User's Guide

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.
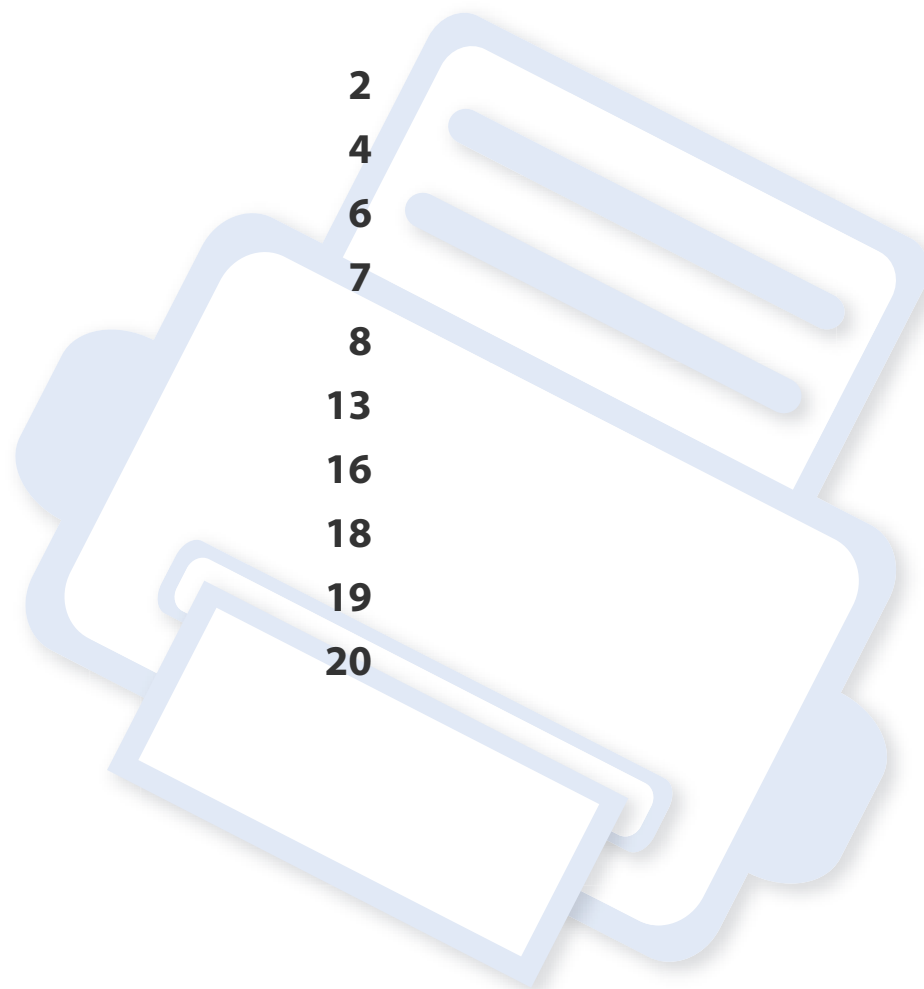
Some features may not be available depending on models or countries.

1. Introduction

This chapter provides information you need to know before using the machine.

Key benefits

Environmentally friendly

- To save toner and paper, this machine supports the Eco feature (see "Easy Eco Driver" on page 3).

- To save paper, you can print multiple pages on a single sheet of paper (see "Using advanced print features" on page 5).

- To save paper, you can print on both sides of the paper (manual double-sided printing) (see "Using advanced print features" on page 5).

- To save electricity, this machine automatically conserves electricity by substantially reducing power consumption when not in use.

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).

Convenience

- 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 4).

- 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 8).

- 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 2).

- 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.

Key benefits

Wide range of functionality and application support

- Supports various paper sizes (see "Print media specifications" on page 4).

- Print watermark: You can customize your documents with words, such as "Confidential" (see "Using advanced print features" on page 5).

- 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 5).

- You can print in various operating systems (see "System requirements" on page 7).

- Your machine is equipped with a USB interface.

Supports various wireless network setting method

- Using the WPS (Wi-Fi Protected Setup™) button
  - You can easily connect to a wireless network using the WPS button on the machine and the access point (a wireless router).

- 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 Wi-Fi Direct feature.

> See "Introducing wireless set up methods" on page 18.

Features by models

Some features and optional goods may not be available depending on model or country.

Operating System

Operating System	M-202x Series	M-202xW Series
Windows	●	●
Macintosh	●	●
Linux	●	●
Unix		

Software

Software	M-202x Series	M-202xW Series
PCL printer driver		
SPL printer driver	●	●
PS printer driver		
XPS printer driver[1]	●	●
Samsung Easy Printer Manager	●	●
SyncThru™ Web Service		●

1. For XPS driver, it is only supported for windows through the Samsung website (www.samsung.com)

Features by models

Variety feature

Features	M-202x Series	M-202xW Series
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)[1]	●	●
Wi-Fi Protected Setup™ (WPS)		●
Manual duplex (2-sided) printing	●	●

1. Setting the ECO settings is available from the windows driver.

(●: 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.

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 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 6).

A paper jam has occurred.

- Open and close the top cover (see "Front view" on page 14).

- Check the instructions on removing jammed paper in this manual and troubleshoot accordingly (see "Clearing paper jams" on page 3).

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.

The machine does not print.

- Open the print queue list and remove the document from the list (see "Canceling a print job" on page 13).

- Remove the driver and install it again (see "Installing the driver locally" on page 19).

- Select your machine as your default machine in your Windows.

About this user's guide

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.

- 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.

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.

General icons

Icon	Text	Description
	Caution	Gives users information to protect the machine from possible mechanical damage or malfunction.
	Note	Provides additional information or detailed specification of the machine function and feature.

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.

Important safety symbols

Explanation of all icons and signs used in this chapter

⚠	**Warning**	Hazards or unsafe practices that may result in severe personal injury or death.
⚠	**Caution**	Hazards or unsafe practices that may result in minor personal injury or property damage.
🚫	Do not attempt.	

Operating environment
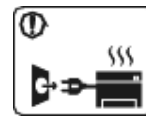
⚠ Warning

🖼	Do not use if the power cord is damaged or if the electrical outlet is not grounded. 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.

Safety information

⚠ 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.

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.

Installation / Moving

⚠ Warning

	Do not place the machine in an area with dust, humidity, or water leaks. This could result in electric shock or fire.

⚠ Caution

	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: • 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. The machine could fall, causing injury or machine damage.
!	Do not place the machine on an unstable surface. The machine could fall, causing injury or machine damage.
!	Use only No.26 AWG[1] or larger, telephone line cord, if necessary. Otherwise, it can cause damage to the machine.
!	Use the power cord supplied with your machine for safe operation. If you are using a cord which is longer than 2 meters (6 feet) with a 110 V machine, then the gauge should be 16 AWG or larger. Otherwise, it can cause damage to the machine, and could result in electric shock or fire.

Safety information

⚠	Make sure you plug the power cord into a grounded electrical outlet. Otherwise, this could result in electric shock or fire.
🚫	Do not overload wall outlets and extension cords. This can diminish performance, and could result in electric shock or fire.
🚫	Do not put a cover over the machine or place it in an airtight location, such as a closet. If the machine is not well-ventilated, this could result in fire.
⊘	The machine should be connected tothe power level which is specified on the label. If you are unsure and want to check the power level you are using, contact the electrical utility company.

