right-click the **Printer** icon on your desktop.

   A sidebar menu appears.

2. If you are using:

   - OS/2 Warp Version 3.0, click **Settings**.
   - OS/2 Version 2.1 or 2.11, click **Open**, then click **Settings**.

3. Click the **Printer driver** tab.
4. In the Default printer driver window, double-click the **Lexmark Z51 Series ColorFine Jetprinter** icon.

   The Printer Properties notebook appears.

5. Change settings as needed.

Using OS/2 Warp Version 4.0

1. Double-click the **Connections** icon on your desktop.
2. Double-click **Printers** from the Connections - Tree View window.

   The Printers - Icon View folder appears.

3. From the Printers - Icon View folder, right-click the **Lexmark Z51 Series ColorFine Jetprinter** icon.

   A sidebar menu appears.

4. Select **Properties** from the sidebar menu.
5. Click the **Printer driver** tab.
6. In the Default printer driver window, double-click the **Lexmark Z51 Series ColorFine Jetprinter** icon.

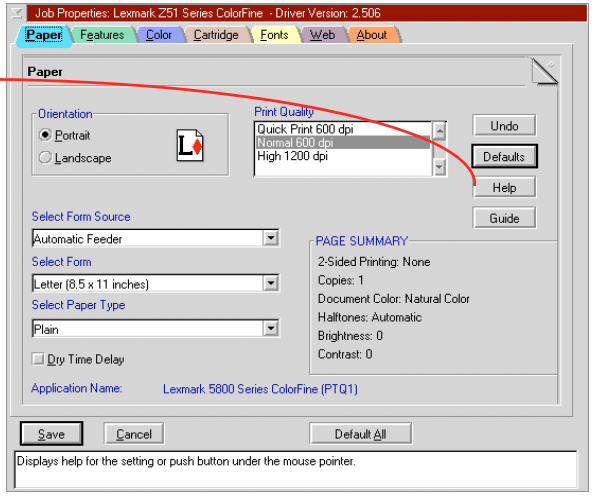
   The Printer Properties notebook appears.

7. Change settings as needed.

Using the Job Properties

The Job Properties notebook includes 7 pages: Paper, Features, Color, Cartridge, Fonts, Web and About. The Paper, Features, Color, Cartridge, and Fonts pages contain settings relating to the operation of your printer and its software.

Click the **Help** push button to learn more about the printer setting options and additional troubleshooting solutions.



Use the Job Properties of the printer driver when you want to:

- Adjust color usage
- Adjust print quality
- Select page orientation
- Reset document defaults
- Select a different size or type of media
- Print on both sides of your paper

Changing the Job Properties

There are three procedures you can use to change Job Properties.

Quick Fix

Printer software settings not in effect:

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.

Procedure 1

The most common way to change properties for the current print job is through the application in which you are working. Although this procedure may vary between applications, general instructions are as follows:

1. From your application's File menu, select **Printer Setup**.

   Note: In some applications this might be called **Print Destination** or **Print Setup**. Refer to your application's user documentation for more specific information about how to specify or change printer setup options.

2. Click the **Job Properties** push button. The Job Properties notebook appears.

   Note: In some applications this might be called **Settings** or **Options**. You should refer to your application's user documentation for more specific information about how to specify or change printer setup options.

3. Change settings as needed.

Procedure 2

You can also set Job Properties to control various system printing functions, such as print screen, drag and drop printing, and printing from OS/2 Windows and full screens. Follow the steps as shown to access Job Properties from the printer icon for this type of printing.

Using OS/2 Version 2.1, 2.11, or OS/2 Warp Version 3.0

1. Right-click the **Printer** icon on your desktop.

   A sidebar menu appears.

2. If you are using:

   - OS/2 Warp Version 3.0, click **Settings**.
   - OS/2 Version 2.1 or 2.11, click **Open**, and click **Settings**.

3. Click the **Printer driver** tab.

4 Click the **Job Properties** push button on the **Printer driver** tab.

The Job Properties notebook appears.

5 Change settings as needed.

Using OS/2 Warp Version 4.0

1 Double-click the **Connections** icon on your desktop.

2 Select **Printers** from the Connections - Tree View window.

The Printers - Icon View folder appears.

3 From the Printers - Icon View folder, right-click the **Lexmark Z51 Series ColorFine Jetprinter** icon.

A sidebar menu appears.

4 Select **Properties** from the sidebar menu.

5 Click the **Printer driver** tab.

6 Click the **Job Properties** push button on the **Printer driver** tab.

The Job Properties notebook appears.

7 Change settings as needed.

Procedure 3

You should set Default Job Properties for use in applications that do not allow Job Properties to be set any other way. Follow the steps as shown to access Default Job Properties.

Using OS/2 Version 2.1, 2.11, or OS/2 Warp Version 3.0

1 Right-click the **Printer** icon on your desktop.

A sidebar menu appears.

2 If you are using:

- OS/2 Warp Version 3.0, click **Settings**.
- OS/2 Version 2.1 or 2.11, click **Open**, and click **Settings**.

3 Click the **Printer driver** tab.

4 In the Default printer driver window, double-click the **Lexmark Z51 Series ColorFine Jetprinter** icon.

The Printer Properties notebook appears.

5 Click the **Default Job Properties** push button.

The Default Job Properties notebook appears.

6 Change settings as needed.

Using OS/2 Warp Version 4.0

1 Double-click the **Connections** icon on your desktop.

2 Double-click **Printers** from the Connections - Tree View window.

The Printers - Icon View folder appears.

3 From the Printers - Icon View folder, right-click the **Lexmark Z51 Series ColorFine Jetprinter** icon.

A sidebar menu appears.

4 Select **Properties** from the sidebar menu.

5 Click the **Printer driver** tab.

6 In the Default printer driver window, double-click the **Lexmark Z51 Series ColorFine Jetprinter** icon.

The Printer Properties notebook appears.

7 Click the **Default Job Properties** push button.

The Default Job Properties notebook appears.

8 Change settings as needed.

Using the printer software to order supplies

If you have Internet access, you can use your printer software to contact Lexmark and order supplies. For help opening Job Properties, see “Using the Job Properties” on page 10.

Click the **Web** tab.

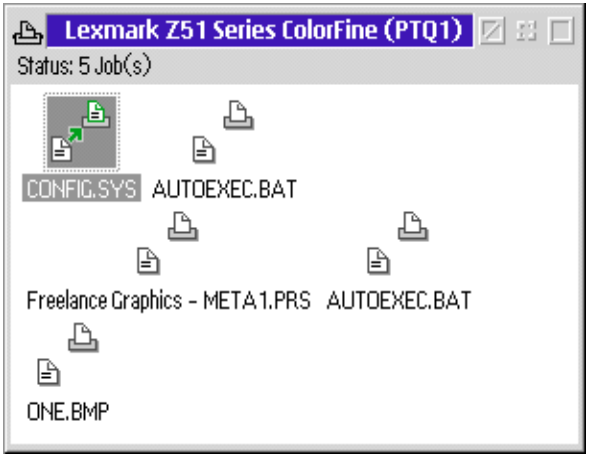
Click the **Supplies** push button.

The Lexmark Worldwide supplies page appears. This page has a link to the region where you want to order supplies.

If you do not have Internet access, check your printer registration card.

Using the print object

The print object shows a list of jobs printing or waiting to print. The print object includes menus that control print queues and print jobs. You can stop individual print jobs from printing, place a job on hold, delete a job, or requeue a job for later printing. You can also enable remote network printing from the print object.



Use the print object when you want to:

- Pause or cancel print jobs
- Reprint a document
- View the print jobs waiting to be printed

Opening the print object using OS/2 Version 2.1, 2.11, or OS/2 Warp Version 3.0

Double-click the **Printer** icon on your desktop.

The print object window appears.

Opening the print object using OS/2 Warp Version 4.0

1. Double-click the **Connections** icon on your desktop.
2. Double-click **Printers** from the Connections - Tree View window.

   The Printers - Icon View folder appears.
3. From the Printers - Icon View folder, double-click the **Lexmark Z51 Series ColorFine Jetprinter** icon.

   The print object window appears.

Quick Fix

Paper feeds multiple sheets at one time

- Make sure the paper is aligned against the right side of the automatic feeder.
- Make sure the media guide is against the edge of the paper.
- Make sure the top of the paper aligns with the appropriate mark at the top of the paper support.
- Try printing on the other side of the paper.

