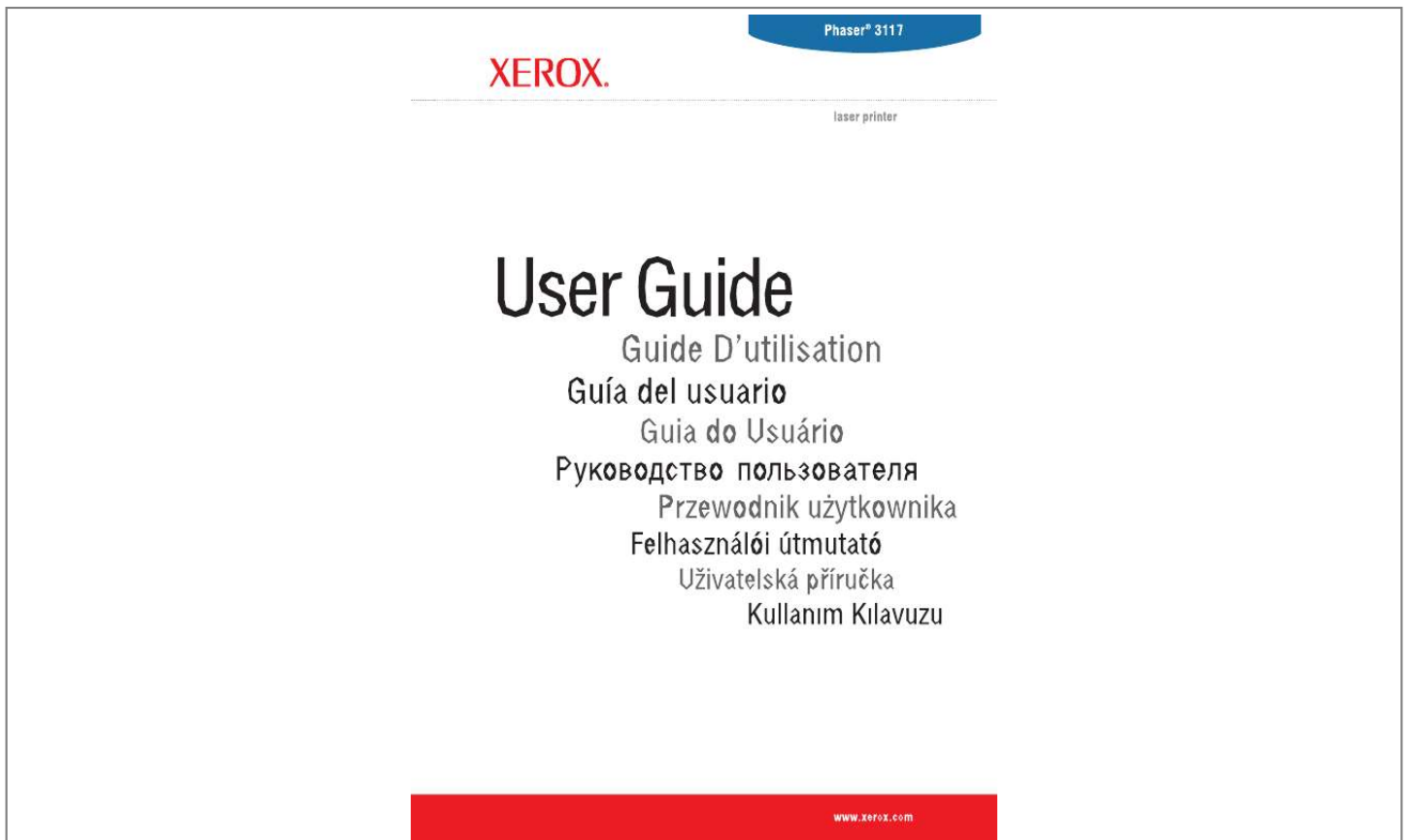




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You can read the recommendations in the user guide, the technical guide or the installation guide for XEROX PHASER 3117. You'll find the answers to all your questions on the XEROX PHASER 3117 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual XEROX PHASER 3117
User guide XEROX PHASER 3117
Operating instructions XEROX PHASER 3117
Instructions for use XEROX PHASER 3117
Instruction manual XEROX PHASER 3117



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Manual abstract:

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5 6.6 6.6 6.7 3 Important Precautions and Safety Information When using this machine, these basic safety precautions should always be followed to reduce risk of fire, electric shock, and injury to people: 1 Read and understand all instructions. 2 Use common sense whenever operating electrical appliances. 3 Follow all warnings and instructions marked on the machine and in the literature accompanying the machine. 4 If an operating instruction appears to conflict with safety information, heed the safety information. You may have misunderstood the operating instruction. If you cannot resolve the conflict, contact your sales or service representative for assistance. 5 Unplug the machine from the AC wall socket before cleaning.

Do not use liquid or aerosol cleaners. Use only a damp cloth for cleaning. 6 Do not place the machine on an unstable cart, stand or table. It may fall, causing serious damage. 7 Your machine should never be placed on, near or over a radiator, heater, air conditioner or ventilation duct. 8 Do not allow anything to rest on the power cable. Do not locate your machine where the cords will be abused by persons walking on them. 9 Do not overload wall outlets and extension cords. This can diminish performance, and may result in the risk of fire or electric shock. 10 Do not allow pets to chew on the AC power or PC interface cords.

11 Never push objects of any kind into the machine through case or cabinet openings. They may touch dangerous voltage points, creating a risk of fire or shock. Never spill liquid of any kind onto or into the machine. 12 To reduce the risk of electric shock, do not disassemble the machine. Take it to a qualified service technician when repair work is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly could cause electric shock when the unit is subsequently used. 13 Unplug the machine from the PC and AC wall outlet, and refer servicing to qualified service personnel under the following conditions: -When any part of the power cord, plug, or connecting cable is damaged or frayed. -If liquid has been spilled into the machine. -If the machine has been exposed to rain or water.

-If the machine does not operate properly after instructions have been followed. -If the machine has been dropped, or the cabinet appears damaged. -If the machine exhibits a sudden and distinct change in performance. 14 Adjust only those controls covered by the operating instructions. Improper adjustment of other controls may result in damage, and may require extensive work by a qualified service technician to restore the machine to normal operation.

15 Avoid using this machine during a lightning storm. There may be a remote risk of electric shock from lightning. If possible, unplug the AC power for the duration of the lightning storm. 16 If you continuously print multiple pages, the surface of the output tray may become hot. Be careful not to touch the surface, and keep children away from the surface.

