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You can read the recommendations in the user guide, the technical guide or the installation guide for SAMSUNG ML-2165W. You'll find the answers to all your questions on the SAMSUNG ML-2165W in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual SAMSUNG ML-2165W
User guide SAMSUNG ML-2165W
Operating instructions SAMSUNG ML-2165W
Instructions for use SAMSUNG ML-2165W
Instruction manual SAMSUNG ML-2165W

User's Guide

ML-216x Series
ML-216xW Series

BASIC

This guide provides information concerning installation, basic operation and troubleshooting on windows.

ADVANCED

This guide provides information about installation, advanced configuration, operation and troubleshooting on various OS environments.
Some features may not be available depending on models or countries.

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Manual abstract:

Appendix Specifications Regulatory information Copyright 59 68 78 3. Maintenance Ordering supplies and accessories 38 2 1. Introduction This chapter provides information you need to know before using the machine. · Key benefits · Features by models · Useful to know · About this user's guide · Safety information · Machine overview · Control panel overview · Turning on the machine · Installing the driver locally · Reinstalling the driver 4 6 8 9 10 15 18 20 21 22 Key benefits Environmentally friendly Convenience · To save toner and paper, this machine supports the Eco feature (see "Easy Eco Driver" on page 159). · To save paper, you can print multiple pages on a single sheet of paper (see "Using advanced print features" on page 141). · To save paper, you can print on both sides of the paper (manual doublesided printing) (see "Using advanced print features" on page 141). · To save electricity, this machine automatically conserves electricity by substantially reducing power consumption when not in use. · Easy Capture Manager allows you to easily edit and print whatever you captured using the Print Screen key on the keyboard (see "Understanding Easy Capture Manager" on page 160). · Samsung Easy Printer Manager and Samsung Printer Status (or Smart Panel) are a program that monitors and informs you of the machine's status and allows you to customize the machine's settings (see "Using Samsung Easy Printer Manager" on page 164). ·AnyWeb Print helps you screen-capture, preview, scrap, and print the screen more easily than when you use the ordinary program (see "Samsung AnyWeb Print" on page 158).

· Smart Update allows you to check for the latest software and install the latest version during the printer driver installation process. This is available only for Windows OS users. · If you have Internet access, you can get help, support application, machine drivers, manuals, and order information from the Samsung website, www.samsung.com > find your product > Support or Downloads.

Print with excellent quality and speed · You can print with a resolution of up to 1,200 x 1,200 dpi effective output. · Fast, on-demand printing. - For single-side printing, 20 ppm (A4) or 21 ppm (Letter). Key benefits Wide range of functionality and application support · Using the USB cable or a network cable - You can connect and set various wireless network settings using a USB cable or a network cable. · Using the Wi-Fi Direct - You can conveniently print from your mobile device using the Wi-Fi or WiFi Direct feature.

· Supports various paper sizes (see "Print media specifications" on page 61). · Print watermark: You can customize your documents with words, such as "Confidential" (see "Using advanced print features" on page 141). · Print posters: The text and pictures of each page of your document are magnified and printed across the multiple sheets of paper and can then be taped together to form a poster (see "Using advanced print features" on page 141). · You can print in various operating systems (see "System requirements" on page 64). · Your machine is equipped with a USB interface. See "Introducing wireless set up methods" on page 105. Supports various wireless network setting method · Using the WPS (Wi-Fi Protected SetupTM) button - You can easily connect to a wireless network using the WPS button on the machine and the access point (a wireless router). Features by models Some features and optional goods may not be available depending on model or country. Operating System Operating System Windows Macintosh Linux Unix ML-216x Series ML-216xW Series Software Software PCL printer driver SPL printer driver PS printer driver XPS printer drivera Samsung Easy Printer Manager SyncThruTM Web Service a. For XPS driver, it is only supported for windows through the Samsung website (www.

samsung.com) ML-216x Series ML-216xW Series Features by models Variety feature Features Hi-Speed USB 2.0 Network Interface Ethernet 10/100 Base TX wired LAN Network Interface 802.11b/g/n wireless LAN IPv6 Eco printing(Easy Eco Driver)a Wi-Fi Protected SetupTM (WPS) Manual duplex (2-sided) printing a. Setting the ECO settings is available from the windows driver. ML-216x Series ML-216xW Series (: Included, Blank: Not available) Useful to know Where can I download the machine's driver? ·Visit www.samsung.com/printer to download the latest machine's driver, and install it on your system. Printouts are blurry. ·The toner level might be low or uneven.

Shake the toner cartridge. ·Try a different print resolution setting. ·Replace the toner cartridge. Where can I purchase accessories or supplies? ·Inquire at a Samsung distributor or your retailer. ·Visit www.

samsung.com/supplies. Select your country/region to view product service information. The machine does not print. ·Open the print queue list and remove the document from the list (see "Canceling a print job" on page 35).

·Remove the driver and install it again (see "Installing the driver locally" on page 21). ·Select your machine as your default machine in your Windows. The status LED flashes or remains constantly on. ·Turn the product off and on again. ·Check the meanings of LED indications in this manual and troubleshoot accordingly (see "Understanding the status LED" on page 55). A paper jam has occurred. ·Open and close the top cover (see "Front view" on page 16). ·Check the instructions on removing jammed paper in this manual and troubleshoot accordingly (see "Clearing paper jams" on page 52). About this user's guide This user's guide provides information for your basic understanding of the machine as well as detailed steps to explain machine usage. · · · · · · 1 2 General icons Icon Text Caution Description Gives users information to protect the machine from possible mechanical damage or malfunction.

Provides additional information or detailed specification of the machine function and feature. Read the safety information before using the machine. If you have a problem using the machine, refer to the troubleshooting chapter. Terms used in this user's guide are explained in the glossary chapter. All illustrations in this user's guide may differ from your machine depending on its options or model you purchased. The screenshots in this user's guide may differ from your machine depending on the machine's firmware/driver version. The procedures in this user's guide are mainly based on Windows 7.

Note Conventions Some terms in this guide are used interchangeably, as below: · · · Document is synonymous with original. Paper is synonymous with media, or print media. Machine refers to printer or MFP.