Paper fails to feed

1 Align the paper against the right side of the sheet feeder.

2 Make sure no more than 100 sheets are loaded.

3 Slide the media guide against the edge of the paper.

4 Raise the front cover.

5 Remove any obstructions inside the printer.

6 Close the front cover.

7 Press the Paper Feed button.

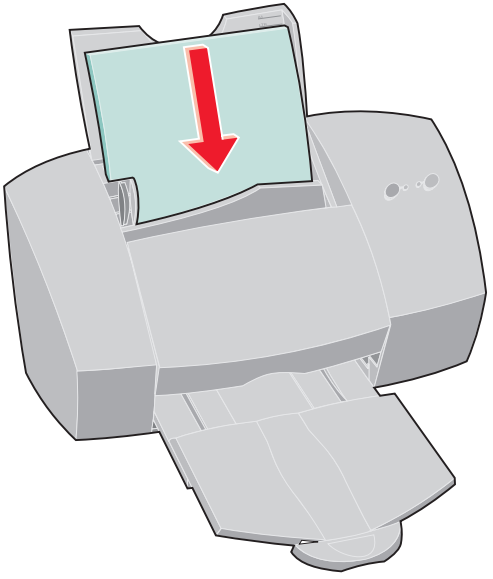
Printing on plain paper

Chapter 3

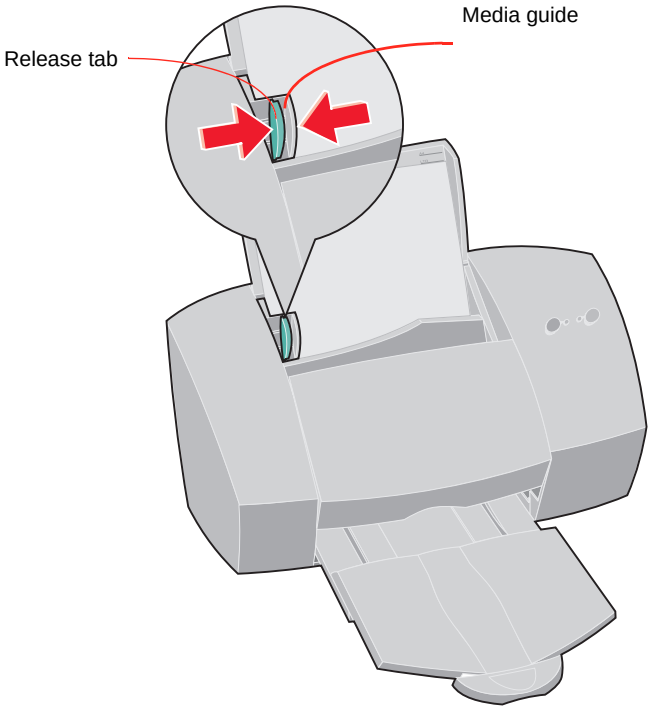
Loading paper

You can load up to 100 sheets of paper, depending on thickness, into the printer. To load the paper:

1 Place the paper against the right side of the automatic feeder, with the print side facing you.



2 Squeeze the release tab and the media guide together and 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, all you need to do is print the document.

To check your printer settings before sending a job to print:

1 From your application's File menu, select **Printer Setup**.

Note: In some applications this might be called **Print Destination** or **Print Setup**. Refer to your application's user documentation for more specific information about how to specify or change printer setup options.

2 Click the **Job Properties** push button. The Job Properties notebook appears.

Quick Fix

Paper jams

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 Press the Power button to turn your printer on.

5 Resend your document.

Tip

- When you change the printer settings from your application, the settings apply only to that document. To make your changes apply to all documents, see "Using the Printer Properties" on page 8.
- Select Quick Print 600dpi to print quickly or High 1200dpi for the best print quality.

Note: In some applications this might be called **Settings** or **Options**. Refer to your application's user documentation for more specific information about how to specify or change printer setup options.

3 Check the settings you want on each tab.

Special printer settings

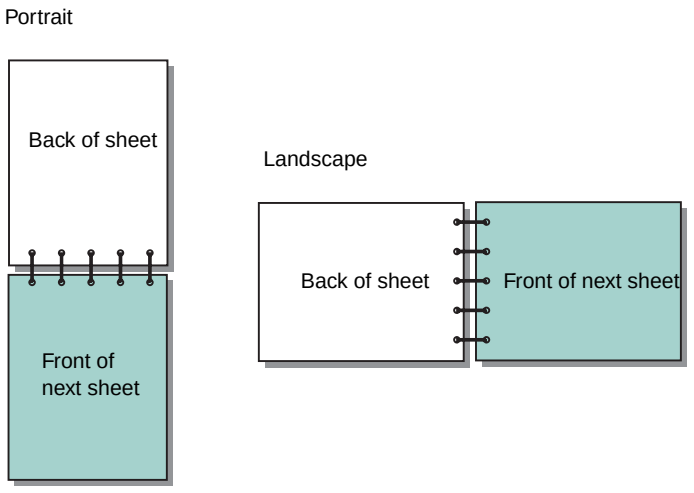
Your Lexmark printer allows you to print on both sides of a sheet of paper and format the binding edge for your print job.

When you print on both sides of the paper, you can choose how to bind your documents and whether to print instructions. To help you better understand your options, read the following descriptions:

Short Edge

Short edge binding lets you attach all your pages along the short edge of the page (the top edge of a portrait-printed page and the left edge of a landscape-printed page). For example, the pages in your *Getting Started* booklet are landscape-printed using the short edge binding.

The following illustration shows a short-edge binding:



Glossary

Orientation

Portrait and landscape orientations define the way an image is printed on paper. For most paper types, portrait is tall:

Portrait

and landscape is wide:

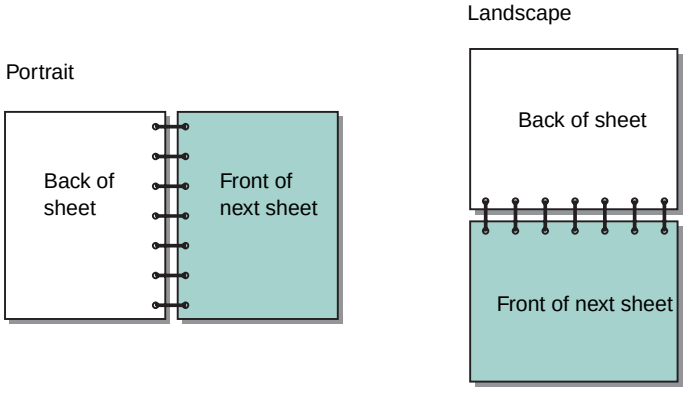
Landscape

Portrait orientation is generally used for correspondence and reports. Landscape orientation is often used for spreadsheets and transparencies.

Long Edge

Long edge binding lets you attach all your pages along the long edge of the page (the left edge of a portrait-printed page and the top-edge of a landscape-printed page). For example, the pages in this *User's Guide* are portrait-printed using long edge binding.

The following illustration shows a long edge binding:



Printed Instructions

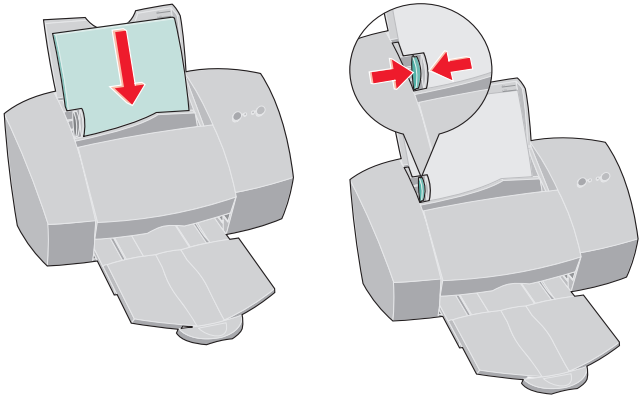
Checking this box prints a separator page after the last odd-numbered page prints on the front side. This separator page contains instructions on how to position the paper to print the even-numbered pages on the back side. The instructions are based on the selection, short edge or long edge, you made for two-sided printing.

To print on both sides of a single sheet of paper, follow the instructions as shown:

1 Load up to 100 sheets of paper against the right side of the automatic feeder.

Insert paper with the print side facing you.

Squeeze the release tab and the media guide together, and slide the media guide to the edge of the paper.



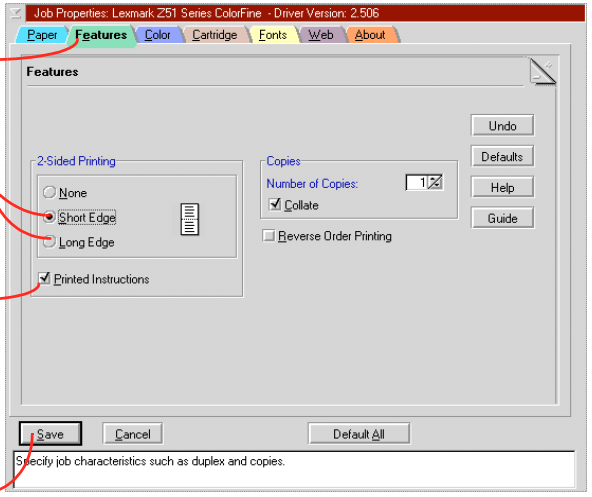
2 Customize the printer settings for your two-sided print job. For help opening the Job Properties, see “Using the Job Properties” on page 10.

Click the **Features** tab.

Select the binding edge for your print job.

Check **Printed Instructions** for help reloading the paper to print on the other side.

Click **Save.**

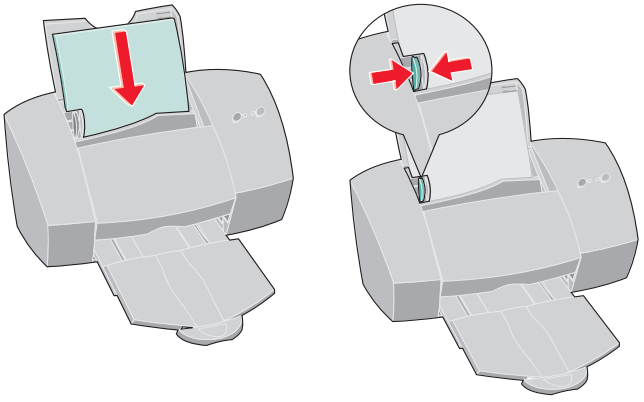


3 Send your two-sided document to print.

4 After the first side of each page prints, a pop-up window appears. Reload your paper, according to the printed instructions, against the right side of the automatic feeder.

Insert paper with the printed side facing away from you.

Squeeze the release tab and the media guide together, and slide the media guide to the edge of the paper.