1. AWG: American Wire Gauge

Maintenance / Checking

⚠ Caution

	Unplug this product from the wall outlet before cleaning the inside of the machine. Do not clean the machine with benzene, paint thinner or alcohol; do not spray water directly into the machine. This could result in electric shock or fire.
	When you are working inside the machine replacing supplies or cleaning the inside, do not operate the machine. You could get injured.
	Keep cleaning supplies away from children. Children could get hurt.
	Do not disassemble, repair or rebuild the machine by yourself. It can damage the machine. Call a certified technician when the machine needs repairing.

Safety information

	• Do not remove any covers or guards that are fastened with screws. • Fuser units should only be repaired by a certified service technician. Repair by non-certified technicians could result in fire or electric shock. • The machine should only be repaired by a Samsung service technician.
	To clean and operate the machine, strictly follow the user's guide provided with the machine. Otherwise, you could damage the machine.
	Keep the power cable and the contact surface of the plug clean from dust or water. Otherwise, this could result in electric shock or fire.

Supply usage

⚠ **Caution**

	Do not disassemble the toner cartridge. Toner dust can be dangerous if inhaled or ingested.

	Do not burn any of the supplies such as toner cartridge or fuser unit. This could cause an explosion or uncontrollable fire.
	When storing supplies such as toner cartridges, keep them away from children. Toner dust can be dangerous if inhaled or ingested.
	When changing the toner cartridge or removing jammed paper, be careful not to let toner dust touch your body or clothes. Toner dust can be dangerous if inhaled or ingested.
	When toner gets on your clothing, do not use hot water to wash it. Hot water sets toner into fabric. Use cold water.
	Using recycled supplies, such as toner, can cause damage to the machine. In case of damage due to the use of recycled supplies, a service fee will be charged.

Machine overview

Accessories

Power cord	Quick installation guide	Output stacker[1]
Software CD[2]	Misc. accessories[3]	
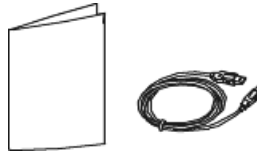
1. Refer to the Quick Install Guide to attach the output stacker to the machine.
2. The software CD contains the printer drivers and software applications.
3. Miscellaneous accessories included with your machine may vary by country of purchase and specific model.

Machine overview

Front 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 4).
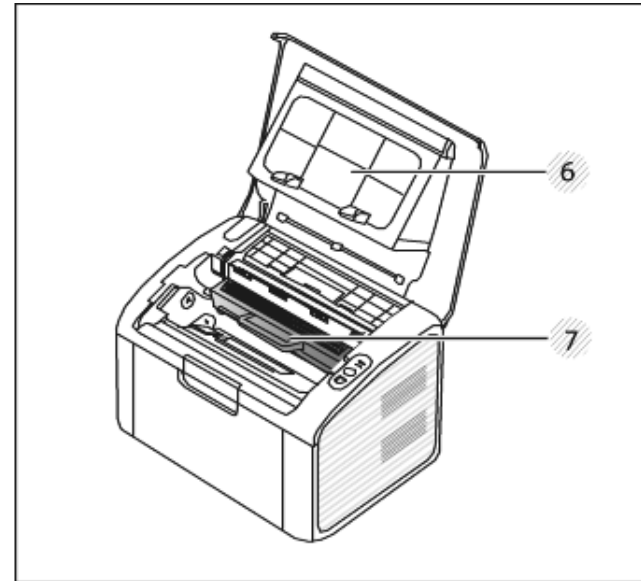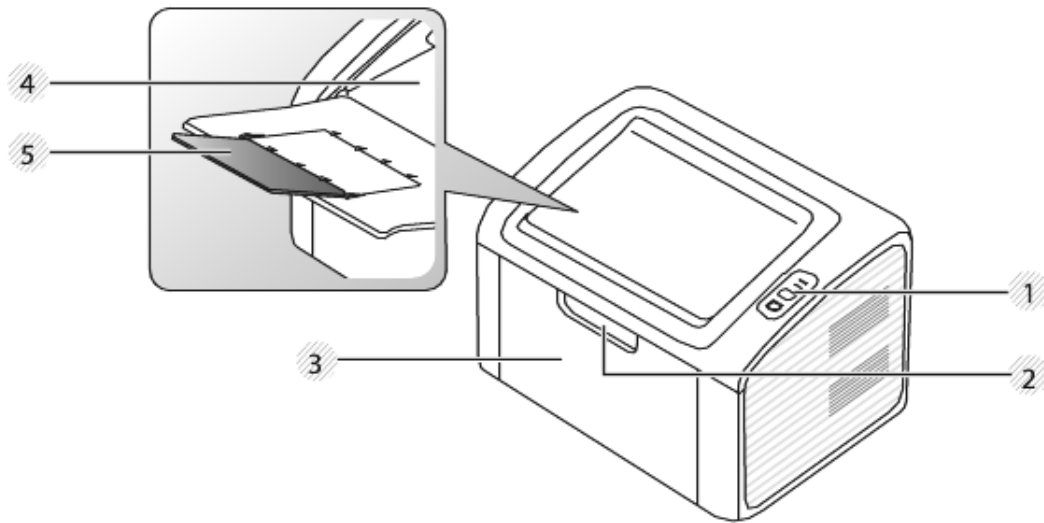
1	Control panel	3	Tray	5	Output support	7	Toner cartridge
2	Tray handle	4	Output tray	6	Top cover		

Machine overview

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 4).
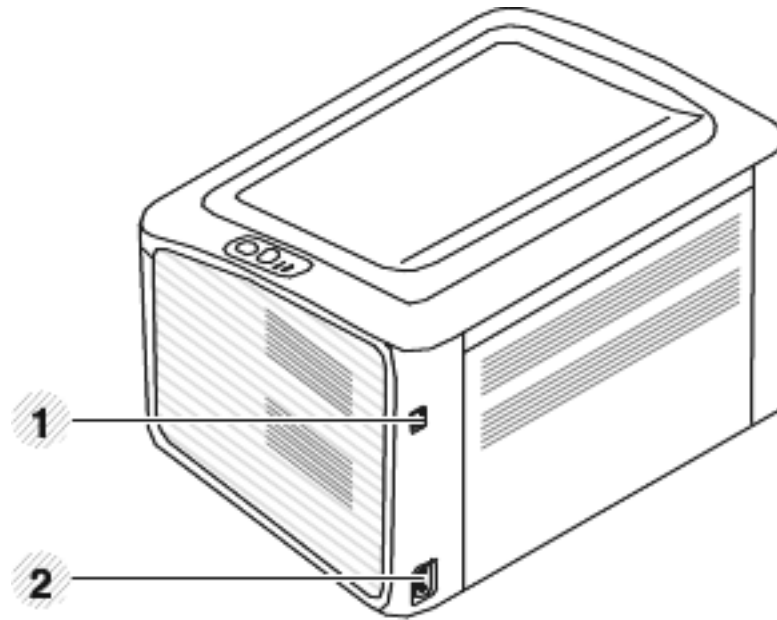
1	USB port	2	Power receptacle

Control panel overview

> 📝 This control panel may differ from your machine depending on its model. There are various types of control panels.
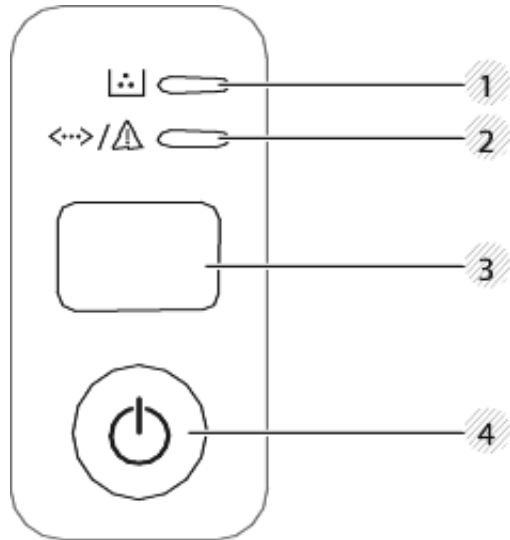
1	**Toner LED**	Shows the status of the toner (see "Status LED" on page 7).
2	⟷/⚠ **(Status LED)**	Shows the status of your machine (see "Status LED" on page 7).