17 SAVE THESE INSTRUCTIONS. 5 Environmental and Safety Consideration Laser Safety Statement The printer is certified in the U.S. to conform to the requirements of DHHS 21 CFR, chapter 1 Subchapter J for Class I(1) laser products, and elsewhere, is certified as a Class I laser product conforming to the requirements of IEC 825. Class I laser products are not considered to be hazardous. The laser system and printer are designed so there is never any human access to laser radiation above a Class I level during normal operation, user maintenance, or prescribed service condition. WARNING Never operate or service the printer with the protective cover removed from Laser/ Scanner assembly. The reflected beam, although invisible, can damage your eyes. When using this product, these basic safety precautions should always be followed to reduce risk of fire, electric shock, and injury to persons: 6 Ozone Safety During normal operation, this machine produces ozone. The ozone produced does not present a hazard to the operator.

However, it is advisable that the machine be operated in a well ventilated area. If you need additional information about ozone, please contact your nearest Xerox dealer. Power Saver This printer contains advanced energy conservation technology that reduces power consumption when it is not in active use. When the printer does not receive data for an extended period of time, power consumption is automatically lowered. The energy star emblem does not represent EPA endorsement of any product or service. Recycling Please recycle or dispose of the packaging material for this product in an environmentally responsible manner. Correct Disposal of This Product (Waste Electrical & Electronic Equipment) (Applicable in the European Union and other European countries with separate collection systems) This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life.



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To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract.

This product should not be mixed with other commercial wastes for disposal. **7 Radio Frequency Emissions FCC regulations** This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: · This device may not cause harmful interference, and · This device must accept any interference received, including interference that may cause undesired operation. This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These 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: 1 Reposition the receiving antenna. 2 Increase the separation between the equipment and receiver. 3 Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

4 Consult the dealer or an experienced radio/TV technician for help. **CAUTION:** Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment. **Canadian Radio Interference Regulations** This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the interference-causing equipment standard entitled "Digital Apparatus", ICES-003 of the Industry and Science Canada. Cet appareil numérique respecte les limites de bruits radioélectriques applicables aux appareils numériques de Classe B prescrites dans la norme sur le matériel brouilleur: "Appareils Numériques", ICES-003 éditée par l'Industrie et Sciences Canada. 8

Declaration of Conformity (European Countries) Approvals and Certifications The CE marking applied to this product symbolizes Xerox Corporation. **Declaration of Conformity with printer is printing the received data, the blinks green fast.** 1.6 **INTRODUCTION LED Description** If you press the button in Ready mode, this LED is on and the Toner Save mode is enabled. If you press this button once again, this LED is off and the Toner Save mode is disabled. If the and LEDs blink, your system has some problems.

To solve the problem, see "Troubleshooting Error Messages" on page 5.17 1 **Cancel(Function Printing demo page Manual feeding) button Description** In Ready mode, press and hold this button for about 2 g errors may occur when you print. Note: When printing text at 5% coverage, you can expect a toner cartridge life of approximately 3,000 pages (1,000 pages for the toner cartridge that is shipped with the printer). **SETTING UP YOUR PRINTER 2.6 Loading Paper** You can load approximately 150 sheets of paper in the tray. 1 Grasp the paper input tray and pull it toward you to open. Pinch the rear guide and pull it out to extend the tray. Note: Because the printer is very light, it may be moved when you use it; for example, when opening/closing the tray or installing/removing the toner cartridge. Be careful not to move the printer. 2 Prepare a stack of paper for loading by flexing or fanning them back and forth. Straighten the edges on a level surface. 2.7 **SETTING UP YOUR PRINTER 3 Load paper with the print side facing up.** 2 Make sure that all four corners are flat in the tray. 4 Pay attention not to overload paper.

Paper overloading may cause paper jams. 5 Pinch the rear guide to adjust for the paper length and pinch the side guide and slide it to the left flush against the paper. Notes: · Do not push the width guide far enough to cause the material to warp. · If you do not adjust the width guide, it may cause paper jam.

SETTING UP YOUR PRINTER 2.

8 **Connecting a Printer Cable** To print from your computer, you need to connect your printer to your computer with a Universal Serial Bus (USB) cable. Note: Connecting the printer to the USB port of the computer requires a certified USB cable. 1 Make sure that both the printer and the computer are turned off. 2 Plug the USB printer cable into the connector on the back of the printer. To the USB port on your computer 3 Connect the other end of the cable to the USB port on your computer. See your computer User's Guide if you need help. 2.9 **SETTING UP YOUR PRINTER Turning the Printer on** 1 Plug the power cord into the power receptacle on the back of the printer. 2 Plug the other end into a properly grounded AC outlet and turn on the printer using the power switch. 2 1 To the AC outlet **Cautions:** · The fusing area at the rear portion of the inside of your printer is hot when powered.

Be careful not to be burned when accessing this area. · Do not disassemble the printer when it is powered. Doing so may give you an electric shock. **SETTING UP YOUR PRINTER 2.10 Printing a Demo Page** Print a demo page to make sure that the printer is operating correctly. 1 Press and hold down the button on the control panel for about 2 seconds to print a demo page. 2 The Demo page shows the printer's current configuration. 2.11 **SETTING UP YOUR PRINTER Installing Printer Software** You must install software using the supplied CD-ROM after you have set up your machine and connected it to your computer. For details, see Software User Guide.

Printer driver for Windows Use this driver to take full advantage of your printer's features. For details, see Software User Guide. **System Requirements** Your machine supports following operating system. · Windows 98/Me/2000/XP - The following table shows Windows requirements. Item Operating System Requirements Windows 98/Me/2000/XP Windows 98/Me/2000 CPU Windows XP RAM Windows 98/Me/2000 Windows XP Windows 98/Me/2000 Windows XP 5.

0 or higher Pentium II 400 MHz or higher Pentium III 933 MHz or higher 64 MB or higher 128 MB or higher 300 MB or higher 1 GB or higher 2 Free Disk Space Internet Explorer **NOTE:** For Windows 2000/XP, the system administrator should install the software.