5 Click **OK** on the pop-up window to print the remainder of your two-sided document.

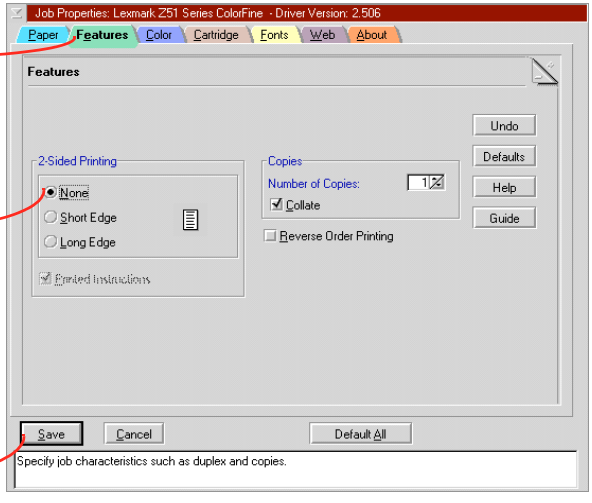
Returning to single-sided printing

To return to single-sided printing:

Click the **Features** tab.

Select **None**.

Click **Save**.



Glossary

Specialty media

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

Note

Some software applications may override the Paper Source, Paper Size, and Orientation settings in your printer software.

Quick Fix

Printer is plugged in but nothing prints

- 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.
- Print a test page. If the test page prints, the printer is functioning properly. Check your application.
- Make sure the printer is not being held or paused. To check the printer status, open the print object and make sure the words **processing held** do not appear on the status line. For help opening the print object, see "Using the print object" on page 15.

Printing on specialty media

Chapter 4

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

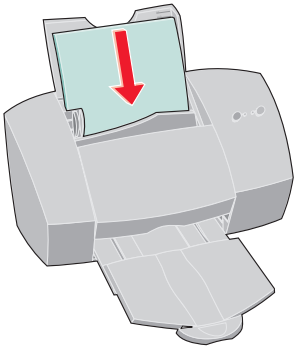
The following table lists the typical printing needs described in this chapter:

For information about:	See page:
Transparencies	24
Envelopes, index cards, or postcards	25
Customized paper sizes	26
Printing greeting cards	29
Iron-on transfers	30
Photos	31

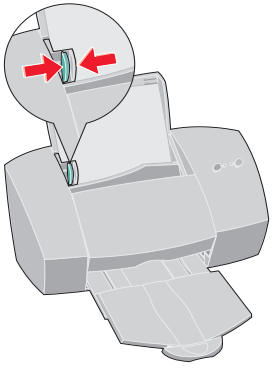
Printing transparencies

1 Load up to 10 transparencies against the right side of the automatic feeder.

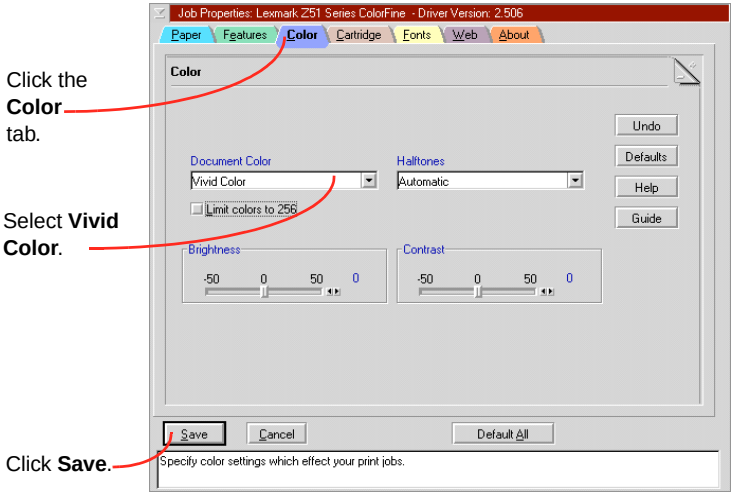
Insert transparencies with the print side facing up (removable stripe away from you and pointing down).



Squeeze the release tab and the media guide together, and slide the media guide to the edge of the transparencies.



2 Customize the printer settings for printing transparencies. For help opening the Job Properties, see “Using the Job Properties” on page 10.



Supplies

Transparencies
(50 pack)

- A4-
  P/N 12A0808
- Letter-
  P/N 12A0807

See page 14 for information on ordering supplies.

Quick Fix

Transparencies stick together

- Make sure the print side is facing up.
- Use a transparency designed for an inkjet printer.
- Remove each transparency as it exits from the printer.

Solid black areas on transparencies contain white streaks

- Try using a different fill pattern in your application software.
- Select High 1200dpi from the Paper tab of Job Properties.

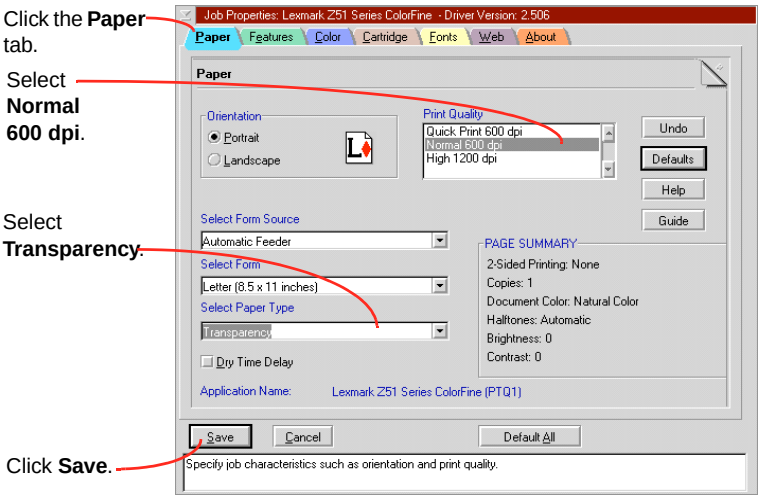
Glossary

dpi

Dots-per-inch

Tip

Remove each transparency as it exits the printer and let it dry before stacking.

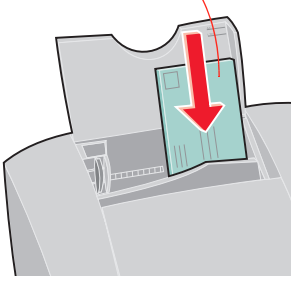


3 Print the transparencies.

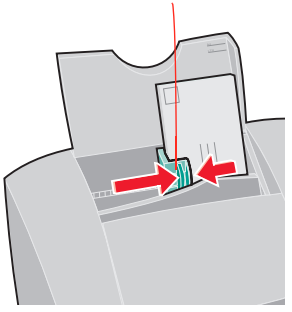
Printing envelopes, index cards, or postcards

1 Load up to 10 envelopes, index cards, or postcards vertically against the right side of the automatic feeder.

Insert up to 10 envelopes, index cards, or postcards with print side facing you and stamp location in the lower right corner.



Squeeze the release tab and the media guide together and slide the media guide to the edge of the media.



If you are printing envelopes from a DOS prompt, see “Printing envelopes” on page 52.

Tips

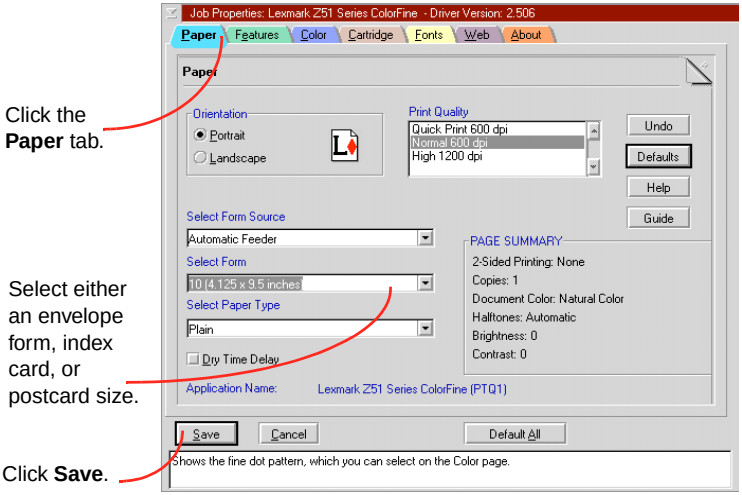
For best print quality near envelope edges, use these minimum clip limits in your application:

Left and right clip limits must be at least 3.17 mm (0.125 in.) each for all envelope sizes.

The **top clip limit** must be set to at least 19.05 mm (0.75 in.).

The **bottom clip limit** for all envelope sizes must be 3.17 mm (0.125 in.).

2 Customize the printer settings for printing envelopes, index cards, or postcards. For help opening the Job Properties, see “Using the Job Properties” on page 10.

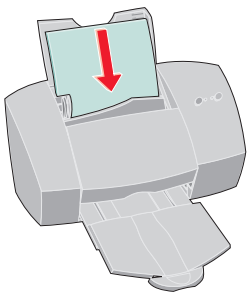


3 Print the envelopes, index cards, or postcards.

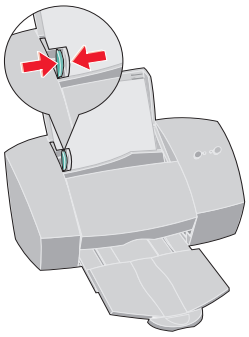
Printing on customized paper sizes

1 Load the media against the right side of the automatic feeder.

Load up to 25 sheets of specialty media, or up to 100 sheets of plain paper.