3	🔄 **(WPS)**	Configures the wireless network connection easily without a computer (see "Wireless network setup" on page 17).
		
		• **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.

Control panel overview

3	(Print screen)	• **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.

> - **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.

4	(Power)	You can turn the power off or wake the machine up from the sleep mode with this button.

Turning on the machine

1 Connect the machine to the electricity supply first.
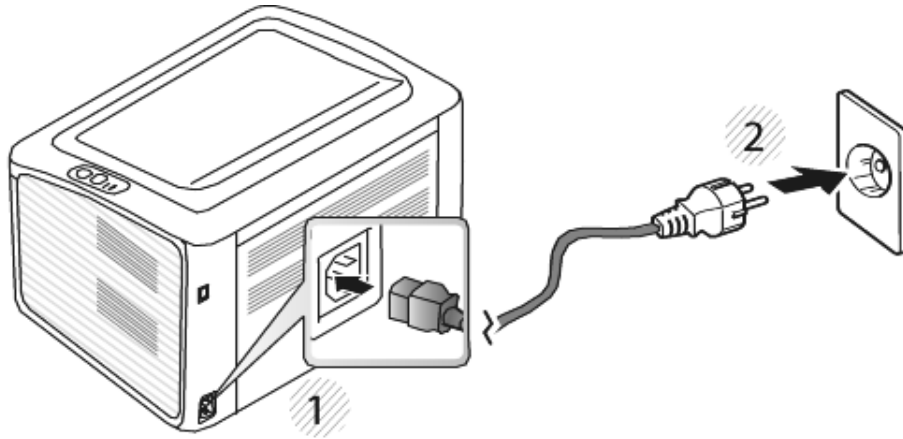
2 press ⏻(power) on the control panel.

📝 If you want to turn the power off, press ⏻(power) on the control panel.

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).

> • If you are a Macintosh or Linux OS user, refer to the "Software installation" on page 1.
>
> • 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).

Windows

1 Make sure that the machine is connected to your computer and powered on.

> 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.

3 Select **Install Now**.
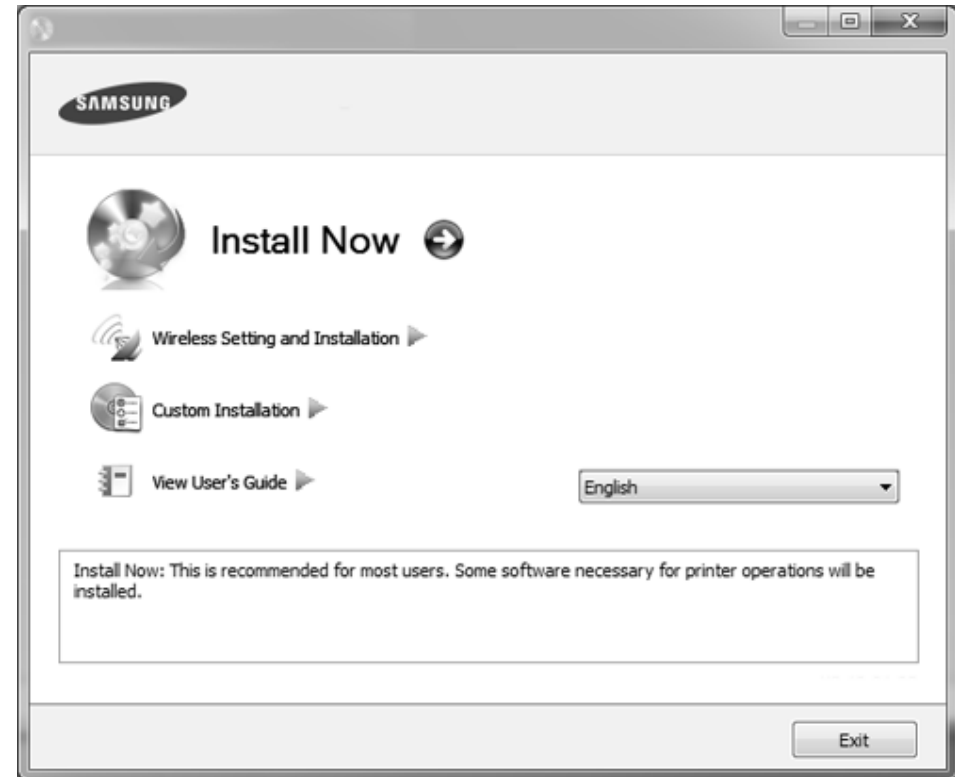
4 Read **License Agreement**, and select **I accept the terms of the License Agreement**. Then, click **Next**.

5 Follow the instructions in the installation window.

Reinstalling the driver

If the printer driver does not work properly, follow the steps below to reinstall the driver.

Windows

1 Make sure that the machine is connected to your computer and powered on.

2 From the **Start** menu, select **Programs** or **All Programs** > **Samsung Printers** > **your printer driver name** > **Uninstall**.

3 Follow the instructions in the installation window.

4 Insert the software CD into your CD-ROM drive and install the driver again (see "Installing the driver locally" on page 19).

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

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 13) > **Samsung** tab > **Demo page**

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 4).

⚠ 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.

Tray overview

To change the size, you need to adjust the paper guide.
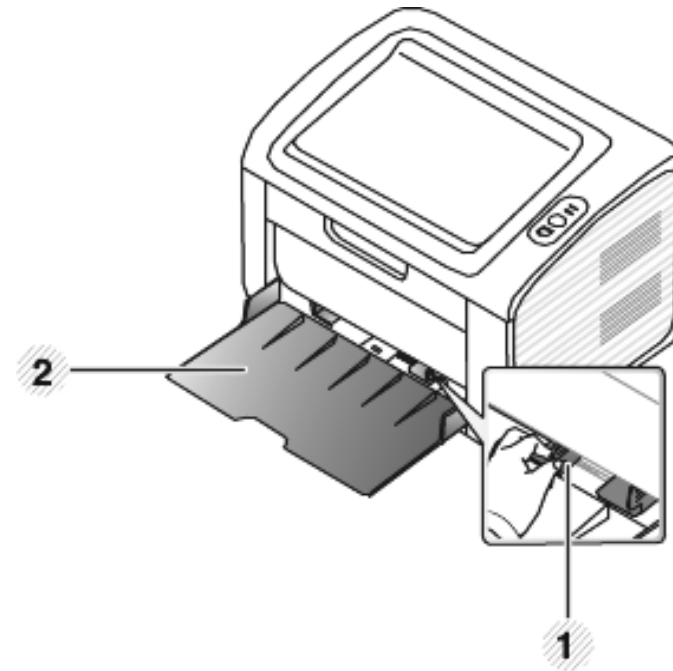
1 Paper width guide
2 Tray

⚠ If you do not adjust the guide, it may cause paper registration, image skew, or jamming of the paper.