1. Introduction 9 Safety information These warnings and precautions are included to prevent injury to you and others, and to prevent any potential damage to your machine. Be sure to read and understand all of these instructions before using the machine. After reading this section, keep it in a safe place for future reference. 4 Operating environment Warning 3 Important safety symbols Do not use if the power cord is damaged or if the electrical outlet is not grounded. Explanation of all icons and signs used in this chapter Hazards or unsafe practices that may result in severe personal injury or death. Hazards or unsafe practices that may result in minor personal injury or property damage. This could result in electric shock or fire. Do not place anything on top of the machine (water, small metal or heavy objects, candles, lit cigarettes, etc.).

This could result in electric shock or fire. · If the machine gets overheated, it releases smoke, makes strange noises, or generates an odd odor, immediately turn off the power switch and unplug the machine. · The user should be able to access the power outlet in case of emergencies that might require the user to pull the plug out. This could result in electric shock or fire. Do not bend, or place heavy objects on the power cord. Stepping on or allowing the power cord to be crushed by a heavy object could result in electric shock or fire. Do not remove the plug by pulling on the cord; do not handle the plug with wet hands. This could result in electric shock or fire. Warning Caution Do not attempt. 1.

Introduction 10 Safety information 5 Caution During an electrical storm or for a period of non-operation, remove the power plug from the electrical outlet. This could result in electric shock or fire. Be careful, the paper output area is hot. Burns could occur. If the machine has been dropped, or if the cabinet appears damaged, unplug the machine from all interface connections and request assistance from qualified service personnel. Otherwise, this could result in electric shock or fire. If the machine does not operate properly after these instructions have been followed, unplug the machine from all interface connections and request assistance from qualified service personnel. Otherwise, this could result in electric shock or fire. If the plug does not easily enter the electrical outlet, do not attempt to force it in. Call an electrician to change the electrical outlet, or this could result in electric shock.

Do not allow pets to chew on the AC power, telephone or PC interface cords. This could result in electric shock or fire and/or injury to your pet. Operating method Caution Do not forcefully pull the paper out during printing. It can cause damage to the machine. Be careful not to put your hand between the machine and paper tray.

You may get injured. This machine's power reception device is the power cord. To switch off the power supply, remove the power cord from the electrical outlet. Be care when replacing paper or removing jammed paper. New paper has sharp edges and can cause painful cuts.

When printing large quantities, the bottom part of the paper output area may get hot. Do not allow children to touch. Burns can occur. When removing jammed paper, do not use tweezers or sharp metal objects. It can damage the machine. 1. Introduction 11 Safety information Do not allow too many papers to stack up in the paper output tray. It can damage the machine. Do not block or push objects into the ventilation opening. This could result in elevated component temperatures which can cause damage or fire.

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure. Before moving the machine, turn the power off and disconnect all cords. The information below are only suggestions based on the units weight. If you have a medical condition that prevents you from lifting, do not lift the machine. Ask for help, and always use the appropriate amount of people to left the device safety. Then lift the machine: 6 Caution · If the machine weighs under 20 kg (44.09 lbs), lift with 1 person. If the machine weighs 20 kg (44.09 lbs) - 40kg (88.18 lbs), lift with 2 people.

If the machine weighs more than 40 kg (88.18 lbs), lift with 4 or more people. Installation / Moving · · Warning Do not place the machine in an area with dust, humidity, or water leaks. This cmay not be available depending on model or country (see "Features by models" on page 6). 4 5 3 2 1 2 Control panel Tray handle 3 4 Tray Output tray 5 6 Output support Top cover 7 Toner cartridge 1.

Introduction 16 Machine overview 11 Rear view · This illustration may differ from your machine depending on its model. · Some features and optional goods may not be available depending on model or country (see "Features by models" on page 6). 1 2 1 USB port 2 Power receptacle 1. Introduction 17 Control panel overview This control panel may differ from your machine depending on its model. There are various types of control panels.

3 Configures the wireless network connection easily without a computer (see "Wireless network setup" on page 104). · Configuration sheet - Press and hold this button for about 10 seconds until the green LED blinks slowly, and release. 1 2 (WPS) · Prints supplies info report / error report - Press and hold this button for about 15 seconds until the green LED on, and release. · Manual print - Press this button each time you load a sheet of paper in the tray if you have selected Manual Feeder for Source in your printer driver. 3 4 1 Toner LED Shows the status of the toner (see "Status LED" on page 56). 2 (Status LED) Shows the status of your machine (see "Status LED" on page 56). 1. Introduction 18 Control panel overview 3 · Prints the screen - Press this button and the green LED will start blinking. If you want to print only the active screen, release the button when the green LED stops blinking. If you want to print the whole screen, release the button while it's blinking.

4 (Power) You can turn the power off or wake the machine up from the sleep mode with this button. · Print Screen can only be used in the Windows and Macintosh operating systems. · You can only use this function with USB-connected machine. · When printing the active window/whole monitor screen using the print screen button, the machine may use more toner depending on what is being printed. · You can only use this function if the machine's Easy Printer Manager program is installed if you are a macintosh OS user, you need to enable Screen Print Settings from the Easy Printer Manager to use the Print Screen feature.

· Configuration sheet - Press and hold this button for about 10 seconds until the green LED blinks slowly, and release. · Prints supplies info report / error report - Press and hold this button for about 15 seconds until the green LED on, and release. · Manual print - Press this button each time you load a sheet of paper in the tray if you have selected Manual Feeder for Source in your printer driver. 1. Introduction (Print screen) 19 Turning on the machine 1 Connect the machine to the electricity supply first.

2 1 2 press (power) on the control panel. If you want to turn the power off, press (power) on the control panel. 1. Introduction 20 Installing the driver locally A locally connected machine is a machine directly attached to your computer using the cable. If your machine is attached to a network, skip the following steps below and go on to installing a network connected machine's driver (see Advanced Guide).

3 Select Install Now. · If you are a Macintosh or Linux OS user, refer to the "Software installation" on page 82. · The installation window in this User's Guide may differ depending on the machine and interface in use. · Selecting Custom Installation allows you to choose which programs to install. · Only use a USB cable no longer than 3 meters (118 inches).