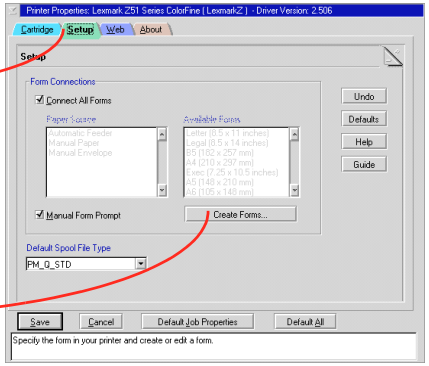
Squeeze the release tab and the media guide together and slide the media guide to the edge of the media.



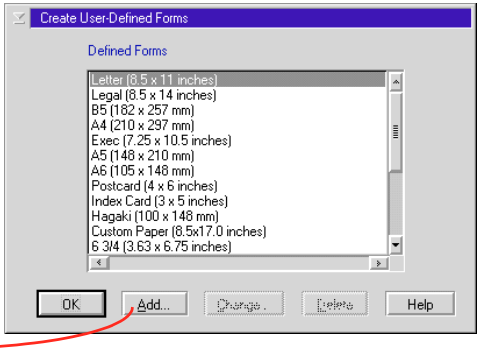
2 Customize the printer settings for printing special paper sizes. For help opening the Printer Properties, see “Using the Printer Properties” on page 8.

Click the **Setup** tab.

Click the **Create Forms** push button.



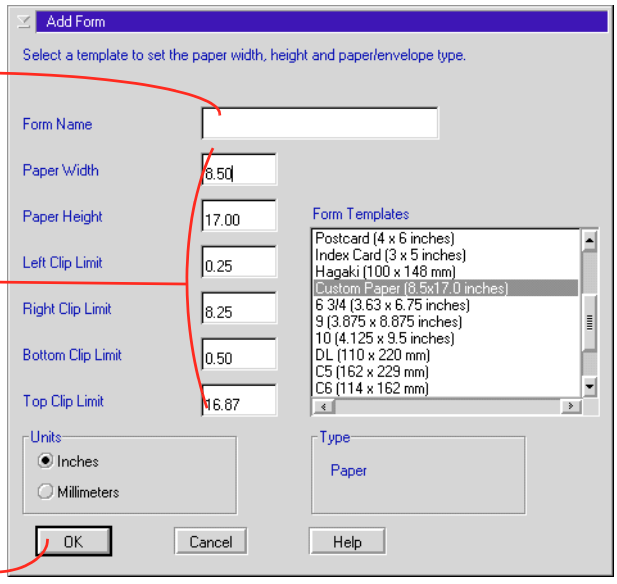
Click the **Add** push button.



Enter a name for the new form you are creating.

Enter the dimensions for the paper size you are using.

Click **OK**.

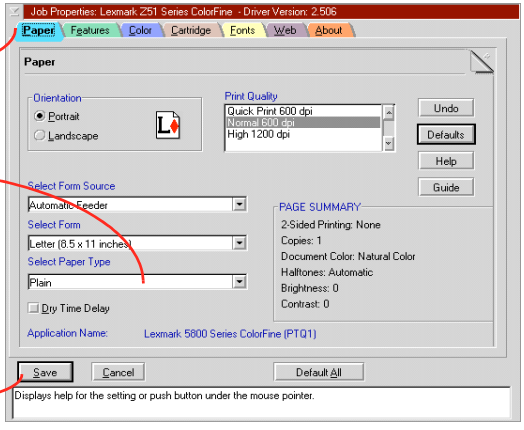


3 Open the Job Properties to complete the customization of the printer software for printing special paper sizes. For help opening the Job Properties, see “Using the Job Properties” on page 10.

Click the **Paper** tab.

Select the paper type that best describes your print media.

Click **Save**.



4 Print the document.

Tips

You can use any paper size that fits within these dimensions:

- **Width:**

  3.0” - 8.5”
  76.2 - 215.9 mm

- **Height:**

  5.0” - 17.0”
  127.0 - 431.8 mm

For best print quality near edges of the page use these minimum clip limits:

Set the **left and right clip limits** to at least 6.35 mm (0.25 in.) each for all paper sizes except A4.

For A4 paper sizes, set **left and right clip limits** to at least 3.37 mm (0.133 in.) each.

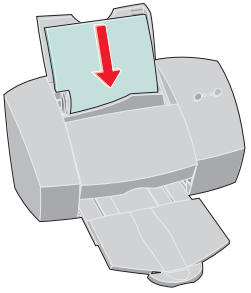
Set the **top clip limit** to at least 1.7 mm (0.067 in.).

Set the **bottom clip limit** for all paper sizes to 12.7 mm (0.5 in.) for black printing and 19.05 mm (0.75 in.) for color printing.

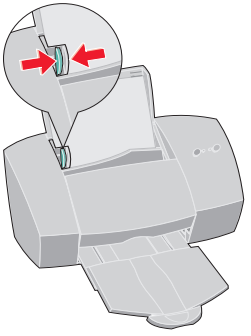
Printing greeting cards

1 Load up to 10 greeting cards against the right side of the automatic feeder.

Insert greeting card(s) with the print side facing you.



Squeeze the release tab and the media guide together and slide the media guide to the edge of the greeting card(s).

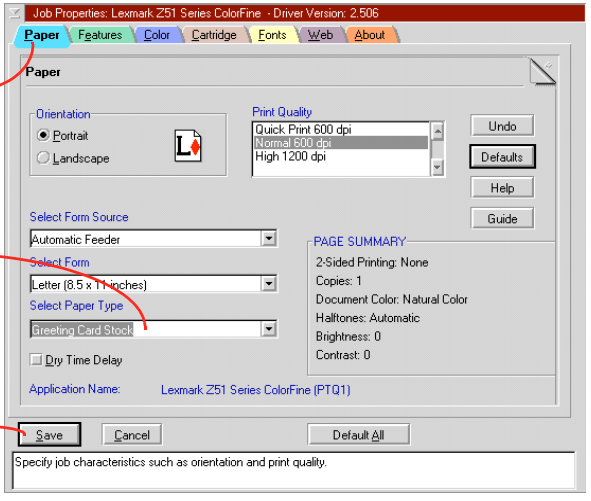


2 Customize the printer software to print greeting cards. For help opening the Job Properties, see “Using the Job Properties” on page 10.

Click the **Paper** tab.

Select **Greeting Card Stock**.

Click **Save**.



3 Print the greeting card(s).

Supplies

Greeting Cards with Envelopes

See page 14 for information on ordering supplies.

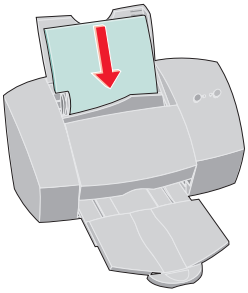
Note

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

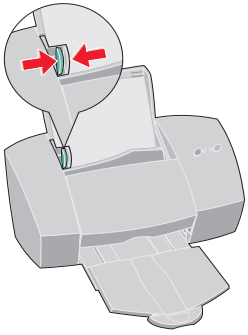
Printing iron-on transfers

1 Load up to 25 iron-on transfers against the right side of the automatic feeder.

Insert iron-on transfers with the print side (blank side of transfers) facing you.



Squeeze the release tab and the media guide together and slide the media guide to the edge of the iron-on transfers.

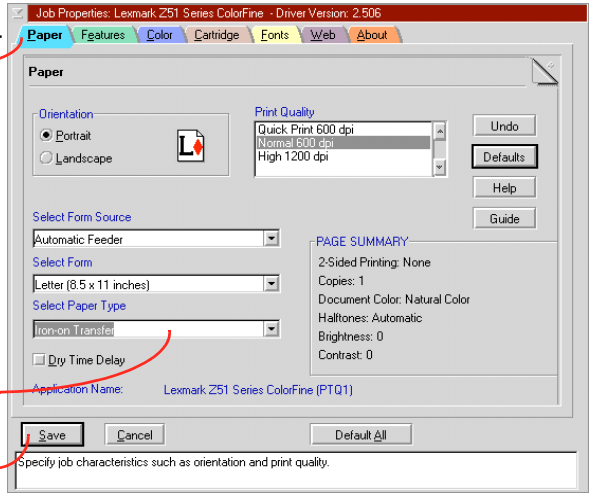


2 Customize the printer software to print iron-on transfers. For help opening Job Properties, see “Using the Job Properties” on page 10.

Click the **Paper** tab.

Select **Iron-On Transfer**.

Click **Save**



3 Print the iron-on transfers.

Supplies

Iron-on transfers
(10 pack)

See page 14 for information on ordering supplies.

Tip

With each new application, practice printing your transfer on plain paper before actually loading the iron-on transfer into the automatic feeder.

Printing photos

Supplies

Photo cartridge

P/N 12A1990

Photo paper
(20 pack)

- A4-
  P/N 1372208
- Letter-
  P/N 1372481
- 4x6-
  P/N 12A0099

See page 14 for information on ordering supplies.

Warning

Do not touch the gold contact area!

Quick Fix

Glossy/photo papers stick together

- Use glossy/photo paper designed for an inkjet printer.
- Remove each sheet of glossy/photo paper as it exits from the printer.

White streaks appear in photos

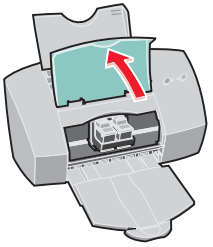
Clean the print cartridge nozzles. For help, see “Cleaning print nozzles” on page 45.