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Printer driver for Linux You can print in Linux using your machine. · Various Linux - See Software User Guide. SETTING UP YOUR PRINTER 2.12 2.13 SETTING UP YOUR PRINTER 3 Using Print Materials This chapter will help you understand types of paper you can use with this printer and how to properly load paper in the tray for the best print quality. This chapter includes: · Choosing Paper and Other Materials · Verifying the Output Location · Loading Paper · Printing on Special Materials · Canceling a Print Job Choosing Paper and Other Materials You can print on a variety of print materials, such as plain paper, envelopes, labels, transparencies and so on. See "Paper Specifications" on page 6.3. To get the best possible print quality, use only high-quality copier-grade paper. When you choose print materials, consider the followings: · Desired outcome: The paper you choose should be appropriate for the project. · Size: You can use any size paper that fits easily within the paper adjusters of the paper feeder. · Weight: Your printer supports paper weight as follows: · 16~24 lbs (60~90 g/m²) bond for the tray · 16~43 lbs (60~165 g/m²) bond for the manual feed · Brightness: Some papers are whiter than others and produce sharper, more vibrant images. · Surface smoothness: The smoothness of the paper affects how crisp the printing looks on the paper. Caution: Using a material that does not conform to the specification listed in the paper specification can cause problems that may require service.

This service is not covered by the warranty or service agreements. 3.2 USING PRINT MATERIALS Type and Capacities Paper Type Plain paper Envelopes Labels Transparency films Capacity a. Maximum capacity may be reduced depending on the paper thickness. b. If you load more than one sheet, paper jams will occur. You must load only one sheet at a time in the tray. 3 Guidelines for Paper and Special Materials When selecting or loading paper, envelopes, or other special material, keep these guidelines in mind: · Attempting to print on damp, curled, wrinkled, or torn paper can cause paper jams and the poor print quality. · Use only high quality copier grade paper for the best print quality. · Avoid paper with embossed lettering, perforations, or a texture that is too smooth or too rough.

Paper jams may occur. · Store paper in its ream wrapper until you are ready to use. Place cartons on pallets or shelves, not on the floor. Do not place heavy objects on top of the paper, whether it is packaged or unpackaged. Keep it away from moisture, or other conditions that can cause it to wrinkle or curl. · Store unused materials at temperatures between 15 oC and 30 oC (59 oF to 86 oF). The relative humidity should be between 10 % and 70 %. · During storage, you should use moisture-proof wrap, such as any plastic container or bag, to prevent dust and moisture from contaminating your paper. · Load special paper types one sheet at a time. · Only use materials specifically recommended for use in laser printers. · To prevent special materials, such as transparencies and label sheets from sticking together, remove them as they prints out. USING PRINT MATERIALS 3.3 · For envelopes: - Use only well-constructed envelopes with sharp, well creased folds. - Do not use envelopes with clasps and snaps. - Do not use envelopes with windows, coated lining, selfadhesive seals, or other synthetic materials. - Do not use damaged or poorly made envelopes. - Only use envelopes recommended for laser printers. Before loading envelopes in the tray, make sure that they are undamaged and are not stuck together. - Do not feed stamped envelopes. · For transparencies: - Place them on a flat surface after removing them from the printer.

- Do not leave them in the paper tray for long periods of time. Dust and dirt may accumulate on them resulting in spotty printing. - To avoid smudging caused by fingerprints, handle them and coated paper carefully. - To avoid fading, do not expose the printed transparencies to prolonged sunlight. - Only use transparencies recommended for use in laser printers. - Ensure that transparencies are not wrinkled, curled, or have any torn edges. · For labels: - Verify that their adhesive material can tolerate fusing temperature of 180 oC (356o F) for 0.1 second. - Make sure that there is no exposed adhesive material between them. Exposed areas can cause labels to peel off during printing, which can cause paper jams.

Exposed adhesive can also cause damage to machine components. - Do not load a sheet of them through the printer more than once. The adhesive backing is designed for one pass through the machine. - Do not use labels that are separating from the backing sheet or are wrinkled, bubbled, or otherwise damaged. - Only use labels recommended for laser printers.

3.4 USING PRINT MATERIALS · For Card Stock or Custom-sized materials: - Postcards, 3.5 by 5.83 in.(index) cards and other customized materials can be printed with this printer.

The minimum size is 76 by 127mm(3.0 by 5.0 in.) and the maximum size is 216 by 356mm(8.5 by 14 in.) - Always insert the short-edge into the Manual Feed first. If you want to print in landscape mode, make this selection through your software. Inserting paper long-edge first may cause a paper jam. - Do not print on media smaller than 76mm (3.0 in.

) wide or 127mm(5.0 in.) long. · For preprinted paper: - Letterheads must be printed with heat-resistant ink that will not melt, vaporize, or release hazardous emissions when subjected to the printer's fusing temperature of 205 °C (400 °F) for 0.1 second. - Ink on letterheads must be non-flammable and should not adversely affect any printer rollers. - Forms and letterheads should be sealed in a moisture-proof wrapping to prevent changes during storage. - Before you load preprinted paper as forms and letterheads, verify that the ink on the paper is dry. During the fusing process, wet ink can come off preprinted paper. · Do not use Carbonless paper and Tracing paper.

Use of these types of paper could result in chemical smells and could damage your printer. 3 USING PRINT MATERIALS 3.5 Verifying the Output Location The printer has the paper output tray that collects paper facedown, in correct order. Notes: · If you continuously print many pages, the surface of the output tray may become hot. Be careful not to touch the surface, and especially keep children away from the surface.

· The front output tray can hold up to 50 sheets of paper. Remove the pages so that the tray is not overloaded. Loading Paper Proper paper loading helps prevent paper jams and ensure trouble-free printing. Do not remove the paper in the tray while a job is printing. Doing so may cause a paper jam. See "Type and Capacities" on page 3.



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3 for acceptable paper size and capacity for the tray. Using the Tray The tray holds 150 sheets of paper. See "Type and Capacities" on page 3.3 for acceptable paper size and capacity of the tray. Load a stack of paper into the tray and print. For details about loading paper in the tray, see "Loading Paper" on page 2.7. 3.6 USING PRINT MATERIALS Using Manual Feed Mode If you select Manual Feed in the Source option, you can manually load paper in the tray.

Manually loading paper can be helpful when you want to check the print quality after each page is printed. If you experience a paper jam from the tray, load one sheet of paper at a time into the tray. 1 Load the print material in the tray with the print side up. 3 Adjust the paper guide against the print material without bending the paper. 2 When you print a document, you must select Manual Feed for Source from the software application, and then select the correct paper size and type. For details, see Software User Guide. 3 Press the button on the printer to start feeding. Note: If you don't press the button after a pause, the paper will be automatically fed into the printer. 4 Printing is started. 5 If you are printing multiple pages, load the next sheet after the first page prints out, and press the Repeat this step for every page to be printed.

button. USING PRINT MATERIALS 3.7 Printing on Special Materials 1 Open the paper input tray. 2 Load the print material in the paper input tray. Do not mix types.