Media and tray

Loading paper in the tray

1 Open the tray. Then, adjust the tray size to the media size you are loading (see "Tray overview" on page 3).
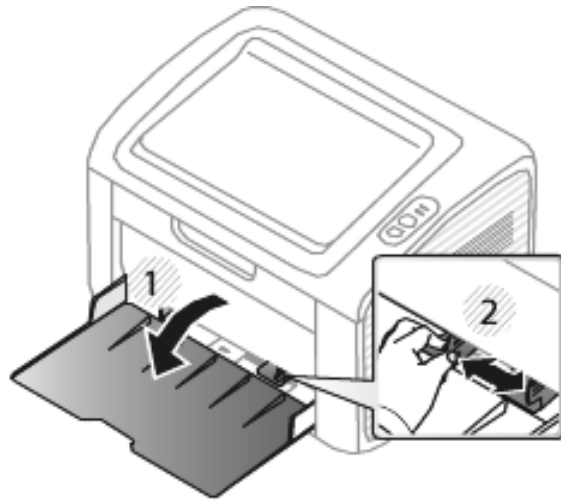
2 Flex or fan the edge of the paper stack to separate the pages before loading papers.
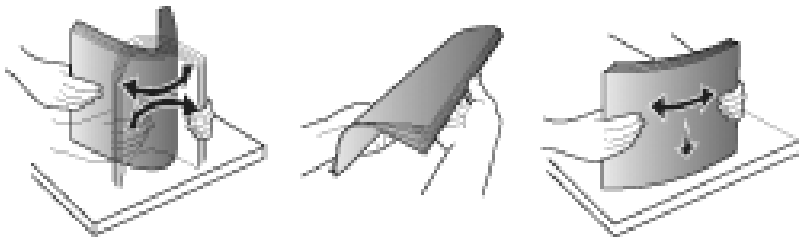
3 Place the paper with the side you want to print facing up andopen the output tray.
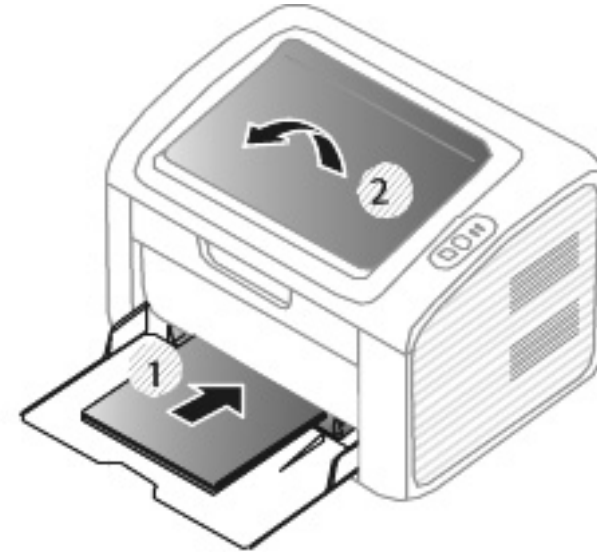
Media and tray

4 Squeeze the paper width guide and slide it to the edge of the paper stack without causing it to bend.
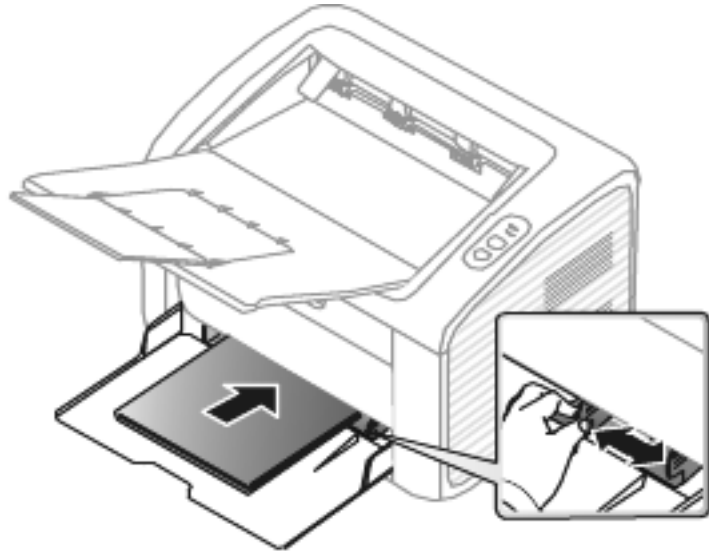
> • Do not push the paper width guide too far causing the media to warp.
>
> • Do not use a paper with a leading-edge curl, it may cause a paper jam or the paper can be wrinkled.
>
> • If you do not adjust the paper width guide, it may cause paper jams.
>
>

5 When you print a document, set the paper type and size for the tray (see "Setting the paper size and type" on page 11).

> 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 13).
> **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.

Media and tray

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 4).

 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 4).

- Flatten any curl on postcards, envelopes, and labels before loading them into the manual feeder.

- When printing on special media, you must follow the loading guidelines (see "Printing on special media" on page 6).

- 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.
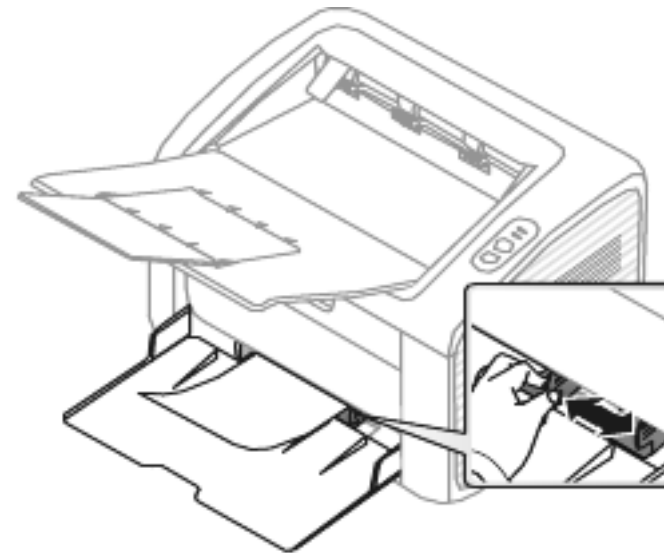
Printing on special media

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

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 13).

For example, if you want to print on labels, select **Labels** for **Paper Type**.

 When using special media, we recommend you feed one sheet at a time (see "Print media specifications" on page 4).

To see for paper weights for each sheet, refer to "Print media specifications" on page 4.

Types	Tray[1]
Plain	●
Thick	●
Thin	●
Bond	●
Color	●
CardStock	●
Labels	●
Envelope	●
Preprinted	●

Types	Tray[1]
Cotton	●
Recycled	●
Archive	●

1. The paper types available manual feeding in tray.

(●: Included, Blank: Not available)

Envelope

Printing successfully on envelopes depends upon the quality of the envelopes.

Media and tray

To print an envelope, place it as shown in the following figure.
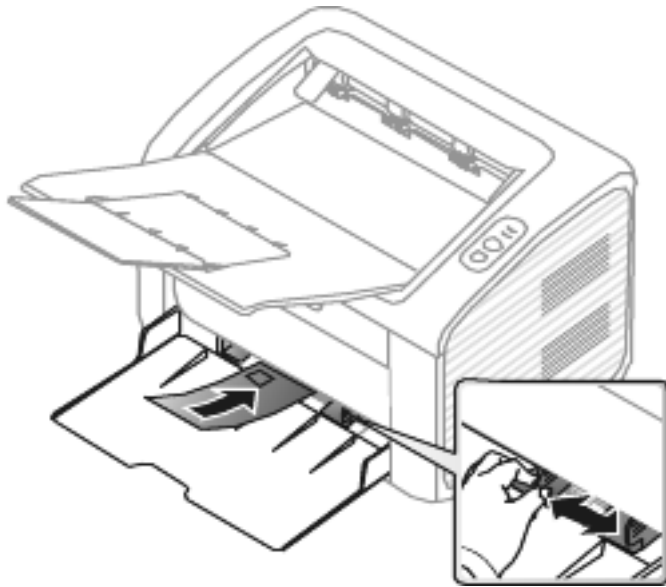
If you select **Envelope** from the **Printing Preferences** window, but the printed images get easily erased, select **Thick Envelope** and try printing again. However, this might cause some noise when printing.