Printer is printing but no photo appears

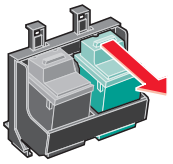
Remove sticker and tape from the gold contact area of the cartridge.

1 You can print high quality photos with the cartridges that came with your printer. To use these cartridges, skip to step 4. For the best possible photo quality, replace the black cartridge with a photo cartridge:

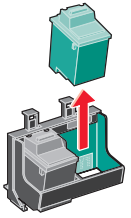
a Open the front cover.



b Snap the black cartridge out of place.

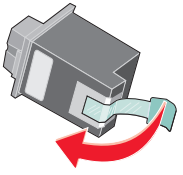


c Remove the black cartridge from the cartridge carrier.

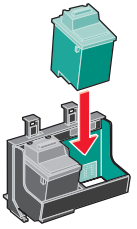


d Store the black cartridge into the print cartridge storage unit.

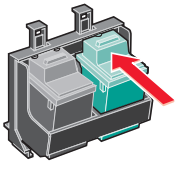
e Remove the tape covering the gold contact area of the photo print cartridge.



f Insert the photo cartridge.



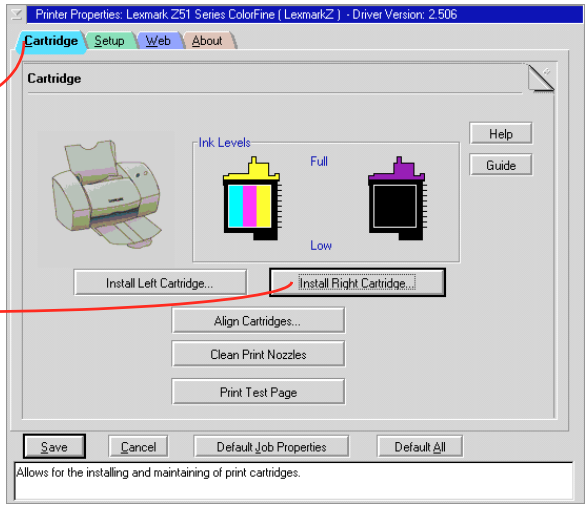
g Snap the photo cartridge into place



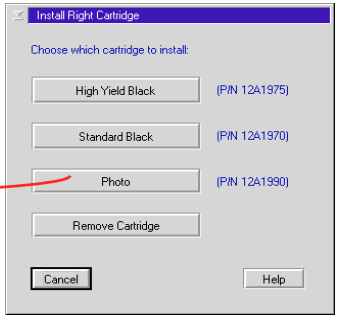
2 Complete the cartridge installation by updating the printer software. For help opening the Printer Properties, see “Using the Printer Properties” on page 8.

Click the **Cartridge** tab.

Click the **Install Right Cartridge** push button.



Click the **Photo** push button to let the printer software know you installed a **Photo** cartridge.



Tip

For the best photo quality, we recommend using photo paper, but you can also use plain or coated paper to print photos. Be sure to select the correct paper type from the **Paper** tab in the Job Properties.

Supplies

Coated paper (100 pack)

- A4- P/N 1402781
- Letter- P/N 1402780

See page 14 for information on ordering supplies.

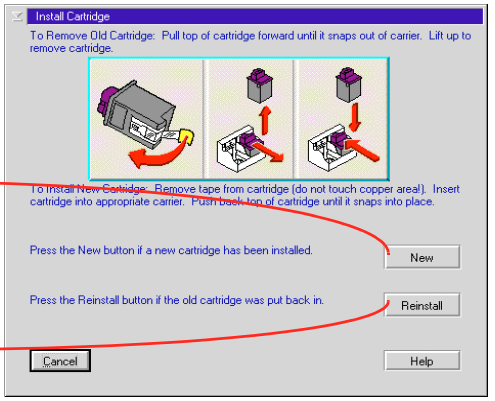
Quick Fix

Printer prints very slowly

- 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.
- 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.

Click the **New** push button if you installed a new photo cartridge.

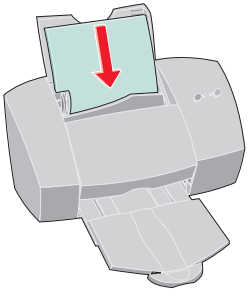
Click the **Reinstall** push button if you installed a used photo cartridge.



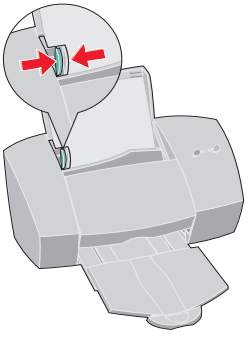
3 If your printer software prompts you to align the print cartridges, insert a sheet of plain paper into the automatic feeder and follow the instructions on your screen.

4 Place up to 25 sheets of photo paper against the right side of the automatic feeder.

Insert the photo paper with the print side facing you.



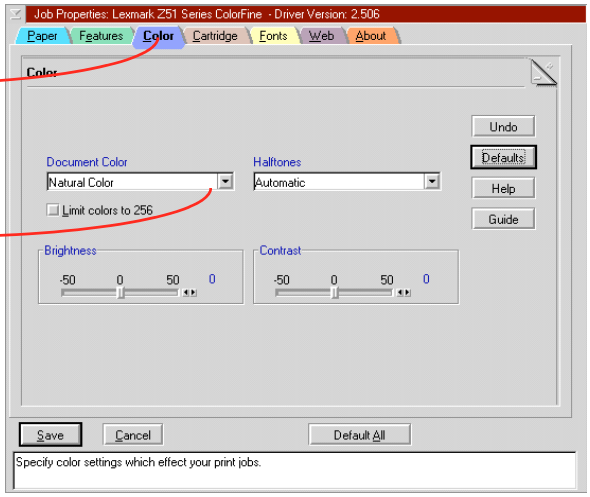
Squeeze the release tab and the media guide together and slide the media guide to the edge of the photo paper.



5 Customize the printer software for printing photos. For help opening the Job Properties, see “Using the Job Properties” on page 10.

Click the **Color** tab.

Select **Natural Color**.

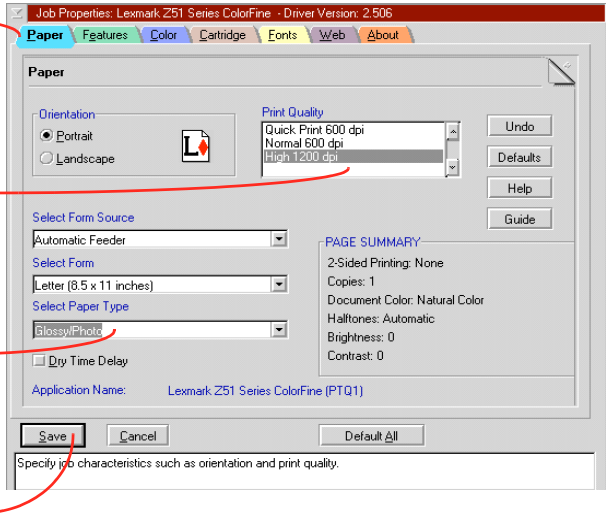


Click the **Paper** tab.

Select the highest print quality.

Select **Glossy/ Photo**.

Click **Save**.



6 Print the photo.

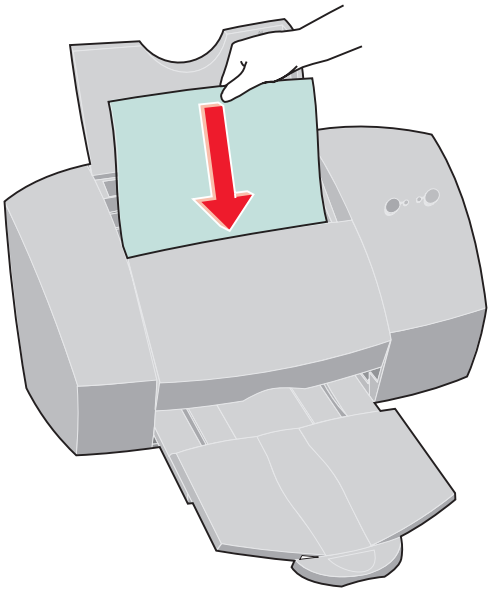
Tips

- Check to make sure you are using the correct print quality and speed for the type of job you are printing.
- Remove each sheet as it exits the printer and allow it to dry before stacking.
- 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 39.

Printing specialty media from the manual feeder

We recommend using the automatic feeder for most types of specialty media. However, if your specialty media does not feed correctly from the automatic feeder, use the manual feeder. You can load only **one** sheet of specialty media into the manual feeder. To load specialty media:

1. Place the specialty media against the right side of the manual feeder, with the print side facing you.



2. Push the specialty media down until the printer automatically loads it.

Caring for your printer

Chapter 5

Print cartridge

The ink reservoir and printhead unit.

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	38
Removing a print cartridge from the printer	38
Installing or changing a print cartridge	39
Completing the cartridge installation	40
Improving print quality	41
Aligning print cartridges	42
Cleaning print nozzles	45
Wiping print nozzles and contacts	47
Cleaning print cartridge carrier contacts	49
Preserving print cartridges	50

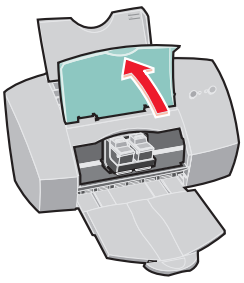
Installing or replacing print cartridges

- 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 39.