12 Windows 1 Make sure that the machine is connected to your computer and powered on. 4 5 Read License Agreement, and select I accept the terms of the License Agreement. Then, click Next. Follow the instructions in the installation window. If the "Found New Hardware Wizard" appears during the installation procedure, click Cancel to close the window. 2 Insert the supplied software CD into your CD-ROM drive. The software CD should automatically run and an installation window will appear. 1. Introduction 21 Reinstalling the driver If the printer driver does not work properly, follow the steps below to reinstall the driver. 13 Windows 1 2 3 4 Make sure that the machine is connected to your computer and powered on.

From the Start menu, select Programs or All Programs > Samsung Printers > your printer driver name > Uninstall. Follow the instructions in the installation window. Insert the software CD into your CD-ROM drive and install the driver again (see "Installing the driver locally" on page 21). 1. Introduction 22 2. Learning the Basic Usage After installation is complete, you may want to set the machine's default settings. Refer to the next section if you would like to set or change values. This chapter provides information about the overall menu structure and the basic setup options. · Printing a demo page · Media and tray · Basic printing 24 25 34 Printing a demo page Print a demo page to make sure that the machine is operating correctly (Windows only). To print a demo page: · Open the Printing Preferences (see "Opening printing preferences" on page 35) > Samsung tab > Demo page 2.

Learning the Basic Usage 24 Media and tray This chapter provides information on how to load print media into your machine. · Using print media that does not meet these specifications may cause problems or require repairs. Such repairs are not covered by Samsung's warranty or service agreements. · Make sure not to use the inkjet photo paper with this machine. It could cause damage to the machine.

· Using inflammable print media can cause a fire. · Use designated print media (see "Print media specifications" on page 61). 2 The use of inflammable media or foreign materials left in the printer may lead to overheating of the unit and, in rare cases may cause a fire. 1 1 Paper width guide 2 Tray 1 Tray overview To change the size, you need to adjust the paper guide. If you do not adjust the guide, it may cause paper registration, image skew, or jamming of the paper. 2. Learning the Basic Usage 25 Media and tray 2 Loading paper in the tray 3 Place the paper with the side you want to print facing up and open the output tray. 1 Open the tray. Then, adjust the tray size to the media size you are loading (see "Tray overview" on page 25). 2 1 1 2 2 Flex or fan the edge of the paper stack to separate the pages before loading papers. 2. Learning the Basic Usage 26 Media and tray 4 Squeeze the paper width guide and slide it to the edge of the paper stack without causing it to bend. The settings made from the machine driver override the settings on the control panel. a To print in application, open an application and start the print menu. b Open Printing Preferences (see "Opening printing preferences" on page 35).

c Press the Paper tab in Printing Preferences, and select an appropriate paper type. For example, if you want to use a label, set the paper type to Label. d Select Manual Feeder in paper source, then press OK. e Start printing in application. · Do not push the paper width guide too far causing the media to warp. · Do not use a paper with a leading-edge curl, it may cause a paper jam or the paper can be wrinkled. · If you do not adjust the paper width guide, it may cause paper jams. 5 When you print a document, set the paper type and size for the tray (see "Setting the paper size and type" on page 33). 2. Learning the Basic Usage 27 Media and tray 3 Manual feeding in the tray The manual feeder can hold special sizes and types of print material, such as postcards, note cards, and envelopes (see "Print media specifications" on page 61).

· When printing on special media, you must follow the loading guidelines (see "Printing on special media" on page 28). · When the machine is in a power save mode, the machine does not feed paper from the manual feeder. Wake up the machine by pressing the power button before using the manual feeder. Tips on using the manual feeder · Load only one type, size and weight of print media at time in the manual feeder. · If you select Paper > Source > Manual Feeder for the paper source in your software application, you need to press (Print screen) or (WPS) button each time you print a page and load only one type, size and weight of print media at a time on the manual tray.

· To prevent paper jams, do not add paper while printing when there is still paper in the manual feeder. · Print media should be loaded face up with the top edge going into the manual feeder first and be placed in the center of the tray. · To ensure printing quality and to prevent paper jams, only load the available paper (see "Print media specifications" on page 61). · Flatten any curl on postcards, envelopes, and labels before loading them into the manual feeder.

4 Printing on special media The table below shows the special media usable in each tray.

2. Learning the Basic Usage 28 Media and tray The media types are shown in the Printing Preferences. To get the higest printing quality, select the proper media type from the Printing Preferences window > Paper tab > Paper Type (see "Opening printing preferences" on page 35). For example, if you want to print on labels, select Labels for Paper Type. Types Cotton Recycled Archive a. The paper types available manual feeding in tray. Traya When using special media, we recommend you feed one sheet at a time (see "Print media specifications" on page 61). (: Included, Blank: Not available) To see for paper weights for each sheet, refer to "Print media specifications" on page 61. Traya Envelope Printing successfully on envelopes depends upon the quality of the envelopes. Types Plain Thick Thin Bond Color CardStock Labels Envelope Preprinted 2.

Learning the Basic Usage 29 Media and tray To print an envelope, place it as shown in the following figure. · · · · Do not use stamped envelopes. Do not use envelopes with clasps, snaps, windows, coated lining, selfadhesive seals, or other synthetic materials. Do not use damaged or poorly made envelopes. Be sure the seam at both ends of the envelope extends all the way to the corner of the envelope. 1 2 1 2 Acceptable Unacceptable · If you select Envelope from the Printing Preferences window, but the printed images get easily erased, select Thick Envelope and try printing again. However, this might cause some noise when printing. · When selecting envelopes, consider the following factors: -Weight: should not exceed 90 g/m2 otherwise; jams may occur. -Construction: should lie flat with less than 6 mm curl and should not contain air. -Condition: should not be wrinkled, nicked, nor damaged. -Temperature: should resist the heat and pressure of the machine during operation. · Use only well-constructed envelopes with sharp and well-creased folds. · · Envelopes with a peel-off adhesive strip or with more than one flap that folds over to seal must use adhesives compatible with the machine's fusing temperature for 0.1 second (about 170°C (338 °F)). The extra flaps and strips might cause wrinkling, creasing, or jams, and may even damage the fuser. For the best print quality, position margins no closer than 15 mm from the edges of the envelope. Avoid printing over the area where the envelope's seams meet. 2. Learning the Basic Usage 30 Media and tray Labels To avoid damaging the machine, use only labels designed for use in laser printers. · · -Condition: Do not use labels with wrinkles, bubbles, or other indications of separation.