See the following directions to load each type of print material. ·Load the envelopes in the tray with the flap side down. The stamp area is on the left side and the end of the envelope with the stamp area enters the printer first and center of the tray. Cautions: If you print 20 envelopes in succession, the surface of the top cover may become hot. Please exercise caution.

·Load labels in the tray with print side up. Note: To prevent labels from sticking to each other, do not let the printed label sheets stack up as they are printed out. 3.8 USING PRINT MATERIALS ·Load transparencies in the tray with print side up, and the top with the adhesive strip going first. 3 Notes: · To prevent transparencies from sticking to each other, do not let the printed sheets stack up as they are printed out. · Place transparencies on a flat surface after removing them from the printer. · Do not use transparencies that are separating from the backing sheet. ·Load card stock with print side up, short edge first and center of the tray. ·Load letterheads in the tray with the design face up, top edge towards the printer. USING PRINT MATERIALS 3.

9 3 Adjust the side guide to the edge of the material. 4 When you print on special material, you must select Manual Feed for Source from the software application, and then select the correct paper size and type. For details, see Software User Guide. 5 Press the button to start feeding. Canceling a Print Job There are two ways to cancel a print job. To stop a print job from the Control Panel Press the button on the control panel. The printer will finish printing the page that is moving through the printer and delete the rest of the print job. Pressing the button cancels only the current job in the printer. If more than one print job is in the printer memory, the button must be pressed once for each job. 3.

10 USING PRINT MATERIALS To stop a print job from the Printers folder 1 From the windows Start menu, select Settings. 2 Select Printers to open the Printers window, and doubleclick the your printer icon. 3 From the Document menu, select Cancel Printing (Windows 98/Me) or Cancel (Windows 2000/XP).

In Manual Feed mode, you can't cancel a print job by pressing the button. To cancel a print job in Manual Feed mode: 3 1 Turn the printer off.

2 Double-click the icon at right bottom of the window. Double-click this icon to view the queue of the print jobs. 3 Select a job you want to cancel. 4 For Windows 98/Me, select Cancel Printing from Document menu. For Windows 2000/XP, select Cancel from Document menu.

5 When the jobs are removed from the list, turn the printer on. USING PRINT MATERIALS 3.11 4 Maintaining Your Printer This chapter provides suggestions for maintaining the toner cartridge and the printer. This chapter includes: · Maintaining the Toner Cartridge · Using the Toner Save Mode · Cleaning the Printer · Consumables and Replacement Parts Maintaining the Toner Cartridge Toner cartridge storage To get the maximum results from the toner cartridge, keep the following guidelines in mind. · Do not remove the toner cartridge from its package until ready for use. · Do not refill the toner cartridge. The printer warranty does not cover damage caused by using a refilled cartridge. · Store toner cartridges in the same environment as the printer. · To prevent damage to the toner cartridge, do not expose it to light for more than few minute. Toner cartridge life expectancy The life of the toner cartridge depends on the amount of toner that print jobs require.

When printing text at 5% coverage, a new toner cartridge lasts an average of 3,000 pages. (The original toner cartridge supplied with the printer lasts an average of 1,000 pages.) 4 Saving toner To save toner, press the button on the printer control panel. The LED will be lit. You can also enable the Toner Save mode in the printer properties. For details, see Software User Guide. Selecting this option will extend the life of the toner cartridge and reduce your cost per page, but will reduce the print quality. MAINTAINING YOUR PRINTER 4.2 Redistributing Toner When toner is low, faded or light areas may appear on a printed page. You may be able to temporarily improve the print quality by redistributing the toner.

The following procedures may allow you to finish the current print job before replacing the toner cartridge. 1 Open the front cover. 2 Pull the toner cartridge out and remove it from the printer. Cautions: · Avoid reaching too far into the printer. The fusing area may be hot.

· To prevent damage to the toner cartridge, do not expose it to light for more than few minutes. · Do not touch the green underside of the toner cartridge. Use the handle on the cartridge to avoid touching this area. 4.3 MAINTAINING YOUR PRINTER 3 Gently shake the toner cartridge from side to side five or six times to redistribute the toner.

Note: If the toner gets on your clothing, wipe it off with a dry cloth and wash clothing in cold water. Hot water sets toner into fabric. 4 Reinsert the toner cartridge into the printer. Ensure that the toner cartridge snaps into place. 4 5 Close the front cover. Make sure that the cover is securely closed. If it is not firmly closed, printing errors may occur when you print.



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MAINTAINING YOUR PRINTER 4.4 Replacing the Toner Cartridge If the print remains light after redistributing toner (see page 4.3), replace the toner cartridge.

Remove the old cartridge and install a new toner cartridge. See "Installing the Toner Cartridge" on page 2.4. Using the Toner Save Mode The Toner Save mode allows the printer to use less toner on each page. Selecting this option will extend the life of your toner cartridge and reduce your cost per page, but will reduce print quality. There are two ways to enable the Toner Save mode: From the Control Panel Press the button on the control panel. The printer must be in Ready mode (green LED is on). · If the LED is on, the mode is enabled and the printer uses less toner to print a page. · If the LED is off, the mode is disabled and the printer prints in the normal mode. From the Printer Properties You can also enable the Toner Save mode in the Graphic tab of the printer properties. For details, see Software User Guide.

4.5 MAINTAINING YOUR PRINTER Cleaning the Printer To maintain the print quality, follow the cleaning procedures below each time the toner cartridge is replaced or if print quality problems occur. Note: While cleaning the inside of the printer, be careful not to touch the transfer roller (located underneath the toner cartridge). Oil from your fingers can cause print quality problems.

Caution: Cleaning the cabinet of the printer with surfactants containing large amounts of alcohol, solvent or other strong substances can discolor or crack the cabinet. **Cleaning the Outside** Wipe the outside surface of the printer with a soft, clean, lintfree cloth. You can dampen the cloth slightly with water, but be careful not to let any water drip onto the printer or inside of it. **4 Cleaning the Inside** During the printing process, paper, toner, and dust particles can accumulate inside the printer. This buildup can cause print quality problems, such as toner specs or smearing.

