LEXMARK™

2300 Series
All-In-One

User's Guide

May 2005

Safety information

- Use only the power supply and power cord provided with this product or the manufacturer's authorized replacement power supply and power cord.
- Connect the power supply cord to an electrical outlet that is near the product and easily accessible.
- Refer service or repairs, other than those described in the user documentation, to a professional service person.

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

Conventions

Note: A *note* identifies something that could help you.

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

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

Print troubleshooting
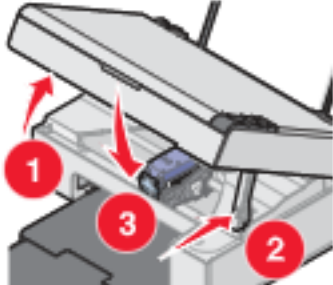
Symptom	Solution
Poor text and graphic quality, including: • Blank page • Incorrect colors • Missing characters • Faded print • Dark print • Skewed lines • Smudges • Streaks • Unexpected characters • White lines in print	If you are using the scan or copy features, see .
	Check the ink levels, and install a new print cartridge if necessary.
	See .
	To avoid ink smudging when you are using the following types of media, remove each sheet as it exits and allow it to dry before stacking: • Document with graphics or images • Photo paper • Coated or glossy paper • Transparencies • Iron-on transfers **Note:** Transparencies may take up to 15 minutes to dry.
	Use high quality paper or specialty media. For photo printing, we recommend Lexmark photo paper.
	Use only new, unwrinkled paper.
Poor text and graphic quality at the edges of the page	Unless you are using the borderless feature, use these minimum print margin settings: • Left and right margins: − 6.35 mm (0.25 inches) for all paper except A4 − 3.175 mm (0.125 inches) for A4 size paper • Top margin: 1.7 mm (0.067 inches) • Bottom margin: 19 mm (0.75 inches)

Checking the All-In-One status

Check the All-In-One status to make sure a document is not being held or paused and that the All-In-One is set as the default printer. To check the status:

1 Click **Start → Settings → Printers and Faxes** or **Printers**.

   or

   Click **Start → Control Panel → Printers and Other Hardware → Printers and Faxes**.

2 Double-click the **Lexmark 2300 Series** icon.

3 Click **Printer**, and make sure no check mark appears next to Pause Printing.

4 Make sure a check mark does appear next to Set As Default.

Scan and copy troubleshooting

Symptom	Solution
Scanner or copier does not respond	If the ⏻ button light is not on, see
	Make sure the computer is on.
	1 Check the USB cable for any obvious damage. 2 Firmly plug the rectangular end of the USB cable into the USB port of the computer. The USB port is marked with the USB symbol. 3 Firmly plug the square end of the USB cable into the back of the All-In-One.
	Make sure the All-In-One is set as the default printer and is not on hold or paused. For more information, see
	See
	If none of the previous options fix the problem, uninstall the All-In-One software and reinstall it. For more information, see
Scanner unit does not close	1 Lift the scanner unit. 2 Remove any obstruction keeping the scanner unit open. 3 While lifting the scanner unit, press the scanner support back until it slides into the slot, and close the scanner unit.

Symptom	Solution
Scanning takes too long or freezes the computer	Close all programs not being used.
	To change the scanning resolution to a lower value: 1 Click **Start → Programs → Lexmark 2300 Series → All-In-One Center**. 2 From the Scan area, click **See More Scan Settings**. 3 Click **Display Advanced Scan Settings**. 4 From the Scan Resolution area, select a lower number.
Poor quality from scan or copy feature including: • Blank page • Checkerboard pattern • Distorted graphics or pictures • Missing characters • Faded print • Dark print • Skewed lines • Smudges • Streaks • Unexpected characters • White lines in print	Be sure the document is placed face down on the scanner glass.
	See .
	Gently wipe the scanner glass with a damp, clean, lint-free cloth.
	Try using another version of the document or image.
	See .
	See .
	Replace the print cartridge with a new cartridge. For more information, see

Error messages troubleshooting

Error Message	Solution
Ink Low	Check the ink cartridge level, and install a new cartridge if necessary.
	To check the ink cartridge level, open the Lexmark Solution Center. See
	To install a new cartridge, see
	The Ink Low warning occurs when the cartridge is 25% full, 15% full, and 10% full.
Paper Jam	See
Paper Out	Load more paper into the All-In-One. For more information, see
Power light blinks twice	1 Open the scanner unit.
	2 Remove the print cartridge. For more information, see
	3 Close the scanner unit.
	4 If the blinking stops, reinstall the print cartridge.
	If the blinking continues, replace the print cartridge with a new one.
	For more information, see

Notices

Electronic emission notices

Federal Communications Commission (FCC) compliance information statement

The Lexmark 2300 Series All-In-One (4420-001) has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult your point of purchase or service representative for additional suggestions.

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

> **Note:** To assure compliance with FCC regulations on electromagnetic interference for a Class B computing device, use a properly shielded and grounded cable such as Lexmark part number 12A2405 for USB attach. 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 Lexmark Technology & Services
Lexmark International, Inc.
740 West New Circle Road
Lexington, KY   40550
(859) 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 de l'industrie du 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 directives 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

If this symbol appears on your product, the accompanying statement is applicable.

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ください。

Korean MIC statement

If this symbol appears on your product, the accompanying statement is applicable.

이 기기는 가정용으로 전자파적합등록을 한 기기로서 주거지역에서는 물론 모든 지역에서 사용할 수 있습니다.

This equipment has undergone EMC registration as a household product. It can be used in any area, including a residential area.

Noise emission levels

The following measurements were made in accordance with ISO 7779 and reported in conformance with ISO 9296.

1-meter average sound pressure, dBA	
Printing	50 or less
Idling	0

ENERGY STAR

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

Companies participating in this program introduce products 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.

Printer energy consumption

The following table documents the energy power consumption characteristics of the printer.

Mode	Description	Power consumption
Printing	Product is generating hard copy output from electronic inputs	12 W
Copying	Product is generating hard copy output from hard copy originals	10 W
Scanning	Product is scanning hard copy documents	6.6 W
Ready	Product is waiting for a print job	5 W
Off	All-In-One is plugged into a wall outlet, but switch is turned off	4.8 W

The power consumption levels listed in the previous table represent time-averaged measurements. Instantaneous power draws may be substantially higher than the average.

Power Saver

As part of the ENERGY STAR program, this printer is designed with an energy saving mode called Power Saver. The Power Saver Mode is equivalent to the EPA Sleep Mode. The Power Saver Mode saves energy by lowering power consumption during periods of inactivity. The period of time between the last operation and entering Power Saver is called the Power Saver Timeout. For this product, the Power Saver Mode is entered after 0 minutes. The Power Saver Timeout cannot be modified by the user.

Off modes

This printer has an off mode which still consumes a small amount of power. To completely stop printer power consumption, disconnect the power supply from the wall outlet.

Total energy usage

It is sometimes helpful to calculate the total printer energy usage. Since power consumption claims are provided in power units of Watts, the power consumption should be multiplied by the time the printer spends in each mode in order to calculate energy usage. The total printer energy usage is the sum of each mode's energy usage.

Waste from Electrical and Electronic Equipment (WEEE) directive

The WEEE logo signifies specific recycling programs and procedures for electronic products in countries of the European Union. We encourage the recycling of our products. If you have further questions about recycling options, visit the Lexmark Web site at **www.lexmark.com** for your local sales office phone number.

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