• When selecting envelopes, consider the following factors:

   - **Weight:** should not exceed 90 g/m^2 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.

• Do not use stamped envelopes.

• Do not use envelopes with clasps, snaps, windows, coated lining, self-adhesive 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 Acceptable
   2 Unacceptable
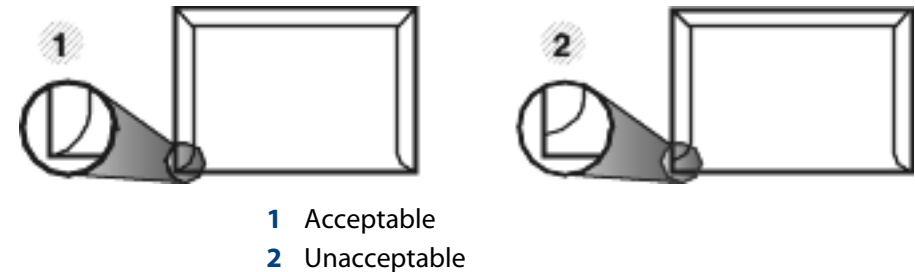
• Envelopes with a peel-off adhesive strip or with more than one flap that folds over to seal must use adhesives compatible with the machine's fusing temperature for 0.1 second (about 170°C (338 °F)). The extra flaps and strips might cause wrinkling, creasing, or jams, and may even damage the fuser.

• 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.

Media and tray

Labels

To avoid damaging the machine, use only labels designed for use in laser printers.
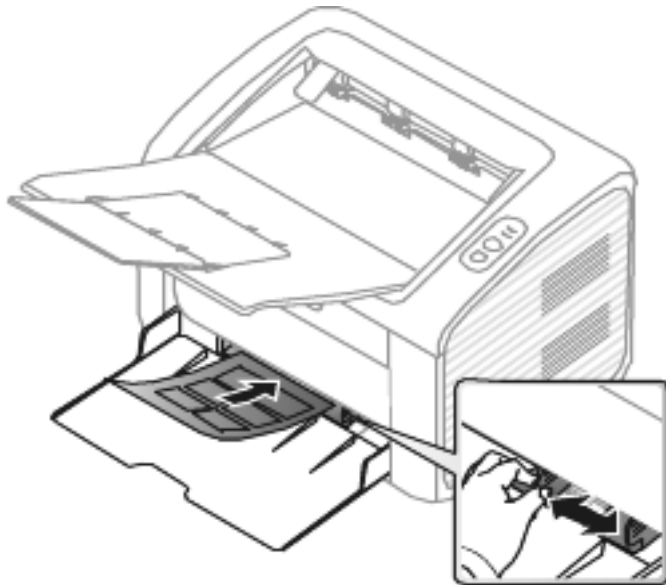
- When selecting labels, consider the following factors:
  - **Adhesives:** Should be stable at your machine's fusing temperature. Check your machine's specifications to view the fusing temperature (about 170℃ (338℉)).
  - **Arrangement:** Only use labels with no exposed backing between them. Labels 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.
  - **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.

Media and tray

Card stock/ Custom-sized paper
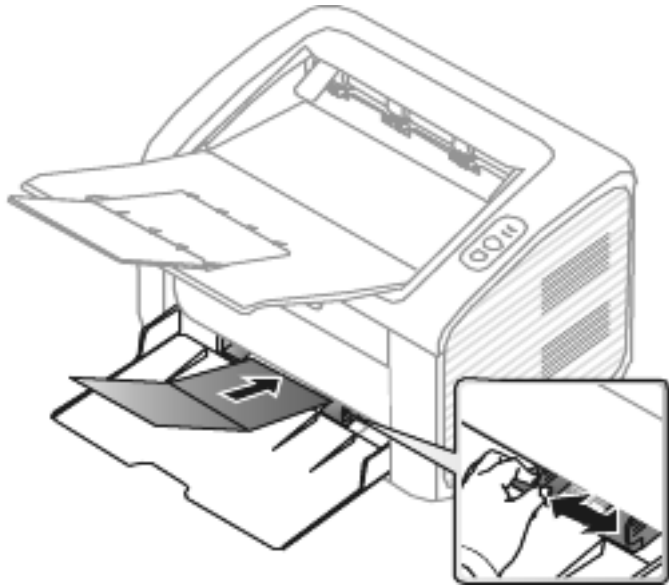
- In the software application, set margins at least 6.4 mm (0.25 inches) away from the edges of the material.

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.
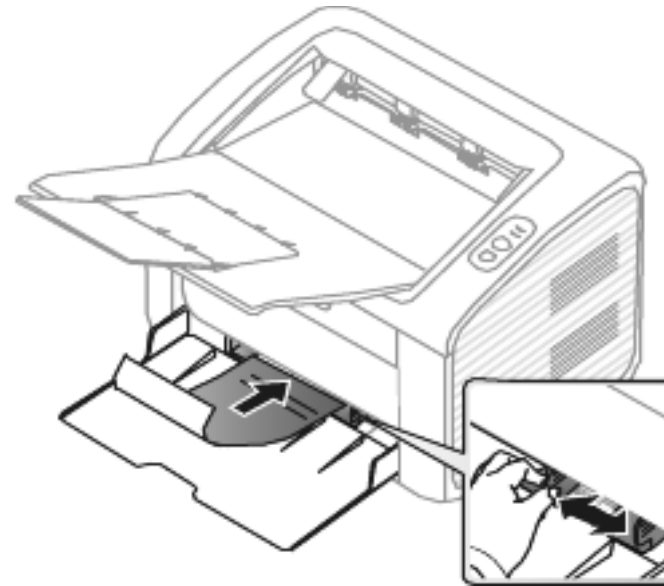
- Must be printed with heat-resistant ink that will not melt, vaporize, or release hazardous emissions when subjected to the machine's fusing temperature for 0.1 second (about 170℃ (338℉)).

- 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.

Media and tray

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 13) 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 13).

Basic printing

 For special printing features, refer to the Advanced Guide (see "Using advanced print features" on page 5).

Printing

 If you are a Macintosh or Linux user, refer to the "Macintosh printing" on page 15 or "Linux printing" on page 17.

The following **Printing Preferences** window is for Notepad in Windows 7.