Cleaning the inside of the printer will eliminate or reduce these problems. **Cleaning inside the printer** 1 Turn the printer off and unplug the power cord, then wait for the printer to cool. 2 Open the front cover. **MAINTAINING YOUR PRINTER 4.6 3 Pull the toner cartridge out and remove it from the printer.** 4 With a dry, lint-free cloth, wipe away any dust and spilled toner from the toner cartridge area and the toner cartridge cavity. Note: To prevent damage to the toner cartridge, do not expose it to light for more than few minute. Cover it with a piece of paper, if necessary. Also, do not touch the black transfer roller inside the printer.

5 Locate the long strip of glass (LSU) inside the top of the cartridge compartment, and gently swab the glass to see if dirt turns the white cotton black. **4.7**

MAINTAINING YOUR PRINTER 6 Reinsert the toner cartridge and close the cover. Make sure that the cover is securely closed. If it is not firmly closed, printing errors may occur when you print. 7 Plug in the power cord, and turn the printer on. **4 MAINTAINING YOUR PRINTER 4.8 Consumables and Replacement Parts** From time to time, you will need to replace the roller and fuser unit to maintain top performance and avoid print quality problems and paper feed problems resulting from worn parts. The following items should be replaced after you have printed a specified number of pages. See the table below.

Items Transfer Roller Pick-up Roller Fuser Unit Yield (Average) Approx. 50,000 pages Approx. 50,000 pages Approx. 50,000 pages To purchase the consumables and replacement parts, contact Xerox dealer or the place where you bought your product. We strongly recommend that items be installed by a trained service personnel.

4.9 MAINTAINING YOUR PRINTER 5 Solving Problems This chapter provides helpful information for what to do if you encounter an error while using your printer. This chapter includes: · Troubleshooting Checklist · Solving General Printing Problems · Clearing Paper Jams · Solving Print Quality Problems · Troubleshooting Error Messages · Common Windows Problems · Common Linux Problems **Troubleshooting Checklist** If the printer is not working properly, consult the following checklist. If the printer does not pass a step, follow the corresponding troubleshooting suggestions. Check Check the power cord and the power switch.

Make sure that the LED is on. **Solution** Check the power source by plugging into another outlet. In the Ready mode, the LED lights green. If the LED lights red or blinks, go to "Troubleshooting Error Messages" on page 5.17. · If a demo page does not print, check the paper supply in the input tray. · If the paper jams in the printer, go to "Clearing Paper Jams" on page 5.6. If there is a print quality problem, go to "Solving Print Quality Problems" on page 5.11.

Press and hold the button to print a demo page. Check the demo page to see if it is printed correctly. Print a short document from a software application to verify that the computer and printer are connected and are communicating correctly. · If the page does not print, check the cable connection between the printer and the computer. · Check the print queue or print spooler to see if the printer has been paused. · Check the software application to ensure you are using the proper printer driver and communication port. If the page is interrupted during printing, go to "Solving General Printing Problems" on page 5.3. · "Solving General Printing Problems" on page 5.3.

· "Troubleshooting Error Messages" on page 5.17. · "Common Windows Problems" on page 5.18 · "Common Linux Problems" on page 5.19 If completing the checklist does not resolve the printer problem, check the following troubleshooting sections.

5.2 SOLVING PROBLEMS Solving General Printing Problems For problems with the operation of your printer, refer to the table for suggested solutions.

Problem The Printer does not print. **Possible Cause** The printer is not receiving power. The printer is not selected as the default printer.

Check the printer for the following: · The printer cover is not closed. · Paper is jammed. · No paper is loaded. · The toner cartridge is not installed. · The installed toner cartridge is the wrong toner cartridge. The printer may be in Manual Feed mode. **Solution** Check the power cord connections. Check the power switch and the power source. Select your printer in the printer folder in Windows as your default printer. After location the problem, clear it.

· Close the door. · Clear the paper jam. See "Clearing Paper Jams" on page 5.6. · Load paper. See "Loading Paper" on page 2.7. · Install the toner cartridge. See "Installing the Toner Cartridge" on page 2.4.

If the problem persists, contact your service representative.



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Add paper to the tray and press the button on the printer's control panel to begin printing. Disconnect the printer cable and reconnect it. 5 The connection cable between the computer and the printer is not connected properly. The connection cable between the computer and the printer is defective.

The port setting is incorrect. If possible, attach the cable to another computer that is working properly and print a job. You can also try using a different printer cable. Check the Windows printer setting to make sure that the print job is sent to the correct port. If the computer has more than one port, make sure that the printer is attached to the correct one.

Check the printer properties to ensure that all print settings are correct. The printer may be configured incorrectly. SOLVING PROBLEMS 5.3 Problem The printer does not print. (continued) Possible Cause The printer driver may be incorrectly installed. The printer is malfunctioning. Solution Reinstall the printer driver; see Software User Guide. Try printing a demo page. Check the LEDs on the control panel to determine if the printer is indicating a system error.

Remove paper from the tray and reload it correctly.

Remove excess paper from the tray. Use only paper that meets the specifications required by the printer. Reduce the complexity of the page or try adjusting the print quality settings. The maximum print speed of the printer is 16(A4) or 17(Letter) pages per minute. Paper does not feed into the printer. Paper has not been loaded correctly. There is too much paper in the tray. The paper is too thick. Print job is extremely slow. The job may be very complex.

If using Windows 98/Me, the Spooling Setting may be set incorrectly. From the Start menu, choose Settings and Printers. Right-click the your printer icon, choose Properties, click the Details tab, and then choose the Spool Settings button. Select the desired spool setting. Simplify the page layout and remove any unnecessary graphics from the document.

Change the page orientation in your application. Ensure that the paper size in the print settings matches the paper in the tray. Remove excess paper from the tray. If printing on special materials, use the manual feed mode. Use only paper that meets the specifications required by the printer.

Open the front cover and remove the debris. Half the page is blank. The page layout is too complex. The page orientation setting may be incorrect. The paper size and the paper size settings do not match. The paper keeps jamming. There is too much paper in the paper tray. An incorrect type of paper is being used.

There may be debris inside the machine. 5.

4 SOLVING PROBLEMS Problem The printer prints, but the text is wrong, garbled, or incomplete. Possible Cause The printer cable is loose or defective.

Solution Disconnect the printer cable and reconnect. Try a print job that you have already printed successfully. If possible, attach the cable and printer to another computer and try a print job that you know works. Finally, try a new printer cable. Check the application's printer selection menu to ensure that your printer is selected. Try printing a job from another application. Redistribute the toner, if necessary. See page 4.