Make sure that there is no exposed adhesive material between labels. 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 run a sheet of labels through the machine more than once. The adhesive backing is designed for only a single pass through the machine. Do not use labels that are separating from the backing sheet or are wrinkled, bubbled, or otherwise damaged. · · · When selecting labels, consider the following factors: -Adhesives: Should be stable at your machine's fusing temperature. Check your machine's specifications to view the fusing temperature (about 170°C (338°F)). -Arrangement: Only use labels with no exposed backing between them. Labels can peel off sheets that have spaces between the labels, causing serious jams.

-Curl: Must lie flat with no more than 13 mm of curl in any direction. 2. Learning the Basic Usage 31 Media and tray Card stock/ Custom-sized paper Preprinted paper When loading preprinted paper, the printed side should be facing up with an uncurled edge at the front. If you experience problems with paper feeding, turn the paper around. Note that print quality is not guaranteed. · In the software application, set margins at least 6.4 mm (0.25 inches) away from the edges of the material. · Must be printed with heat-resistant ink that will not melt, vaporize, or release hazardous emissions when subjected to the machine's fusing temperature for 0.1 second (about 170°C (338°F)).

Preprinted paper ink must be non-flammable and should not adversely affect machine rollers. Before you load preprinted paper, verify that the ink on the paper is dry. During the fusing process, wet ink can come off preprinted paper, reducing print quality. · · 2. Learning the Basic Usage 32 Media and tray 5 Setting the paper size and type After loading paper in the paper tray, set the paper size and type.

Open the Printing Preferences (see "Opening printing preferences" on page 35) and set the paper size and type in the Paper tab. If you want to use special-sized paper such as billing paper, select Custom in the Paper tab in the Printing Preferences (see "Opening printing preferences" on page 35). 2. Learning the Basic Usage 33 Basic printing For special printing features, refer to the Advanced Guide (see "Using advanced print features" on page 141). 3 Select your machine from the Select Printer list.

6 Printing If you are a Macintosh or Linux user, refer to the "Macintosh printing" on page 151 or "Linux printing" on page 153. The following Printing Preferences window is for Notepad in Windows 7. 1 2 Open the document you want to print. Select Print from the File menu. 4 The basic print settings including the number of copies and print range are selected within the Print window. To take advantage of the advanced printing features, click Properties or Preferences from the Print window (see "Opening printing preferences" on page 35). 5 To start the print job, click OK or Print in the Print window. 2. Learning the Basic Usage 34 Basic printing 7 Canceling a print job If the print job is waiting in the print queue or print spooler, cancel the job as follows: · You can access this window by simply double-clicking the machine icon ( ) in the Windows task bar. 4 Click Properties or Preferences.

8 Opening printing preferences · The Printing Preferences window that appears in this user's guide may differ depending on the machine in use. However, the composition of the Printing Preferences window is similar. · When you select an option in Printing Preferences, you may see a warning mark or . An mark means you can select that certain option but it is not recommended, and an mark means you cannot select that option due to the machine's setting or environment. You can check the machine's current status using the Printer Status button (see "Using Samsung Printer Status" on page 167).

1 2 3 Open the document you want to print. Select Print from the file menu. Select your machine from the Select Printer. 2. Learning the Basic Usage 35 Basic printing Using a favorite setting The Presets option, which is visible on each preferences tab except for the Samsung tab, allows you to save the current preferences for future use.

To save a Presets item, follow these steps: Select more options and click (Update), settings will be added to the Presets you made. To use a saved setting, select it from the Presets dropdown list. The machine is now set to print according to the settings you have selected. To delete saved settings, select it from the Presets dropdown list and click (Delete). 1 2 Change the settings as needed on each tab.

Enter a name for the item in the Presets input box. 9 You can also restore the printer driver's default settings by selecting Default Preset from the Presets drop-down list. Using help Click the option you want to know on the Printing Preferences window and press F1 on your keyboard. 10 3 Click saved. (Add). When you save Presets, all current driver settings are Eco printing The Eco function cuts toner consumption and paper usage. The Eco function allows you to save print resources and lead you to eco-friendly printing. To Eco Printing, click the below: See "Easy Eco Driver" on page 159. 2. Learning the Basic Usage 36 3. Maintenance This chapter provides information about purchasing supplies, accessories and maintenance parts available for your machine. · Ordering supplies and accessories · Available supplies · Available maintenance parts · Storing the toner cartridge · Redistributing toner · Replacing the toner cartridge · Cleaning the machine · Tips for moving & storing your machine 38 39 40 41 43 44 46 49 Ordering supplies and accessories Available accessories may differ from country to country. Contact your sales representatives to obtain the list of available supplies, and maintenance parts. To order Samsung-authorized supplies, accessories, and maintenance parts, contact your local Samsung dealer or the retailer where you purchased your machine. You can also visit www.

samsung.com/supplies, and then select your country/region to obtain the contact information for service. 3. Maintenance 38 Available supplies When supplies reach the end of their life spans, you can order the following types of supplies for your machine: Average yielda Approx. 1,500 pages Type Toner cartridge Part name MLT-D101S a. Declared yield value in accordance with ISO/IEC 19752. Depending on the options, percentage of image area, and job mode used, the toner cartridge's lifespan may differ. When purchasing new toner cartridges or other supplies, these must be purchased in the same country as the machine you are using. Otherwise, new toner cartridges or other supplies will be incompatible with your machine due to different configurations of toner cartridges and other supplies according to the specific country conditions. Samsung does not recommend using non-genuine Samsung toner cartridge such as refilled or remanufactured toner.

Samsung cannot guarantee non-genuine Samsung toner cartridge's quality. Service or repair required as a result of using non-genuine Samsung toner cartridges will not be covered under the machine's warranty. 3. Maintenance 39 Available maintenance parts To purchase maintenance parts, contact the source where you bought the machine. Replacing maintenance parts can be performed only by an authorized service provider, dealer, or the retailer where you bought the machine.