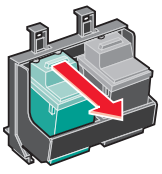
Removing a print cartridge from the printer

1. Make sure the Power light is on.
2. If you need to remove a print cartridge before you install a different one, follow these steps:

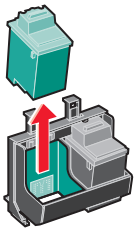
Raise the front cover. The print cartridge carrier moves to the loading position unless the printer is busy.



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



Remove the print cartridge by lifting it up and out of the printer.



3. Store or dispose of the cartridge you remove.
4. Continue with “Installing or changing a print cartridge.”

Supplies

Black cartridge

- Standard Yield P/N 12A1970
- High Yield P/N12A1975

Color cartridge

- Standard Yield P/N 15M0120
- HighYield P/N 15M0125

Photo cartridge

P/N 12A1990

See page 14 for information on ordering supplies.

Note

If the printer is not busy, the print cartridge carrier automatically moves to the loading position when you raise the cover.

Notes

Storing an extra print cartridge

Use the print cartridge storage unit that comes with a photo print cartridge to keep your extra print cartridge fresh when you are not using it.

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.

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 to reflect the changes you made.

If necessary, follow the steps for "Removing a print cartridge from the printer" on page 38 before proceeding.

Note

Make sure the print cartridges are installed in the appropriate print cartridge carrier. The color print cartridge should be inserted into the carrier on the left and the black or photo cartridge should be inserted into the carrier on the right.

Warning

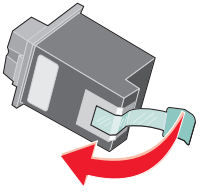
Do not touch the gold contact area on the print cartridge!

Tip

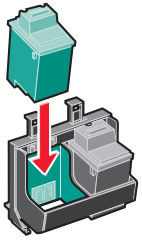
If the print cartridge moves loosely in the carrier, it is not locked into place. Make sure the cartridge snaps into place.

1 To install the cartridge in the printer:

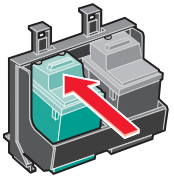
If you are installing a new print cartridge, remove the tape covering the gold contact area on the print cartridge.



Insert the replacement print cartridge into the print cartridge carrier.



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



2 Close the front cover.

3 **IMPORTANT:** Continue with "Completing the cartridge installation" on page 40.

Completing the cartridge installation

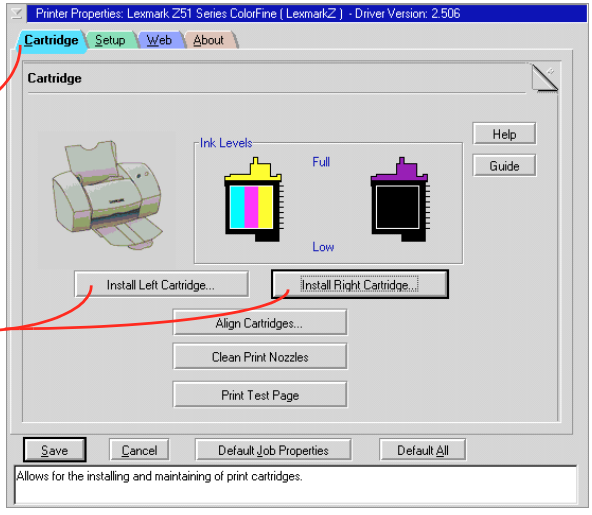
To complete your cartridge installation, you must update your printer software by indicating the cartridge change you made in the printer. Updating the printer software ensures the best print quality and an updated ink level image in the Printer Properties notebook.

To complete the cartridge installation:

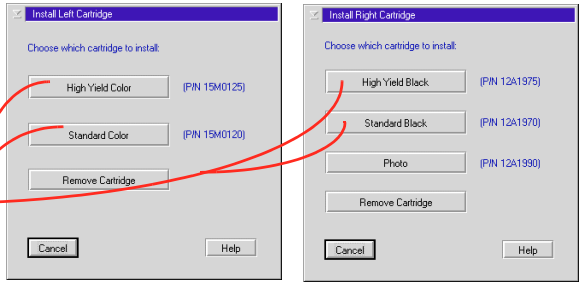
1. Use Printer Properties to update the printer software. For help opening the Printer Properties, see “Using the Printer Properties” on page 8.

Click the **Cartridge** tab.

Click the appropriate push button for the cartridge you installed.



Click the appropriate push button for the cartridge you installed.



Tips

- For normal text printing, make sure you have a black print cartridge installed instead of a photo print cartridge.
- To view the ink level, check the ink level image on the Cartridge tab of Printer Properties. The ink level image shows you how much ink is in your cartridge.

Tip

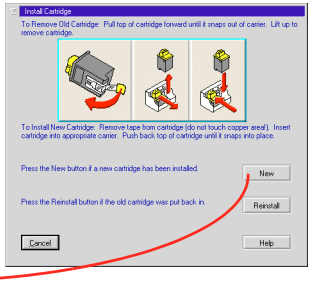
Make sure the print cartridges are installed correctly. For help, see “Installing or replacing print cartridges” on page 38.

Quick Fix

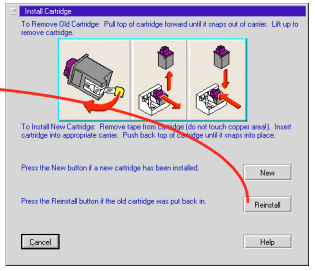
Print is too dark or smudged

- Increase the Brightness setting on the **Color** tab in the Job Properties.
- 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 45.

Depending on the cartridge you installed, one of the two screens to the right appears. Click the **New** push button if you installed a brand new cartridge.



Click the **Reinstall** push button if you installed a used cartridge.



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 42.
3. If you installed two print cartridges, repeat steps 1 and 2 for the other print cartridge.

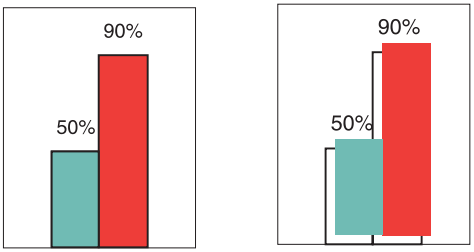
Improving print quality

If your print quality is not what you expected, you may need to align your print cartridges or clean your print nozzles. After printing many documents, your print cartridges may need to be refreshed. A simple cartridge alignment may improve your print quality.

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.

The following illustration shows sample results of aligned and misaligned print cartridges:

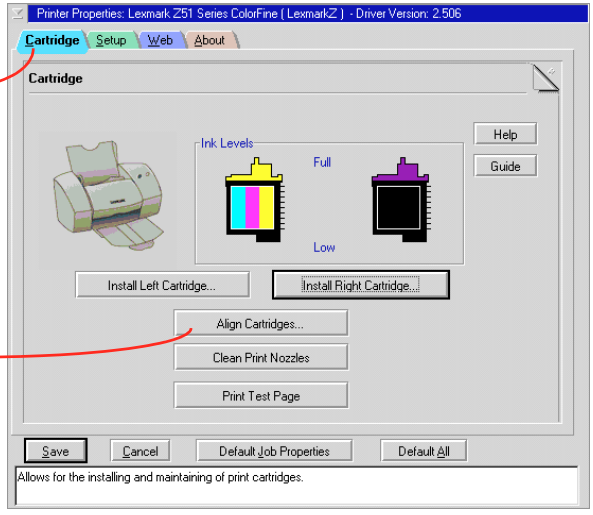


Aligned Misaligned

1 Use the Printer Properties to begin alignment. For help opening Printer Properties, see “Using the Printer Properties” on page 8.

Click the **Cartridge** tab.

Click the **Align Cartridges** push button.



Tips

Align the print cartridges when:

- Characters are not aligned correctly at the left clip limit.
- The black portions of a graphic or text do not align properly with the color portions.
- Printer prints improperly formed or misaligned characters.
- A yellow halo appears around black text or graphics.

Print quality suggestions:

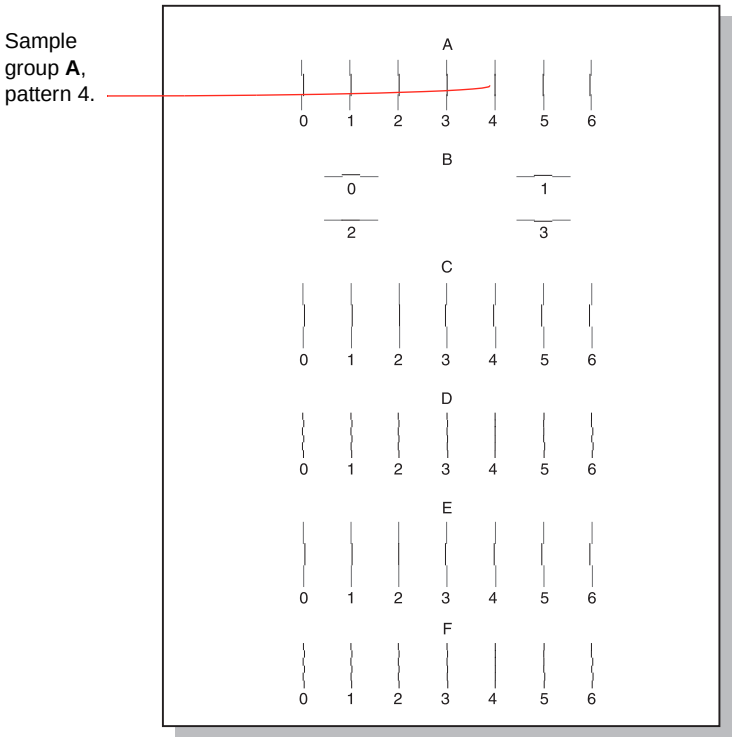
- Make sure you are using a paper designed for inkjet printing.
- If you are using specialty media, make sure the print side is facing you.