3. If necessary, replace the toner cartridge. Check the file to ensure it does not contain blank pages. Contact a service representative. The wrong printer driver was selected.

The software application is malfunctioning. Pages print, but are blank. The toner cartridge is defective or out of toner. The file may have blank pages. Some parts, such as the controller or the board, may be defective.

5 ATTENTION: If you have any printing problem after your printer prints about 50,000 pages, you must contact the customer service to replace the transfer roller. SOLVING PROBLEMS 5.5 Clearing Paper Jams Occasionally, paper can be jammed during a print job. Some of causes include: · The tray is overfilled. · The front cover has been opened during a print job. · Paper that does not meet paper specifications has been used. See "Paper Specifications" on page 6.3. · Paper that is outside of the supported size range has been used. See "Paper Specifications" on page 6.

3. If a paper jam occurs, the LED on the control panel lights red. Find and remove the jammed paper. If it is invisible, look inside the printer. 5.6 SOLVING PROBLEMS In the Paper Exit Area Note: Paper jams in this area may result in loose toner on the page. If you get any toner on your clothes, wash them in cold water as hot water will set the toner into the fabric. 1 If the paper jams as it exits to the output tray and a long portion of the paper is visible, pull the paper straight out. 2 When you pull the jammed paper, if there is resistance and the paper does not move immediately, stop pulling. Continue with the next step.

Open the top cover and the inner cover. 5 Cautions: · When removing the jammed paper, be careful not to touch the heat roller (located underneath the inner cover). It is hot and could cause burns! · The top and inner cover themselves may also be hot due to the heat roller. Allow the printer to cool before opening the covers. SOLVING PROBLEMS 5.

7 3 Loosen the paper if it is caught in the heat rollers. Then pull the paper gently out. 4 Close the inner cover and the top cover. Printing resumes automatically. Note: Failed pages will not reprint.

Try printing the pages. 5.8 SOLVING PROBLEMS In the Paper Feed Area 1 Remove any missfeed paper by pulling it out by the visible edge from the tray.

Make sure that all of the paper is properly aligned in the tray. 2 Open and close the front or top cover to resume printing the document from failed pages. Around the Toner Cartridge 1 Open the front cover. 5 2 Pull the toner cartridge out and remove it from the printer. SOLVING PROBLEMS 5.9 3 Gently pull the paper toward you. 4 Check that there is no other paper in the printer.

5 Reinstall the toner cartridge and close the front cover. Your printer resumes printing the document from failed pages. 5.10 SOLVING PROBLEMS Tips for Avoiding Paper Jams By selecting the correct paper types, most paper jams can be avoided. If a paper jam occurs, follow the steps outlined in "Clearing Paper Jams" on page 5.6. · Follow the procedures in "Loading Paper" on page 2.7. Ensure that the adjustable guides are positioned correctly. · Do not overload the tray.

· Do not remove the paper from the tray while printing. · Flex, fan and straighten the paper before loading. · Do not use creased, damp or highly curled paper. · Do not mix paper types in the input tray. · Use only recommended print media.

See "Paper Specifications" on page 6.3. · Ensure that the recommended print side is facing up when loading paper into the input tray. Solving Print Quality Problems Print Quality Checklist Print quality problems can be resolved by following the checklist below.



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· Redistribute toner in the toner cartridge (see page 4).

3). · Clean the inside of the printer (see page 4.6). · Adjust the print resolution from the printer properties (see Software User Guide). · Ensure that the Toner Save mode is off (see Software User Guide and page 4.5). · Clear general printing problems (see page 5.3). · Install a new toner cartridge, and check the print quality (see page 2.4).

5 SOLVING PROBLEMS 5.11 Solving Print Quality Problems Problem Light or faded print Solution If a vertical white streak or faded area appears on the page: · The toner supply is low. You may be able to temporarily extend the toner cartridge life. See "Redistributing Toner" on page 4.3. If this does not improve the print quality, install a new toner cartridge. · The paper may not meet paper specifications (for example, the paper is too moist or too rough). See "Paper Specifications" on page 6.3. · If the entire page is light, the print resolution setting is too light or the Toner Save mode is on.

Adjust the print resolution and the Toner Save mode in the printer properties. For details, see Software User Guide. · A combination of faded or smeared defects may indicate that the toner cartridge needs cleaning. See "Cleaning the Inside" on page 4.6.

· The surface of the LSU part inside the machine may be dirty. Clean the LSU. See "Cleaning the Inside" on page 4.6. Contact a service representative. · The paper may not meet specifications (for example, the paper is too moist or too rough). See "Paper Specifications" on page 6.3. · The transfer roller may be dirty. See "Cleaning the Inside" on page 4.6. · The paper path may need cleaning. See "Cleaning the Inside" on page 4.6. If faded areas, generally rounded, occur randomly on the page: · A single sheet of paper may be defective.

Try reprinting the job. · The moisture content of the paper is uneven or the paper has moist spots on its surface. Try a different brand of paper. See "Paper Specifications" on page 6.3. · The paper lot is bad. The manufacturing processes can cause some areas to reject toner. Try a different kind or brand of paper. The toner cartridge may be defective. See "Vertical repetitive defects" on the next page.

· If these steps do not correct the problems, contact a service representative. Toner specs Dropouts **5.12 SOLVING PROBLEMS Problem Vertical lines Solution** If black vertical streaks appear on the page: · The drum inside the toner cartridge has probably been scratched. Install a new toner cartridge. If white vertical streaks appear on the page: · The surface of the LSU part inside the machine may be dirty.

Clean the LSU. See "Cleaning the Inside" on page 4.6. Contact your service representative. Gray background If the amount of background shading becomes unacceptable, the procedures below may fix the problem.

· Change to a lighter weight pages. See "Paper Specifications" on page 6.3. · Check the printer's environment; very dry (low humidity) or high humidity (higher than 80% RH) conditions can increase the amount of background shading. · Remove the old toner cartridge and install a new one. See "Installing the Toner Cartridge" on page 2.4. · Clean the inside of the printer. See "Cleaning the Inside" on page 4.6.

· Check the paper type and quality. See "Paper Specifications" on page 6.3. · Remove the toner cartridge and install a new one. See "Installing the Toner Cartridge" on page 2.4. Toner smear **5 Vertical repetitive defects** If marks repeatedly appear on the printed side of the page at even intervals: · The toner cartridge may be damaged. Clean the inside of the printer. See "Cleaning the Inside" on page 4.6.