1 Open the document you want to print.

2 Select **Print** from the **File** menu.

3 Select your machine from the **Select Printer** list.
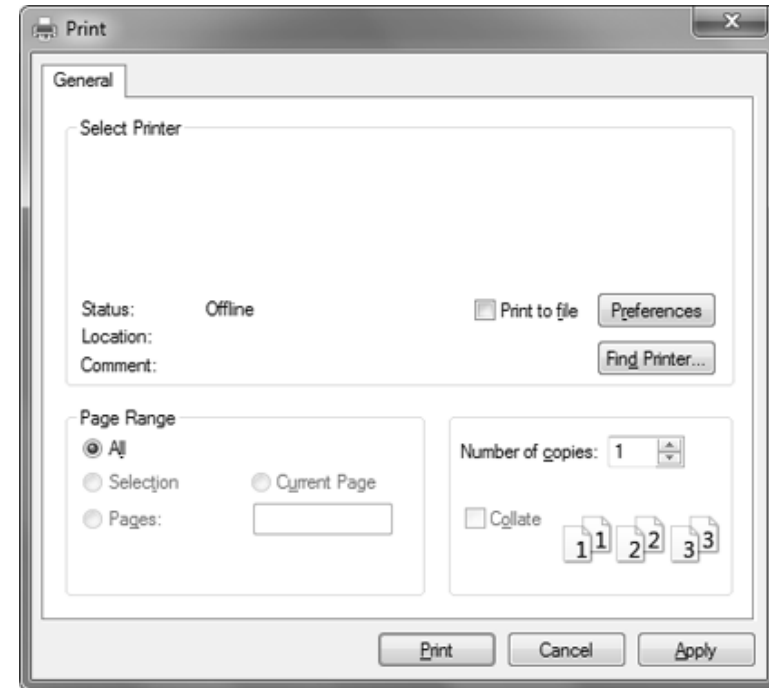
4 The basic print settings including the number of copies and print range are selected within the **Print** window.

 To take advantage of the advanced printing features, click **Properties** or **Preferences** from the **Print** window (see "Opening printing preferences" on page 13).

5 To start the print job, click **OK** or **Print** in the **Print** window.

Basic printing

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.

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.

1 Open the document you want to print.

2 Select **Print** from the file menu.

3 Select your machine from the **Select Printer**.

4 Click **Properties** or **Preferences**.
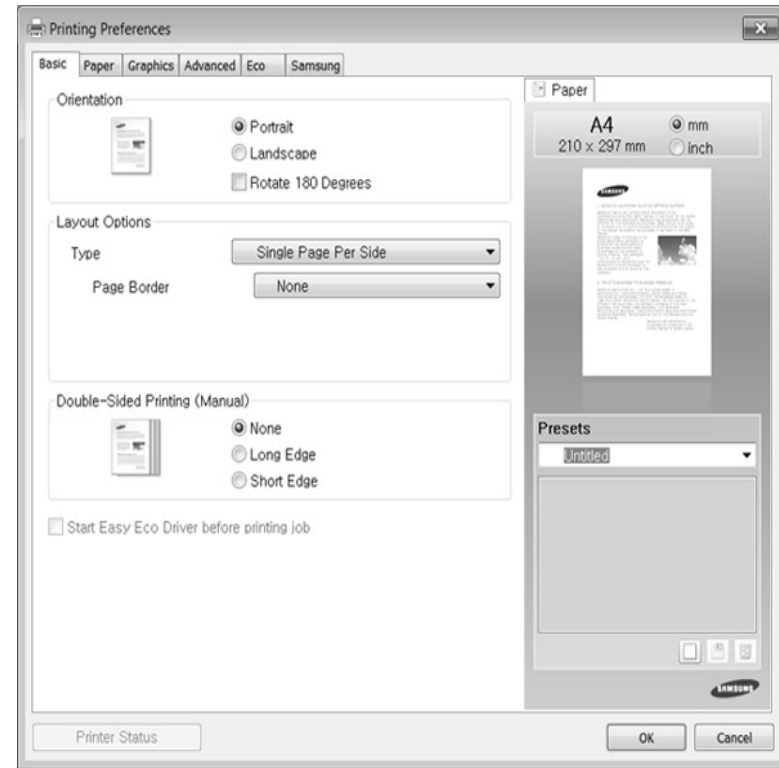
> You can check the machine's current status using the **Printer Status** button (see "Using Samsung Printer Status" on page 11).

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:

1 Change the settings as needed on each tab.

2 Enter a name for the item in the **Presets** input box.

3 Click ☐ (**Add**). When you save **Presets**, all current driver settings are saved.

 ✎ 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** drop-down list. The machine is now set to print according to the settings you have selected. To delete saved settings, select it from the **Presets** drop-down list and click ☐ (**Delete**).

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.

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 3.

3. Maintenance

This chapter provides information about purchasing supplies, accessories and maintenance parts available for your machine.

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.

Available supplies

When supplies reach the end of their life spans, you can order the following types of supplies for your machine:

Type	Average yield[1]	Part name
Toner cartridge	Approx. 1,500 pages	MLT-D101S

1. 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.

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.

Parts	Average yield[1]
Fuser unit	Approx. 30,000 pages
Transfer roller	Approx. 30,000 pages
Feed roller	Approx. 30,000 pages
Pickup roller	Approx. 30,000 pages

1. It will be affected by the operating system used, computing performance, application software, connecting method, media type, media size and job complexity.

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℃ (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.

Storing the toner cartridge

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.

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.

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.

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.
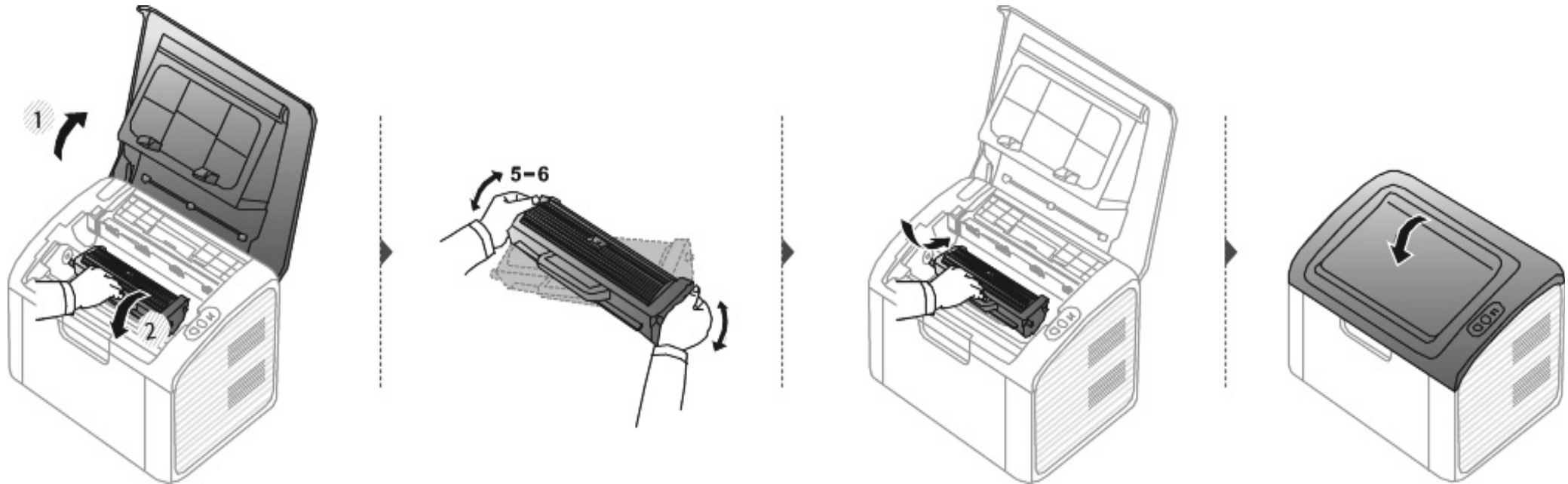
Replacing the toner cartridge

 Click this link to open an animation about replacing a 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.

Replacing the toner cartridge

When a toner cartridge has reached the end of life, the machine will stop printing.