Note

Your alignment page may look different from the one shown

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.

Your printer prints an alignment sheet similar to the one shown:

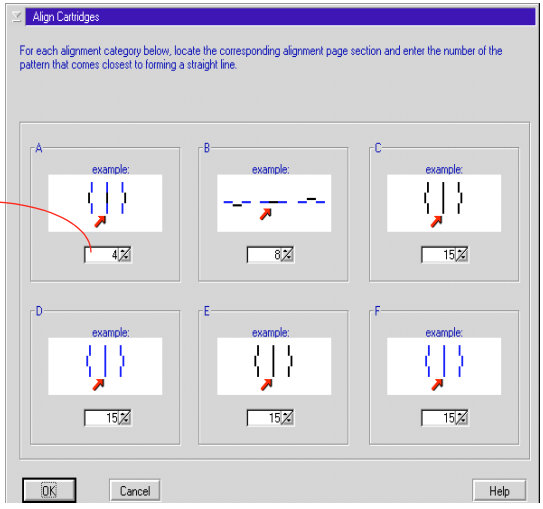


2 From each alignment group on the test page, locate the number under the alignment pattern that comes closest to forming a perfectly straight line.

For example, in sample group **A**, pattern **4** 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.

For example, select 4 from **A** Horizontal.



4 After you have entered a number for all of the patterns, click **OK**.

Cleaning print nozzles

Quick Fix

Run the nozzle test when:

- Characters are not printing completely.
- Characters print with white lines.
- White dashes appear in graphics.
- Print is too dark or smudged.

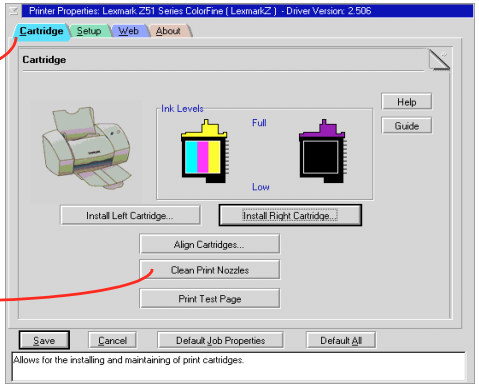
The print cartridge nozzle test helps you pinpoint any clogged nozzles. The nozzle test also cleans the print cartridge by cleaning the nozzles. A test line prints so you can see if the cleaning process was successful.

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

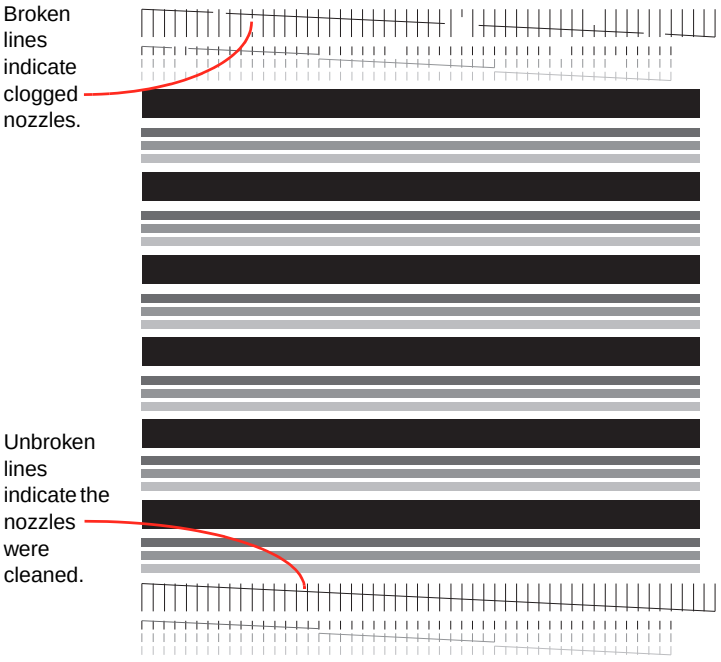
1. Make sure plain paper is loaded in the printer.
2. Use the Printer Properties to run the nozzle test. For help opening Printer Properties, see “Using the Printer Properties” on page 8.

Click the **Cartridge** tab.

Click the **Clean Print Nozzles** push button.



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



3 Examine the test pattern.

4 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 still has breaks, 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 5.

5 Remove and reinstall the print cartridge.

6 Repeat the nozzle test.

7 If the lines are still broken, wipe the print cartridge nozzles. For help, see “Wiping print nozzles and contacts” on page 47.

Quick Fix

Printer prints unexpected or missing characters

- 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” in the Printer Properties Help. To open Help, click:

1 File.

2 Print (or Printer) Setup.

3 Properties, Options, or Setup push button.

4 Help push button.

Note

If the printer is not busy, when you raise the front cover, the print cartridge carrier automatically moves to the loading position.

Unplugging the power cord forces the cartridge carrier to remain in the loading position.

Wiping print nozzles and contacts

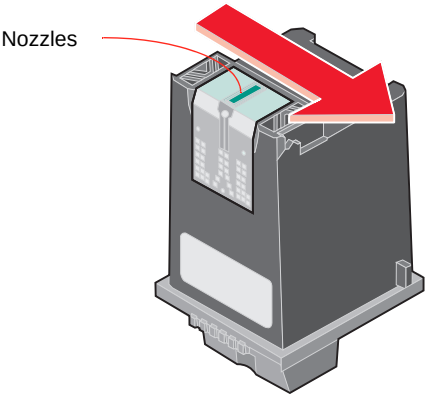
If print quality does not improve after cleaning the print nozzles (see “Cleaning print nozzles” on page 45), the problem may be caused by dried ink on the print cartridge nozzles.

1 Wipe the print cartridge nozzles:

a Remove the print cartridge from the printer. For help, see “Removing a print cartridge from the printer” on page 38.

b Dampen a clean cloth with water and gently wipe the entire gold-colored area, including the nozzles.

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



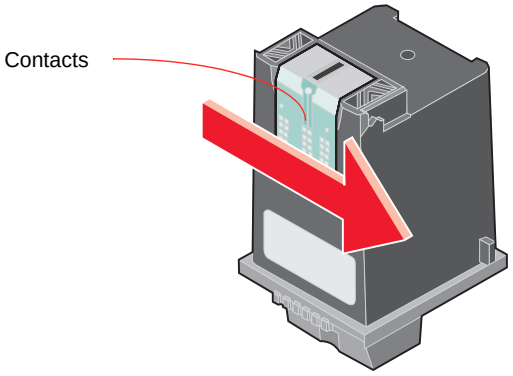
c To dissolve dried ink, hold the damp cloth against the nozzles for about three seconds. Gently blot and wipe dry.

2 Allow the gold-colored area to dry.

3 Wipe the print cartridge contacts:

a Dampen another section of clean cloth with water and gently wipe the entire gold-colored area, including the contacts.

When cleaning the color print cartridge, wipe the contacts in one direction.



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

4 Allow the gold-colored area to dry.

5 Reinstall the print cartridge and repeat the nozzle test. For help, see “Cleaning print nozzles” on page 45.

6 If the nozzle test line is still broken, clean the print cartridge carrier contacts. For help, see “Cleaning print cartridge carrier contacts” on page 49.

Warning

Do NOT wipe the nozzles and contacts with the same section of cloth.

Note

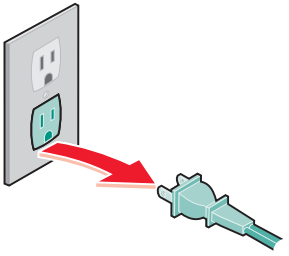
Unplugging the power supply forces the cartridge carrier to remain in the loading position.

Cleaning print cartridge carrier contacts

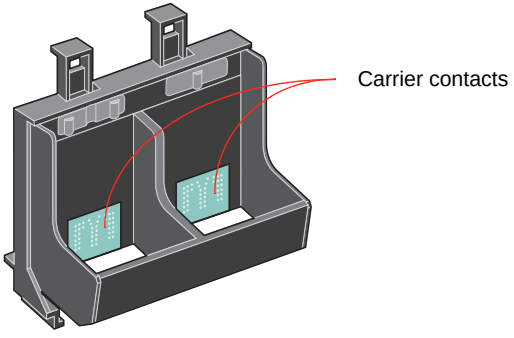
Clean the print cartridge carrier contacts only if you have cleaned and wiped the print nozzles and print quality is still unsatisfactory.

To clean the print cartridge carrier contacts:

1. Remove both print cartridges. For help, see “Removing a print cartridge from the printer” on page 38.
2. Unplug the power supply from the electrical outlet.



3. Use a clean, dry cloth to clean the cartridge carrier contacts inside the printer.



4. Replace the print cartridges. For help, see “Installing or changing a print cartridge” on page 39.
5. Close the front cover.
6. Plug the printer power supply 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.

Quick Fix

Print smears on the page

- 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.
- Select a higher print quality setting from the Paper tab in the Job Properties.
- Select the Natural Color setting from the Color tab in the Job Properties.

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.

Appendix

In this section, you can find information about:

- Installing the printer software
- Printing from DOS
- Warranty
- Notices
- Safety information
- Energy Star

Installing the printer software

You can obtain the printer software from the CD-ROM, diskettes, or World Wide Web.