After cleaning the inside of the printer, if you still have the same problems, install a new toner cartridge. See "Installing the Toner Cartridge" on page 2.4. ·

Parts of the printer may have toner on them. If the defects occur on the back of the page, the problem will likely correct itself after a few more pages.

· The fusing assembly may be damaged. Contact a service representative. **SOLVING PROBLEMS 5.13 Problem Background scatter Solution** Background scatter results from bits of toner distributed on the printed page. · The paper may be too damp.

Try printing with a different batch of paper. Do not open packages of paper until necessary so that the paper does not absorb too much moisture. · If background scatter occurs on an envelope, change the printing layout to avoid printing over areas that have overlapping seams on the reverse side. Printing on seams can cause problems. · If background scatter covers the entire surface area of a printed page, adjust the print resolution through your software application or the printer properties. · If characters are improperly formed and producing hollow images, the paper stock may be too slick. Try a different paper. See "Paper Specifications" on page 6.3. Misformed characters Page skew · Check the paper type and quality.

See "Paper Specifications" on page 6.3. · Ensure that the paper or other material is loaded correctly and the guides are not too tight or too loose against the paper stack. Curl or wave · Check the paper type and quality. Both high temperature and humidity can cause paper curl. See "Paper Specifications" on page 6.3. · Turn over the stack of paper in the input tray. Also try rotating the paper 180° in the input tray. 5.

14 SOLVING PROBLEMS Problem Wrinkles or creases Solution · Ensure that the paper is loaded properly. · Check the paper type and quality. See "Paper Specifications" on page 6.3. · Turn over the stack of paper in the input tray.

Also try rotating the paper 180° in the feeder. Back of printouts are dirty · The transfer roller may be dirty. See "Cleaning the Inside" on page 4.6. · Check for leaking toner.

Clean the inside of the printer. Black pages · The toner cartridge may not be installed properly. Remove the cartridge and reinsert. · The toner cartridge may be defective and need replacing. Install a new toner cartridge. · The printer may require repair. Contact a service representative. **5 Loose toner** · Clean the inside of the printer. · Check the paper type and quality. See "Paper Specifications" on page 6.

3. · Install a new toner cartridge. · If the problem persists, the printer may require repair. Contact a service representative. **SOLVING PROBLEMS 5.15 Problem Character Voids Solution** Character voids are white areas within the parts of characters that should be solid black: · If you are using transparencies, try another type of transparency.



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Because of the composition of the transparency, some character voids are normal. · You may be printing on the wrong surface on the paper. Remove the paper and turn it around. · The paper may not meet paper specifications.

See "Paper Specifications" on page 6.3. If horizontally aligned black streaks or smears appear: · The toner cartridge may be installed improperly. Remove the cartridge and reinsert. · The toner cartridge may be defective.

Install a new toner cartridge. See "Installing the Toner Cartridge" on page 2.4. · If the problem persists, the printer may require repair. Contact a service representative.

If the printed paper is curl or paper does not feed into the printer: · Turn over the stack of paper in the input tray. Also try rotating the paper 180° in the input tray. Horizontal stripes Curl 5.16 SOLVING PROBLEMS Troubleshooting Error Messages When the printer experiences an error, the control panel will indicate an error message with the indicator lights. Find the light pattern below that matches the printer light pattern and follow the solutions to clear the error. LED status legend symbol for "light off" symbol for "light on" symbol for "light blinking" LED pattern Possible Problems and Solutions Your system has some problems. If this problem occurs, contact your service representative. 5 LED lights red · Paper jam occurs. To solve the problem, see "Clearing Paper Jams" on page 5.6.

· The front cover is open. Close the front cover. · Paper tray is empty. Load the paper in the Tray. · The toner cartridge is out of toner. Remove the old toner cartridge and install a new one. See "Installing the Toner Cartridge" on page 2.4. · You pressed the button while the printer is receiving data. · In Manual Feed mode, there is no paper in the tray.

Load paper into the tray. · If the printer is receiving data, the green LED slowly blinks LED · If the printer is printing the received data, the blinks green fast. SOLVING PROBLEMS 5.17 Common Windows Problems Problem "File in Use" message appears during installation.

"General Protection Fault", "Exception OE", "Spool32", or "Illegal Operation" messages appear. Possible Cause and Solution Exit all software applications. Remove all software from the StartUp Group, then restart Windows. Reinstall the printer software. Close all other applications, reboot Windows, and try printing again.

Note: Refer to Microsoft Windows 98, Me, 2000 or XP User's Guide that came with your PC for further information on Windows error messages. 5.18 SOLVING PROBLEMS Common Linux Problems Problem I can't change settings in the configuration tool. I am using the KDE desktop but the configuration tool and LLPR won't start. I just installed this package but can't find entries in the KDE/ Gnome menus. @@@@Maybe you do not have the GTK libraries installed. @@@@LPD systems identify the default queue as the one named 'lp'. Thus if there is already a queue by this name, and if it doesn't have any alias, then you won't be able to change the default. To work around this, you can either delete the queue, or rename it by manually editing the / etc/printcap file. I can't make a printer the system default.

5 SOLVING PROBLEMS 5.19 Problem The N-up setting does not work correctly for some of my documents. Possible Cause and Solution The N-up feature is achieved through post-processing of the PostScript data that is being sent to the printing system.

@@@@@@Try upgrading to the latest version of CUPS (at least 1.1.14). @@@@These options will always be used if not overridden by LLPR settings. @@@@Unfortunately, some Unix applications may generate noncompliant PostScript output that may not be supported by Ghostscript, or even the printer itself in PostScript mode. You can try to capture the output to a file and view the results with Ghostscript (gv or ghostview will allow you to do so interactively) and see if you get error messages. However, since the application is at probably fault, contact your software vendor to inform them of the issue.

Some documents come out as white pages when printing. I have CUPS and some options (such as N-up) seem to be always enabled even though I don't pick them in LLPR. I configured a printer to print to a file, but I get "Permission denied" errors. On my PCL (or SPL) printer, I sometimes get error messages printing instead of my document. 5 SOLVING PROBLEMS 5.