The warranty does not cover the replacement of any maintenance parts once it has reached its "Average yield". Maintenance parts are replaced at specific intervals to avoid print quality and paper feed problems resulting from worn parts, see table below. The purpose of which is to maintain your machine in top working condition. The maintenance parts below should be replaced when the life span of each item has been met. Average yielda Approx. 30,000 pages Approx. 30,000 pages Approx. 30,000 pages Approx. 30,000 pages Parts Fuser unit Transfer roller Feed roller Pickup roller a. It will be affected by the operating system used, computing performance, application software, connecting method, media type, media size and job complexity. 3. Maintenance 40 Storing the toner cartridge Toner cartridges contain components that are sensitive to light, temperature and humidity. Samsung suggests users follow these recommendations to ensure optimal performance, highest quality, and longest life from your new Samsung toner cartridge. Store this cartridge in the same environment in which the printer will be used. This should be in controlled temperature and humidity conditions.

The toner cartridge should remain in its original and unopened package until installation if original packaging is not available, cover the top opening of the cartridge with paper and store in a dark cabinet. Opening the cartridge package prior to use dramatically shortens its useful shelf and operating life. Do not store on the floor. If the toner cartridge is removed from the printer, follow the instructions below to store the toner cartridge properly. · · · Store the cartridge inside the protective bag from the original package. Store lying flat (not standing on end) with the same side facing up as if it were installed in the machine. Do not store consumables in any of the following conditions: -Temperature greater than 40°C (104°F). -Humidity range less than 20% and greater than 80%. -An environment with extreme changes in humidity or temperature. -Direct sunlight or room light.

-Dusty places. -A car for a long period of time. -An environment where corrosive gases are present. -An environment with salty air. 3. Maintenance 41 Storing the toner cartridge 1 3 Handling instructions · · · Do not touch the surface of the photoconductive drum in the cartridge. Do not expose the cartridge to unnecessary vibrations or shock. Never manually rotate the drum, especially in the reverse direction; this can cause internal damage and toner spillage. Estimated cartridge life Estimated cartridge life the life of the toner cartridge (or imaging unit) yield depends on the amount of toner that print jobs require. The actual print yield may vary depending on the print density of the pages you print on, operating environment, percentage of image area, printing interval, media type and/or media size.

For example, if you print a lot of graphics, the consumption of the toner is higher and you may need to change the cartridge more often. 2 Toner cartridge usage Samsung Electronics does not recommend or approve the use of non-Samsung brand toner cartridges in your printer including generic, store brand, refilled, or remanufactured toner cartridges.

Samsung's printer warranty does not cover damage to the machine caused by the use of a refilled, remanufactured, or non-Samsung brand toner cartridges. 3. Maintenance 42 Redistributing toner When the toner cartridge is near the end of its life: · · White streaks or light printing occurs and/or density variation side to side. The Toner LED blinks orange. If this happens, you can temporarily improve print quality by redistributing the remaining toner in the cartridge. In some cases, white streaks or light printing will still occur even after you have redistributed the toner. · Before opening the top cover, close the output support first. · If toner gets on your clothing, wipe it off with a dry cloth and wash clothing in cold water.

Hot water sets toner into fabric. 1 2 3. Maintenance 43 Replacing the toner cartridge · Before opening the top cover, close the output support first. · Do not use sharp objects such as a knife or scissors to open the toner cartridge package. They might scratch the drum of the cartridge. · If toner gets on your clothing, wipe it off with a dry cloth and wash clothing in cold water. Hot water sets toner into fabric. · Shake the toner cartridge thoroughly, it will increase the initial print quality. · Do not touch the green underside of the toner cartridge. Use the handle on the cartridge to avoid touching this area. 3. Maintenance 44 Replacing the toner cartridge When a toner cartridge has reached the end of life, the machine will stop printing. 3. Maintenance 45 Cleaning the machine If printing quality problems occur or if you use your machine in a dusty environment, you need to clean your machine regularly to keep it in the best printing condition and use your machine longer. · Cleaning the cabinet of the machine with cleaning materials containing large amounts of alcohol, solvents, or other strong substances can discolor or distort the cabinet.

· If your machine or the surrounding area is contaminated with toner, we recommend you use a cloth or tissue dampened with water to clean it. If you use a vacuum cleaner, toner blows in the air and might be harmful to you. · During the printing process, paper, toner, and dust particles can accumulate inside the machine. This buildup can cause print quality problems, such as toner specks or smearing. Cleaning the inside of the machine clears and reduces these problems.

4 Cleaning the outside Clean the machine cabinet with a soft, lint-free cloth. Dampen the cloth slightly with water, but be careful not to let any water drip onto or into the machine. 5 Cleaning the inside During the printing process, paper, toner, and dust particles can accumulate inside the machine. This buildup can cause print quality problems, such as toner specks or smearing. Cleaning the inside of the machine clears and reduces these problems. 3. Maintenance 46 Cleaning the machine · Use a dry lint-free cloth to clean the machine. · If your machine has a power switch, turn the power switch off before cleaning the machine. · Before opening the top cover, close the output support first. 1 2 3.

Maintenance 47 Cleaning the machine 6 Cleaning the pickup roller · Use a dry lint-free cloth to clean the machine. · If your machine has a power switch, turn the power switch off before cleaning the machine. 3. Maintenance 48 Tips for moving & storing your machine · · When moving the machine, do not tilt or turn it upside down. Otherwise, the inside of the machine may be contaminated by toner, which can cause damage to the machine or reduce print quality. When moving the machine, make sure at least two people are holding the machine securely. 3. Maintenance 49 4. Troubleshooting This chapter gives helpful information for what to do if you encounter an error. · Tips for avoiding paper jams · Clearing paper jams · Understanding the status LED 51 52 55 This chapter gives helpful information for what to do if you encounter an error.

If your machine has a display screen, check the message on the display screen first to solve the error. If you cannot find a solution to your problem in this chapter, refer to the Troubleshooting chapter in the Advanced User's Guide (see "Troubleshooting" on page 174). If you cannot find a solution in the User's Guide or the problem persists, call for service. Tips for avoiding paper jams By selecting the correct media types, most paper jams can be avoided. To avoid paper jams, refer to the following guidelines: · · · · · · · Ensure that the adjustable guides are positioned correctly (see "Tray overview" on page 25). Do not overload the tray. Ensure that the paper level is below the paper capacity mark on the inside of the tray. Do not remove paper from the tray while your machine is printing. Flex, fan, and straighten paper before loading. Do not use creased, damp, or highly curled paper.