Replacing the toner cartridge
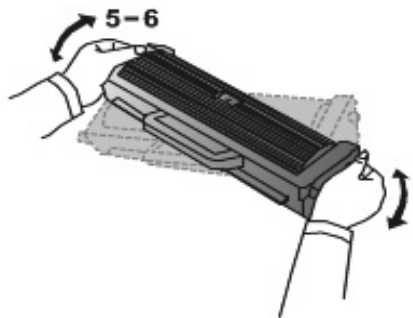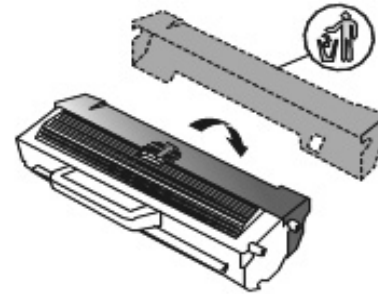
Cleaning the machine

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.

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.

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.

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.

Cleaning the machine
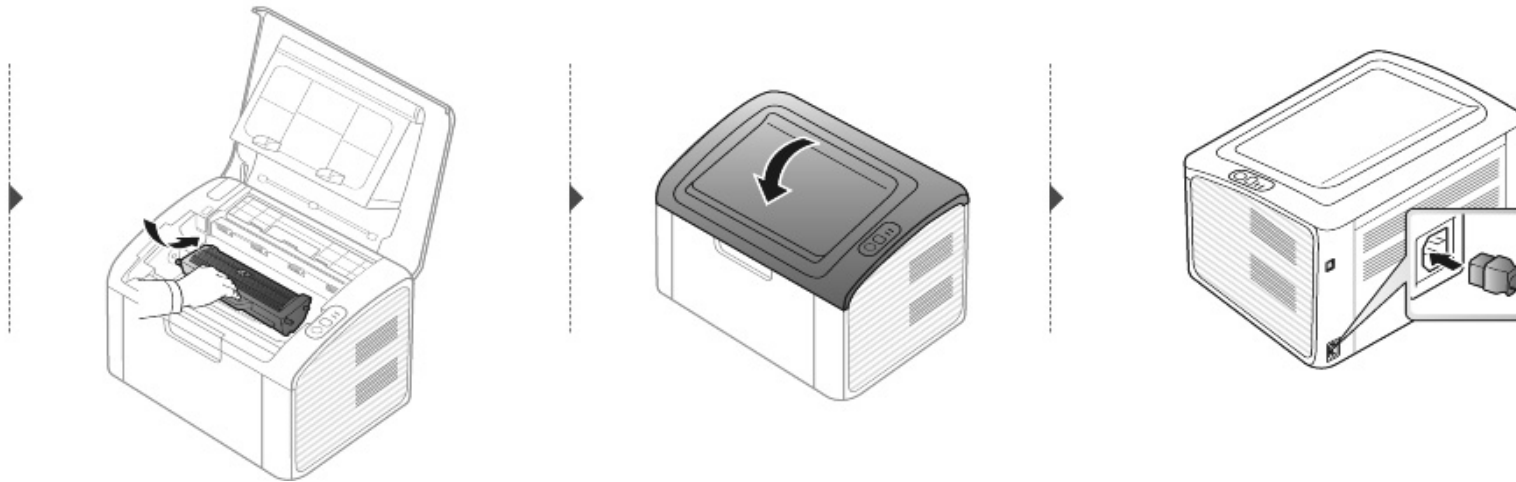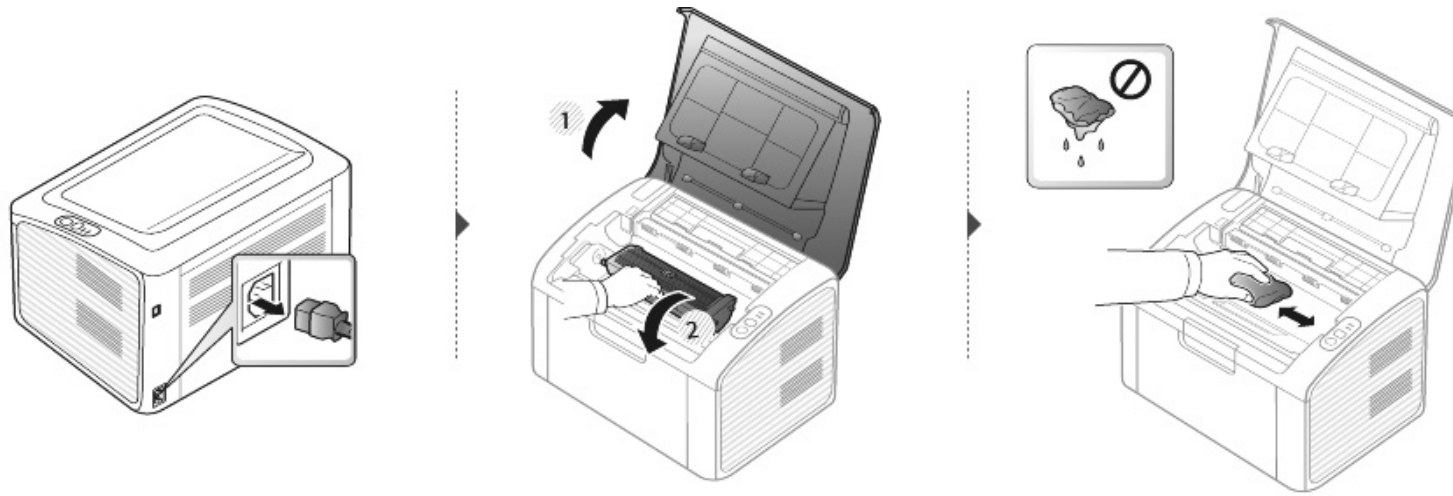
Cleaning the machine

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.
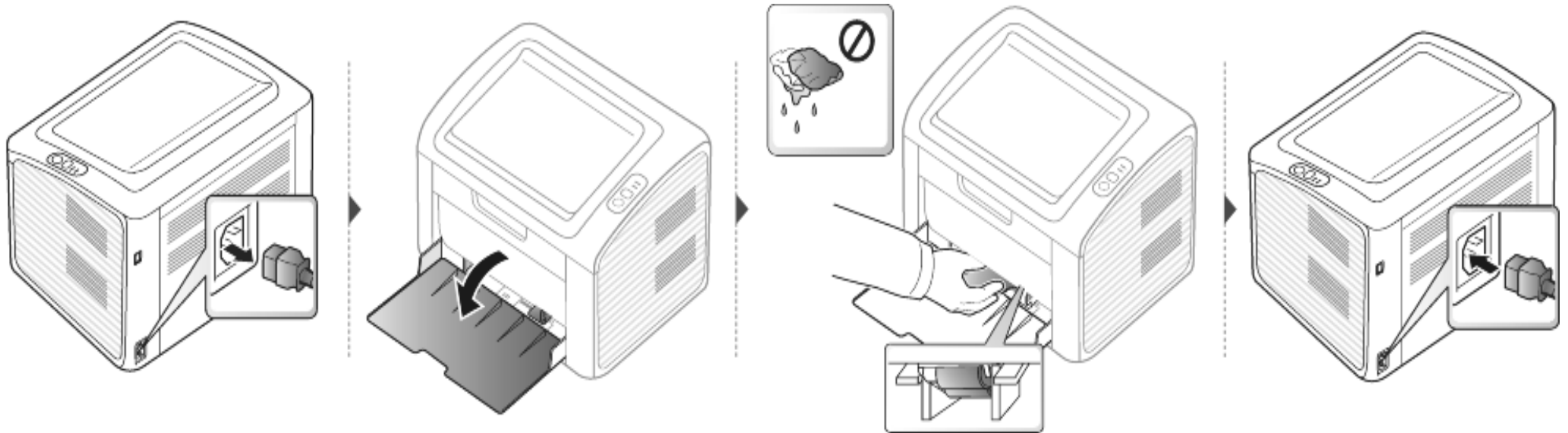
Tips for moving & storing your machine

- 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.