Using the CD-ROM

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

If your computer does not have a CD-ROM drive, you can create driver diskettes using another computer with a CD-ROM drive.

Using diskettes

If your computer does not have a CD-ROM drive, ask our Customer Support Center to mail you diskettes. Refer to the printer registration card for the number in your country.

Follow the instructions to install the printer software from diskettes.

1. Open an OS/2 window.
2. Insert Setup Disk 1 into your disk drive.
3. From an OS/2 prompt, type the letter of your disk drive, followed by **setupos2** (for example, **a:\setup**), and then press **Enter**.
4. When prompted by the printer software, insert the appropriate disks into your disk drive and press **Enter**.
5. When the menu screen appears, click **Install Drivers and Documentation**, then click **OK**.
6. Follow the instructions on the screen.

Using a downloaded printer driver

If your computer does not have a CD-ROM drive, you can download a driver from Lexmark's World Wide Web site at **www.lexmark.com**.

1. From Lexmark's web page, select the appropriate driver for your operating system.
2. Double-click the executable (.exe) file to download it to a specified location on your hard drive.
3. Run the executable (.exe) file to extract all of the driver files.

   The driver files will be extracted to the same location you downloaded the executable file.
4. Open the README.1ST file for further instructions.

Printing from DOS

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

- Lexmark Z51 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.

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.

1. From Job Properties, click the **Fonts** tab.

   For help opening Job Properties, see "Using the Job Properties" on page 10.
2. Change settings as needed.

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. Start your application from DOS.
2. 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.
3. Use this DOS command to copy the print file to the port where the printer is connected:

   copy *filename* lptn /b

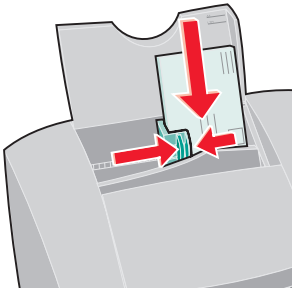
   In the command example:

   - **copy** is the DOS copy command.
   - ***filename*** is the name of the print file you created.
   - **lpt*n*** is the port where your printer is connected. For example, lpt**1** or lpt**2**.
   - **/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 envelopes

1. Load up to 10 envelopes, against the right side of the automatic feeder.
2. Insert the envelopes with print side facing you and stamp location in the **lower right corner**.



3. Squeeze the release tab and the media guide together, and slide the media guide to the edge of the envelopes.
4. Customize the Job Properties for printing envelopes.
5. Print your envelopes.

Quick fixes for DOS printing problems

Problem: DOS print job takes too long to print

What to do...

- If you attempt 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. It causes print delays.

Problem: DOS print job does not print

What to do...

- Make sure the Power light is on.

Problem: Envelope does not print correctly

What to do...

Rotate the envelope 180° and reinsert into the automatic feeder with print side facing you and stamp location in the lower right corner.

Warranty

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 Z51 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.

Notices

Federal Communications Commission (FCC) Compliance Information Statement

The Lexmark Z51 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.

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 power supply fails, replace it with the Lexmark replacement part or other UL LISTED Direct Plug-In Power Unit marked "Class 2" and rated 30 Vdc at 830 mA.
- 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 produkt is aangesloten op een geaard stopcontact als het produkt NIET is gemarkeerd met det symbool ⊡.
- Het netsnoer moet worden aangesloten op een gemakkelijk bereikbaar stopcontact in de buurt van het produkt.
- Neem contact op met een professionele onderhoudstechnicus voor onderhoud en reparaties die niet in de bij het produkt geleverde instructies beschreven worden.
- Dit product is ontworpen, getest en goedgekeurd om te voldoen aan strenge internationale veiligheidsvoorschriften. Deveiligheidsvoorzieningen 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 frånsäger sig ansvaret om delar av ett annat fabrikat används.

Informació de seguretat

- Si el vostre producte NO està marcat amb el símbol ⊡, S'HAURÀ 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 utililització 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 tiettyjä 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 маркировки ⧈, 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

- Ürünüzde ⧈ 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。

安全信息

- 如果您的产品没有 ⧈ 符号，所接的电源插座必须要有适当的接地处理。
- 电源线所连接的电源插座与产品的距离不可太远，并且要符合使用方便的原则。
- 有关维护或修理方面的细节，除了参考操作说明书以外，还可以与专业服务人员联系。
- 本产品使用特定的 Lexmark 元件，并按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特征可能不一定很明显，对于更换其他厂家零件所造成的不良后果，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 의뢰십시오.
- 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.

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.

Index

A

accessories
  see supplies
aligning print cartridges 42
automatic feeder 2

B

banner paper holder 4
banner paper support 4
bidirectional communications 4
binding
  long edge 20
  short edge 19
binding edge options 19
black cartridge
  installing 38
  ordering 38
  replacing 38
blinking lights, cause of 6
buttons and lights 5

C

cable interface problems
  see bidirectional communications
cards
  greeting 29
  index 25
carrier contacts, cleaning 49
cartridges
  see print cartridges
clip limits 28
  envelopes 25
  paper 28
color cartridge
  installing 38
  ordering 38
  replacing 38
  supplies 38
completing the cartridge installation 40
customized paper sizes, printing 26

D

damaged printer parts 1
dark or smudged print 41
disposing of a cartridge 38
DOS printing
  changing print settings 51
  printing envelopes 52
  to file 52
dpi (glossary) 25
driver,printer 8

E

Energy Star 56
envelopes, printing 25
error
  lights 6
  messages 6

F

FCC statement 54
foils
  see transparencies
front cover 3

G

glossary
  dpi 25
  icon 9
  inkjet 1
  interface 4
  print cartridge 37
  printer driver 8
  software application 7
  specialty media 25
greeting cards
  ordering 29
  printing 29

I

icon (glossary) 9
improving print quality 41, 49

index cards, printing 25
ink cartridges
see print cartridges
inkjet (glossary) 1
installing a print cartridge 38
instruction page 20
interface (glossary) 4
interface problems
see bidirectional communications
intermittent printing 4
iron-on transfers
ordering 30
printing 30

J

jams, paper 18
Job Properties, opening 10

L

landscape 19
lights and buttons 5
loading paper 17
long edge binding 20

M

manual feeder 3
media guide 2
media support 2
missing printer parts 1

N

Notices 51
nozzles
cleaning 45
testing 45
wiping 45

O

opening
Job Properties 10
print object 15
Printer Properties 9
opening the printer driver help 4, 8
ordering
black cartridge 38
color cartridge 38
greeting cards 29
iron-on transfers 30
photo cartridge 31, 38
photo paper 31
supplies 14
transparencies 24
orientation
landscape 19
portrait 19

P

paper
loading 17
printing 17
paper exit tray 3
paper feed button 5
paper feeding problems 18
glossy paper sticks together 31
paper fails to feed 17
paper feeds multiple sheets at one time 17
paper jams 18
parts
missing or damaged 1
photo paper sticks together 31
paper jams 18
paper support 2
parts of the printer 2
photo cartridge
installing 38
ordering 38
replacing 38
photo paper (ordering) 31
photos, printing 31
portrait 19
postcards, printing 25
power button 5
power light 5
preserving print cartridges 50
print cartridge (glossary) 37
print cartridge storage unit
using 38
print cartridges
aligning 42
changing 39
cleaning 45
cleaning carrier contacts 49
disposing of 38
installing 38, 39
ordering 38
preserving 50
removing 38
replacing 38
storing 38
wiping nozzles and contacts 47
print nozzles
cleaning 45
testing 45
wiping 47
print object, opening 15
print quality
black areas on transparencies contain white streaks 24
clogged nozzles 45
print is too dark or smudged 41
print smears 49
white streaks in photos 31
printer driver (glossary) 8
printer driver help, opening 4, 8

Printer Properties, opening 9
printer software
  Job Properties 10
  print object 15
  Printer Properties 8, 9, 10
  updating 40
  using 7
printing
  customized paper sizes 26
  envelopes 25
  greeting cards 29
  iron-on transfers 30
  photos 31
  plain paper 17
  transparencies 24
problems
  see troubleshooting

R

removing print cartridges 38
replacing print cartridges 38

S

safety information 54
short edge binding 19
smeared or smudged print 41
software application (glossary) 7
specialty media (glossary) 23
supplies
  black cartridge 38
  color cartridge 38
  greeting cards 29
  iron-on transfers 30
  ordering 14
  photo cartridge 31, 38
  transparencies 24

T

transparencies
  ordering 24
  printing 24
troubleshooting
  DOS printing
    envelope prints incorrectly 52
    job does not print 52
    job takes too long to print 52
troubleshooting (quick fix)
  bidirectional communications problems
  error lights 6
  general
    damaged printer 1
    parallel cable problems 4
    printer is plugged in but nothing prints 23
    printer lights blink 5, 6
    printer prints very slowly 33
    printer software settings not in effect 9, 10
  paper fails to feed 17
  paper feeding
    glossy paper stick together 31
    glossy paper sticks together 24
    paper jams 18
    photo paper stick together 31
    photo paper sticks together 24
    transparencies stick together 24
  paper feeds multiple sheets at one time 17
print quality
  black areas on transparencies contain white streaks 24
  clogged nozzles 45
  minimum clip limits (envelopes) 25
  minimum clip limits (paper) 28
  print is too dark or smudged 41
  print smears 49
  printer is printing but no photo appears 31
  printer prints missing characters 47
  white streaks in photos 31

U

United Kingdom Telecommunications Act 1984 54

W

warranty information 52
white streaks (photos) 31