Do not mix paper types in a tray. Use only recommended print media (see "Print media specifications" on page 61). 4. Troubleshooting 51 Clearing paper jams To avoid tearing the paper, pull the jammed paper out slowly and gently. 1 In tray 4. Troubleshooting 52 Clearing paper jams 2 Inside the machine · The fuser area is hot. Take care when removing paper from the machine. · Before opening the top cover, close the output support first. 4. Troubleshooting 53 Clearing paper jams If you do not see the paper in this area, stop and go to next step: 4.

Troubleshooting 54 Understanding the status LED The color of the LED indicates the machine's current status. · Some LEDs may not be available depending on model or country. · To resolve the error, look at the error message and its instructions from the troubleshooting part. · You can also resolve the error with the guidelines from the Samsung Printer Status window or Smart Panel program window. · If the problem persists, call a service representative. 4. Troubleshooting 55 Understanding the status LED 3 Status LED Status Off Blinking Green On Blinking (Status LED) Red On · The cover is opened. Close the cover. · There is no paper in the tray when receiving or printing data. Load paper in the tray ("Loading paper in the tray" on page 26). · The machine has stopped due to a major error. Blinking Orange On A paper jam has occurred (see "Clearing paper jams" on page 52). Upgrading firmware. The machine is off-line or save mode. · When the backlight slowly blinks, the machine is receiving data from the computer. · When the backlight blinks rapidly, the machine is printing data. The machine is on-line and can be used. Waiting for a (Print screen) button to be pressed for manual printing.

Description 4. Troubleshooting 56 Understanding the status LED 4 Toner LED/ WPS LED Status Description Small amount of toner is left in the cartridge. The estimated cartridge life of toner is close. Prepare a new cartridge for replacement. You may temporarily increase the printing quality by redistributing the toner (see "Redistributing toner" on page 43). A toner cartridge has almost reached its estimated cartridge lifea. It is recommended to replace the toner cartridge (see "Replacing the toner cartridge" on page 44). All toner cartridges are at normal capacity. The machine is connecting to a wireless network. The machine is connected to a wireless network (see "Using the WPS button" on page 107). The machine is disconnected from a wireless network. The machine is in power save mode.

The machine is in ready mode or the machine's power is off. Blinking (Toner LED) Orange On Off Blinking (WPS LED)b Blue On Off On (Power LED) Blue Off a. Estimated cartridge life means the expected or estimated toner cartridge life, which indicates the average capacity of print-outs and is designed pursuant to ISO/IEC 19752. The number of pages may be affected by operating environment, printing interval, graphics, media type and media size. Some amount of toner may remain in the cartridge even when red LED is on and the printer stops printing. b. Wireless model only (see "Features by models" on page 6). 4. Troubleshooting 57 5. Appendix This chapter provides product specifications and information concerning applicable regulations.
· Specifications · Regulatory information · Copyright 59 68 78 Specifications 1 General specifications The specification values listed below are subject to change without notice. See www.samsung.com for possible changes in information. Items Dimension Weight Noise Levela Print mode Temperature Operation Storage (packed) Humidity Operation Storage (packed) Power ratingb 110 volt models 220 volt models Less than 50 dB (A) 10 to 32°C (50 to 90°F) -20 to 40°C (-4 to 104°F) 10 to 80% RH 20 to 95% RH AC 110 - 127 V AC 220 - 240 V Width x Length x Height Machine with consumables Ready mode Description 332 x 215 x 178 mm (13.
07 x 8.46 x 7.01 inches) 4.95 kg (10.91 lbs) Less than 26 dB (A) 5.
Appendix 59 Specifications Items Power consumption Average operating mode Ready mode Power save mode Power off mode Wireless d a. b. c. d. Description Less than 310W Less than 30 W Less than 0.9 W (ML-216x Series), Less than 1.2 W (ML-216xW Series) Less than 0.45 W (0.1 Wc) T77H262 / SPW-B4319S Module Sound Pressure Level, ISO 7779. Configuration tested: basic machine installation, A4 paper, simplex printing.

See the rating label on the machine for the correct voltage (V), frequency (hertz) and type of current (A) for your machine. For the machine that has a power switch. Wireless model only (see "Features by models" on page 6). 5. Appendix 60 Specifications 2 Print media specifications Print media weight/Capacitya Type Size Dimensions Tray Letter Legal US Folio A4 Plain paper Oficio JIS B5 ISO B5 Executive A5 Envelope Monarch Envelope No. 10 Envelope Envelope DL Envelope C5 110 x 220 mm (4.33 x 8.66 inches) 162 x 229 mm (6.38 x 9.02 inches) 216 x 279 mm (8.
5 x 11 inches) 216 x 356 mm (8.5 x 14 inches) 216 x 330 mm (8.5 x 13 inches) 210 x 297 mm (8.27 x 11.69 inches) 216 x 343 mm (8.
5 x 13.5 inches) 182 x 257 mm (7.17 x 10.12 inches) 176 x 250 mm (6.93 x 9.
84 inches) 184 x 267 mm (7.25 x 10.5 inches) 148 x 210 mm (5.83 x 8.27 inches) 98 x 191 mm (3.87 x 7.5 inches) 105 x 241 mm (4.12 x 9.5 inches) 75 to 90 g/m2 (20 to 24 lbs bond) · 10 sheets 75 to 90 g/m2 (20 to 24 lbs bond) · 1 sheet 71 to 85 g/m2 (19 to 23 lbs bond) · 150 sheets of 80 g/m2 (21 lbs bond) Manual feeding in trayb 71 to 85 g/m2 (19 to 23 lbs bond) · 1 sheet 5. Appendix 61 Specifications Print media weight/Capacitya Type Size Dimensions Tray Refer to the Plain paper section Thick paper Refer to the Plain paper section 86 to 120 g/m2 (23 to 32 lbs bond) · 50 sheets of 120 g/m (32 lbs bond) Refer to the Plain paper section Thin paper Refer to the Plain paper section Refer to the Plain paper section Cotton Refer to the Plain paper section Refer to the Plain paper section Colored Refer to the Plain paper section Refer to the Plain paper section Pre-printed Refer to the Plain paper section Refer to the Plain paper section Recycled Refer to the Plain paper section 60 to 70 g/m2 (16 to 19 lbs bond) 60 to 70 g/m2 (16 to 19 lbs bond) · 160 sheets of 60 g/m2 (16 lbs bond) · 1 sheet 2 Manual feeding in trayb 86 to 120 g/m2 (23 to 32 lbs bond) · 1 sheet 75 to 90 g/m2 (20 to 24 lbs bond) 75 to 90 g/m2 (20 to 24 lbs bond) · 150 sheets of 80 g/m2 (21 lbs bond) · 1 sheet 75 to 90 g/m2 (20 to 24 lbs bond) 75 to 90 g/m2 (20 to 24 lbs bond) · 150 sheets of 80 g/m2 (21 lbs bond) · 1 sheet 75 to 90 g/m2 (20 to 24 lbs bond) 75 to 90 g/m2 (20 to 24 lbs bond) · 150 sheets of 80 g/m2 (21 lbs bond) · 1 sheet 60 to 90 g/m2 (16 to 24 lbs bond) 60 to 90 g/m2 (16 to 24 lbs bond) · 150 sheets of 80 g/m2 (21 lbs bond) · 1 sheet 5.