21 5.22 SOLVING PROBLEMS 6 Specifications This chapter includes: · Printer Specifications · Paper Specifications Printer Specifications Item Print Speed Resolution First Printing Time Warmup Time Power Rating Power Consumption a Specifications and Description Up to 16 ppm in A4 (17 ppm in Letter) 600 x 600 dpi 10 seconds (from Ready) 30 seconds AC 110 - 127 V (USA, Canada) / 220 - 240 V (Others), 50 / 60 Hz 300 W average during operation / Less than 10 W in sleep mode Stand by: Less than 30 dB; Printing: Less than 50 dB Sleep mode: Background noise Single cartridge c Acoustic Noise Toner Supply b Toner Cartridge Life Duty Cycle Weight Package Weight 3,000 pages at ISO 19752 5% coverage (Ships with 1,000 pages Starter Toner Cartridge) Monthly: Up to 5,000 pages 5.5 Kg (including Toner Cartridge) Paper: 1.2 kg Plastic: 0.2 kg 354 x 297.

4 x 210 mm / 13.9 x 11.7 x 8.3 in. Temperature: 10 ~ 32 °C / 50 ~ 90 °F; Humidity: 20 ~ 80 % RH GDI 8 MB (non expandable) Windows font USB 1.1 (Compatible with USB 2.0) External Dimensions (W x D x H) Operating Environment Emulation Random Access Memory (RAM) Fonts Interface OS Compatibility d Windows 98/Me/2000/XP, Various Linux OS a. Print speed will be affected by Operating system used, computing performance, application software, connecting method, media type, media size and job complexity. b. Sound Pressure Level, ISO 7779.

c. The number of pages may be affected by operating environment, printing interval, media type, and media size. d. Please visit www.xerox.com to download the latest software version. 6.2 SPECIFICATIONS Paper Specifications Overview Your printer accepts a variety of print materials, such as cut-sheet paper (including up to 100% recycled fiber content paper), envelopes, labels, transparencies and custom-size paper. Properties, such as weight, composition, grain and moisture content, are important factors affecting the printer's performance and the output quality. Paper that does not meet the guidelines outlined in this User's Guide can cause the following problems: · Poor print quality · Increased paper jams · Premature wear on the printer.



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This may be the result of improper handling, unacceptable temperature and humidity levels, or other variables over which Xerox has no control. · Before purchasing large quantities of paper, ensure the paper meets the requirements specified in this User's Guide. Caution: Using paper that does not meet these specifications may cause problems, requiring repairs. These repairs are not covered by the Xerox warranty or service agreements.

6 SPECIFICATIONS 6.3 Supported Sizes of Paper Size (mm/in.) Plain paper Letter (216 x 279/8.5 x 11) A4 (210 x 297/8.3 x 11).

7) A5 (148 x 210/5.8 x 8.2) Executive (184 x 267/7.25 x 10.5) Legal (216 x 356/8.5 x 14) JIS B5 (182 x 257/7.2 x 10.1) ISO B5 (176 x 250/6.9 x 9.8) A6 (105 x 148/4.

1 x 5.8) Oficio (216 x 343/8.5 x 13.5) Folio (216 x 330/8.5 x 13) Envelopes No.10 (105 x 241/4.1 x 9.5) DL (110 x 220/4.3 x 8.7) C5 (162 x 229/6.4 x 9) C6 (114 x 162/4.5 x 6.4) Monarch (98 x 191/3.9 x 7.5) Labels Letter (216 x 279/8.

5 x 11) A4 (210 x 297/8.3 x 11.7) Transparency films Letter (216 x 279/8.5 x 11) A4 (210 x 297/8.3 x 11.

7) Card stocks Post Card (101.6 x 152.4/4 x 6) Minimum size (custom, 76 x 127/3 x5) Maximum size (Legal) 90 to 163 g/m2 138 to 146 g/m2 120 to 150 g/m2 1 sheet of paper for the manual feed mode 75 to 90 g/m2 a Weight Capacity b · 16 to 24 lb (60 to 90 g/m2 bond) for the paper tray · 16 to 43 lb (60 to 165 g/m2 bond) for the manual feed mode · 150 sheets of 20 lb (75 g/m2 bond) paper for the paper tray · 1 sheet of paper for the manual feed mode 16 to 43 lb (60 to 165 g/m2 bond) a. The printer supports a wide range of media sizes. b. Capacity may vary depending on print materials' weight and thickness, and environmental conditions. Note: You may experience jams when using print materials with a length of less than 127 mm (5 in.). For optimum performance, ensure that you are storing and handling the paper correctly. Please refer to "Printer and Paper Storage Environment" on page 6.

7. 6.4 SPECIFICATIONS Guidelines for Using Paper For the best result, use conventional 75 g/m2 (20 lb) paper. Ensure that the paper is of good quality, and free of cuts, nicks, tears, spots, loose particles, dust, wrinkles, voids, and curled or bent edges. If you are unsure of what type of paper you are loading (such as, bond or recycled), check the label on the package. @@@@ · Do not use raised or embossed letterhead. @@@@ Store paper flat in its moisture-proof wrapping. Use lighter paper, open the rear output tray. · Open the rear output tray. · Use long-grain paper.

Do not use paper with cutouts or perforations. @@@@ Heat works with humidity to damage paper. @@@@ As paper is opened and used, it loses moisture, causing streaks and smudging. Humid weather or water coolers can cause the humidity to increase in a room. As paper is opened and used it absorbs any excess moisture, causing light print and dropouts.

Also, as paper loses and gains moisture it can become distorted. This can cause paper jams. Care should be taken not to purchase more paper than can be used in a short time (about 3 months). Paper stored for long periods may experience heat and moisture extremes, which can cause damage. Planning is important to prevent damage to large supplies of paper.

Unopened paper in sealed reams can remain stable for several months before use. Opened packages of paper have more potential for environment damage, especially if they are not wrapped with a moisture-proof barrier. The paper storage environment should be properly maintained to ensure optimum printer performance. The required condition is 20° to 24°C (68° to 75°F), with a relative humidity of 45% to 55%. The following guidelines should be considered when evaluating the paper's storage environment: · Paper should be stored at or near room temperature. · The air should not be too dry or too humid. · The best way to store an opened ream of paper is to rewrap it tightly in its moisture-proof wrapping. If the printer environment is subject to extremes, unwrap only the amount of paper to be used during the day's operation to prevent unwanted moisture changes. 6 SPECIFICATIONS 6.7 INDEX C cancel, print 3.

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15 Chapter 4: SHARING THE PRINTER LOCALLY Setting Up a Host Computer

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..... 16 Setting Up a Client Computer .

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..... 16 Chapter 5: USING YOUR PRINTER IN LINUX System Requirements ...

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..... 17 Installing the Printer Driver

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..... 18 Changing the Printer Connection Method

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..... 19 Uninstalling the Printer Driver .

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.. 20 Using the Configuration Tool ...

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