Appendix 62 Specifications Print media weight/Capacitya Type Size Dimensions Tray Letter, Legal, Oficio, US Folio, A4, JIS B5, ISO B5, Executive, A5 Letter, Legal, Oficio, US Folio, A4, JIS B5, ISO B5, Executive, A5, Postcard 4x6 Bond paper Refer to the Plain paper section Refer to the Plain paper section Refer to the Plain paper section · 10 sheets · 1 sheet Refer to the Plain paper section 120 to 150 g/m2 (32 to 40 lbs bond) · 10 sheets Refer to the Plain paper section 121 to 163 g/m2 (32 to 43 lbs bond) · 10 sheets 121 to 163 g/m2 (32 to 43 lbs bond) · 1 sheet Manual feeding in trayb 120 to 150 g/m2 (32 to 40 lbs bond) · 1 sheet Labelsc Card stock Archive Refer to the Plain paper section · 100 sheets · 1 sheet Minimum size (custom) Maximum size (custom) 76 x 127 mm (3 x 5 inches) 216 x 356 mm (8.5 x 14 inches) 60 to 163 g/m2 (16 to 43 lbs bond) a. Maximum capacity may differ depending on media weight, thickness, and environmental conditions. b. Feed one sheet at a time. c. The smoothness of the labels used in this machine is 100 to 250 (sheffield). This means the numeric level of smoothness. 5. Appendix 63 Specifications 3 System requirements Microsoft® Windows® Requirement (recommended) Operating system CPU Windows® 2000 Windows® XP Windows Server® 2003 Windows Server® 2008 Windows Vista® Windows® 7 · Support for DirectX® 9 graphics with 128 MB memory (to enable the Aero theme).
· DVD-R/W Drive Windows Server® 2008 R2 Intel® Pentium® IV 1 GHz (x86) or 1.4 GHz (x64) processors (2 GHz or faster) 512 MB (2 GB) 10 GB Intel® Pentium® II 400 MHz (Pentium III 933 MHz) Intel® Pentium® III 933 MHz (Pentium IV 1 GHz) Intel® Pentium® III 933 MHz (Pentium IV 1 GHz) Intel® Pentium® IV 1 GHz (Pentium IV 2 GHz) Intel® Pentium® IV 3 GHz Intel® Pentium® IV 1 GHz 32-bit or 64-bit processor or higher RAM 64 MB (128 MB) 128 MB (256 MB) 128 MB (512 MB) 512 MB (2 GB) 512 MB (1 GB) 1 GB (2 GB) free HDD space 600 MB 1.

5 GB 1.25 GB to 2 GB 10 GB 15 GB 16 GB 5. Appendix 64 Specifications · Internet Explorer 6.

0 or higher is the minimum requirement for all Windows operating systems. · Users who have administrator rights can install the software. · Windows Terminal Services is compatible with your machine. · For Windows 2000, Services Pack 4 or higher is required. Macintosh Requirements (Recommended) Operating system CPU · Intel® processors Mac OS X 10.

4 · PowerPC G4/ G5 · Intel® processors Mac OS X 10.5 · 867 MHz or faster Power PC G4/ G5 · Intel® processors · Intel® processors 1 GB (2 GB) 2 GB 1 GB 4 GB RAM · 128 MB for a powerPC based Mac (512 MB) · 512 MB for an Intel-based Mac (1 GB) 512 MB (1 GB) 1 GB Free HDD space 1 GB Mac OS X 10.6 Mac OS X 10.7 5. Appendix 65 Specifications Linux Items Fedora 5~13 (32/ 64 bit) OpenSuSE® 10.2, 10.3, 11.0, 11.1, 11.2 (32/64 bit) SuSE 10.

1 (32 bit) Operating system Ubuntu 6.06, 6.10, 7.04, 7.10, 8.04, 8.10, 9.04, 9.10, 10.04 (32/64 bit) Mandriva 2007, 2008, 2009, 2009.

1, 2010 (32/64 bit) Debian 4.0, 5.0 (32/64 bit) Redhat® Enterprise Linux WS 4, 5 (32/64 bit) SuSE Linux Enterprise Desktop 10, 11 (32/64 bit) CPU RAM Free HDD space Pentium IV 2.4GHz (Intel CoreTM2) 512 MB (1 GB) 1 GB (2 GB) Requirements 5. Appendix 66 Specifications 4 Network environment Network and wireless models only (see "Features by models" on page 6).

You need to set up the network protocols on the machine to use it as your network machine. The following table shows the network environments supported by the machine. Items Network interface · 802.11b/g/n Wireless LAN · Windows 2000/Server 2003 /Server 2008/XP/Vista/7/Server 2008 R2 Network operating system · Various Linux OS · Mac OS X 10.4 ~ 10.

7 · Unix · TCP/IPv4 · DHCP, BOOTP Network protocols · DNS, WINS, Bonjour, SLP, UPnP · Standard TCP/IP Printing (RAW), LPR, IPP, WSD · SNMPv 1/2/3, HTTP, IPSec ·TCP/IPv6 (DHCP, DNS, RAW, LPR, SNMPv 1/2/3, HTTP, IPSec) Wireless security · Authentication: Open System, Shared Key, WPA Personal, WPA2 Personal (PSK) · Encryption: WEP64, WEP128, TKIP, AES Specifications 5. Appendix 67 Regulatory information This machine is designed for a normal work environment and certified with several regulatory statements. When using this product, these basic safety precautions should always be followed to reduce risk of fire, electric shock, and injury to persons: 5 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 608251 : 2007. 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. 6 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. Ozone safety This product's ozone emission rate is under 0.

1 ppm. Because ozone is heavier than air, keep the product in a place with good ventilation. 5. Appendix 68 Regulatory information 7 9 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. ENERGY STAR and the ENERGY STAR mark are registered U.S. marks. For more information on the ENERGY STAR program see http:// www.energystar.

gov For ENERGY STAR certified models, the ENERGY STAR label will be on your machine. Check if your machine is ENERGY STAR certified. China only 8 Recycling Recycle or dispose of the packaging material for this product in an environmentally responsible manner. 5. Appendix 69 Regulatory information 10 Correct disposal of this product (Waste electrical & electronic equipment) The United States of America only Dispose unwanted electronics through an approved recycler.

To find the nearest recycling location, go to our website:www.samsung.com/recyclingdirect Or call, (877) 278 - 0799 (Applicable in the european union and other european countries with separate collection systems) This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life.

To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them 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 these items for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal. 11 Radio frequency emissions FCC information to the user 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. 5. Appendix 70 Regulatory information This equipment 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: · · · · 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 the dealer or experienced radio TV technician for help. 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 édictée par l'Industrie et Sciences Canada. 12 United states of america Federal communications commission (FCC) Intentional emitter per FCC Part 15 Low power, Radio LAN type devices (radio frequency (RF) wireless communication devices), operating in the 2.4 GHz/5 GHz Band, may be present (embedded) in your printer system. This section is only applicable if these devices are present. Refer to the system label to verify the presence of wireless devices. Wireless devices that may be in your system are only qualified for use in the United States of America if an FCC ID number is on the system label. Change or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment. 5. Appendix 71 Regulatory information The FCC has set a general guideline of 20 cm (8 inches) separation between the device and the body, for use of a wireless device near the body (this does not include extremities).

This device should be used more than 20 cm (8 inches) from the body when wireless devices are on. The power output of the wireless device (or devices), which may be embedded in your printer, is well below the RF exposure limits as set by the FCC. This transmitter must not be collocated or operation in conjunction with any other antenna or transmitter. Operation of this device 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 of the device. FCC statement for wireless LAN use: While installing and operating this transmitter and antenna combination the radio frequency exposure limit of 1m W/cm2 may be exceeded at distances close to the antenna installed.

Therefore, the user must maintain a minimum distance of 20cm from the antenna at all times. This device cannot be colocated with another transmitter and transmitting antenna. 13 Russia only Wireless devices are not user serviceable. Do not modify them in any way. Modification to a wireless device will void the authorization to use it. Contact manufacturer for service. 14 Germany only 5. Appendix 72 Regulatory information 15 Turkey only If you cut off the moulded plug, get rid of it straight away. You cannot rewire the plug and you may receive an electric shock if you plug it into a socket. Important warning: 16 Replacing the fitted plug (for UK only) You must earth this machine.

The wires in the mains lead have the following color code: · Green and Yellow: Earth Important The mains lead for this machine is fitted with a standard (BS 1363) 13 amp plug and has a 13 amp fuse. When you change or examine the fuse, you must re-fit the correct 13 amp fuse. You then need to replace the fuse cover. If you have lost the fuse cover, do not use the plug until you have another fuse cover. Contact the people from you purchased the machine. The 13 amp plug is the most widely used type in the UK and should be suitable. However, some buildings (mainly old ones) do not have normal 13 amp plug sockets. You need to buy a suitable plug adaptor. Do not remove the moulded plug. · Blue: Neutral · Brown: Live If the wires in the mains lead do not match the colors marked in your plug, do the following: You must connect the green and yellow wire to the pin marked by the letter "E" or by the safety `Earth symbol' or colored green and yellow or green.

You must connect the blue wire to the pin which is marked with the letter "N" or colored black. You must connect the brown wire to the pin which is marked with the letter "L" or colored red. You must have a 13 amp fuse in the plug, adaptor, or at the distribution board. 5. Appendix 73 Regulatory information 17 EC Certification Declaration of conformity (European countries) Certification to 1999/5/EC Radio Equipment & Telecommunications Terminal Equipment Directive (FAX) This Samsung product has been self-certified by Samsung for pan-European single terminal connection to the analogue public switched telephone network (PSTN) in accordance with Directive 1999/5/EC.

The product has been designed to work with the national PSTNs and compatible PBXs of the European countries: In the event of problems, you should contact the Euro QA Lab of Samsung Electronics Co., Ltd. in the first instance. The product has been tested against TBR21. To assist in the use and application of terminal equipment which complies with this standard, the European Telecommunication Standards Institute (ETSI) has issued an advisory document (EG 201 121) which contains notes and additional requirements to ensure network compatibility of TBR21 terminals.

The product has been designed against, and is fully compliant with, all of the relevant advisory notes contained in this document. Approvals and Certifications · Hereby, Samsung Electronics, declares that this [ML-216x Series] is in compliance with the essential requirements and other relevant provisions of Low Voltage Directive (2006/95/EC), EMC Directive (2004/108/EC). · Hereby, Samsung Electronics, declares that this [ML-216xW Series] is in compliance with the essential requirements and other relevant provisions of R&TTE Directive 1999/5/EC. The declaration of conformity may be consulted at www.samsung.com, go to Support > Download center and enter your printer (MFP) name to browse the EuDoC. January 1, 1995: Council Directive 2006/95/EC Approximation of the laws of the member states related to low voltage equipment. January 1, 1996: Council Directive 2004/108/EC, approximation of the laws of the Member States related to electromagnetic compatibility. March 9, 1999: Council Directive 1999/5/EC on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity. A full declaration, defining the relevant Directives and referenced standards can be obtained from your Samsung Electronics Co.

, Ltd. representative. 5. Appendix 74 Regulatory information European radio approval information (for products fitted with EU-approved radio devices) Low power, Radio LAN type devices (radio frequency (RF) wireless communication devices), operating in the 2.4 GHz/5 GHz band, may be present (embedded) in your printer system which is intended for home or office use. This section is only applicable if these devices are present. Refer to the system label to verify the presence of wireless devices. Wireless devices that may be in your system are only qualified for use in the European Union or associated areas if a CE mark with a Notified Body Registration Number and the Alert Symbol is on the system label.