4. Troubleshooting

This chapter gives helpful information for what to do if you encounter an error.

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 1).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 3).

• 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 4).

Clearing paper jams

 To avoid tearing the paper, pull the jammed paper out slowly and gently.

In tray

 Click this link to open an animation about clearing a jam.
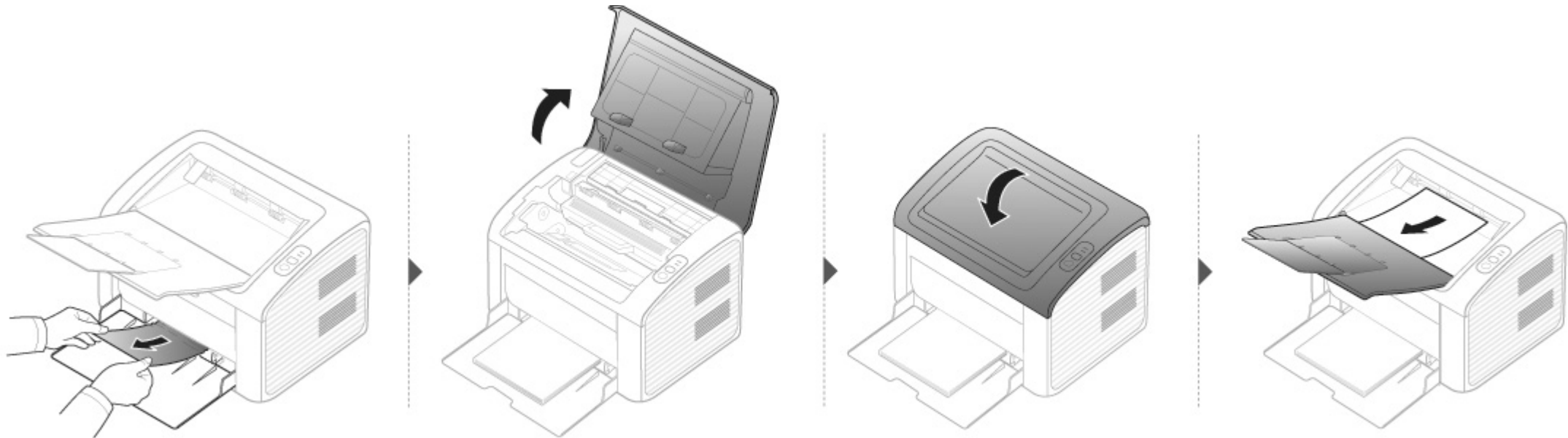
Clearing paper jams

Inside the machine

 Click this link to open an animation about clearing a jam.

- The fuser area is hot. Take care when removing paper from the machine.
- Before opening the top cover, close the output support first.
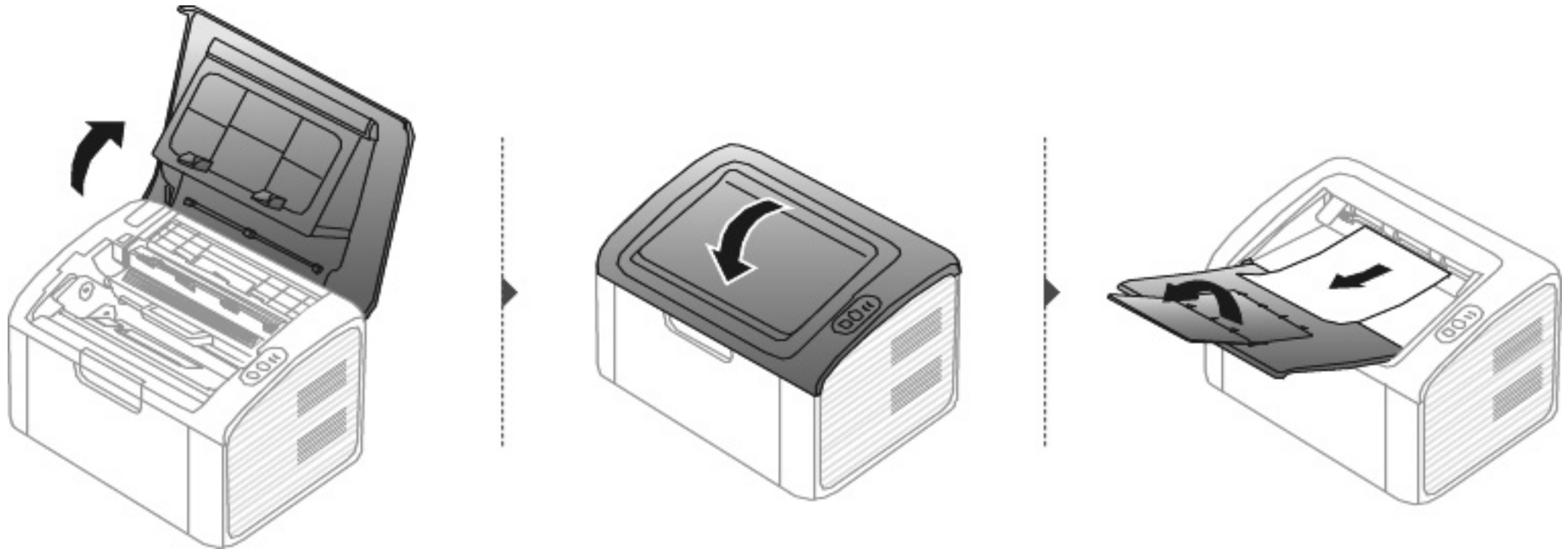
Clearing paper jams

If you do not see the paper in this area, stop and go to next step:
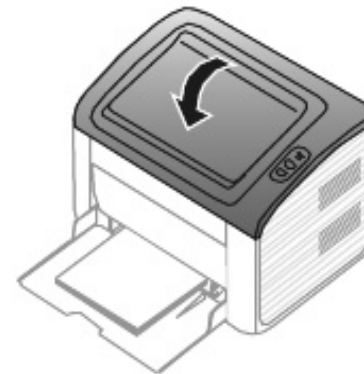
Understanding the status LED

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.

Understanding the status LED

Status LED

Status			Description
⟷/⚠ (Status LED)	Off		The machine is off-line or save mode.
	Green	Blinking	• When the backlight slowly blinks, the machine is receiving data from the computer. • When the backlight blinks rapidly, the machine is printing data.
		On	The machine is on-line and can be used.
	Red	Blinking	Waiting for a ▣ (**Print screen)** button to be pressed for manual printing.
		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 4). • The machine has stopped due to a major error.
	Orange	Blinking	Upgrading firmware.
		On	A paper jam has occurred (see "Clearing paper jams" on page 3).

Understanding the status LED

Toner LED/ WPS LED

Status			Description
⊡ (Toner LED)	Orange	Blinking	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 7).
		On	A toner cartridge has almost reached its estimated cartridge life[1]. It is recommended to replace the toner cartridge (see "Replacing the toner cartridge" on page 8).
		Off	All toner cartridges are at normal capacity.
⚡ (WPS LED)[2]	Blue	Blinking	The machine is connecting to a wireless network.
		On	The machine is connected to a wireless network (see "Using the WPS button" on page 20).
		Off	The machine is disconnected from a wireless network.
⏻ (Power LED)	Blue	On	The machine is in power save mode.
		Off	The machine is in ready mode or the machine's power is off.

1. 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.
2. Wireless model only (see "Features by models" on page 4).

5. Appendix

This chapter provides product specifications and information concerning applicable regulations.
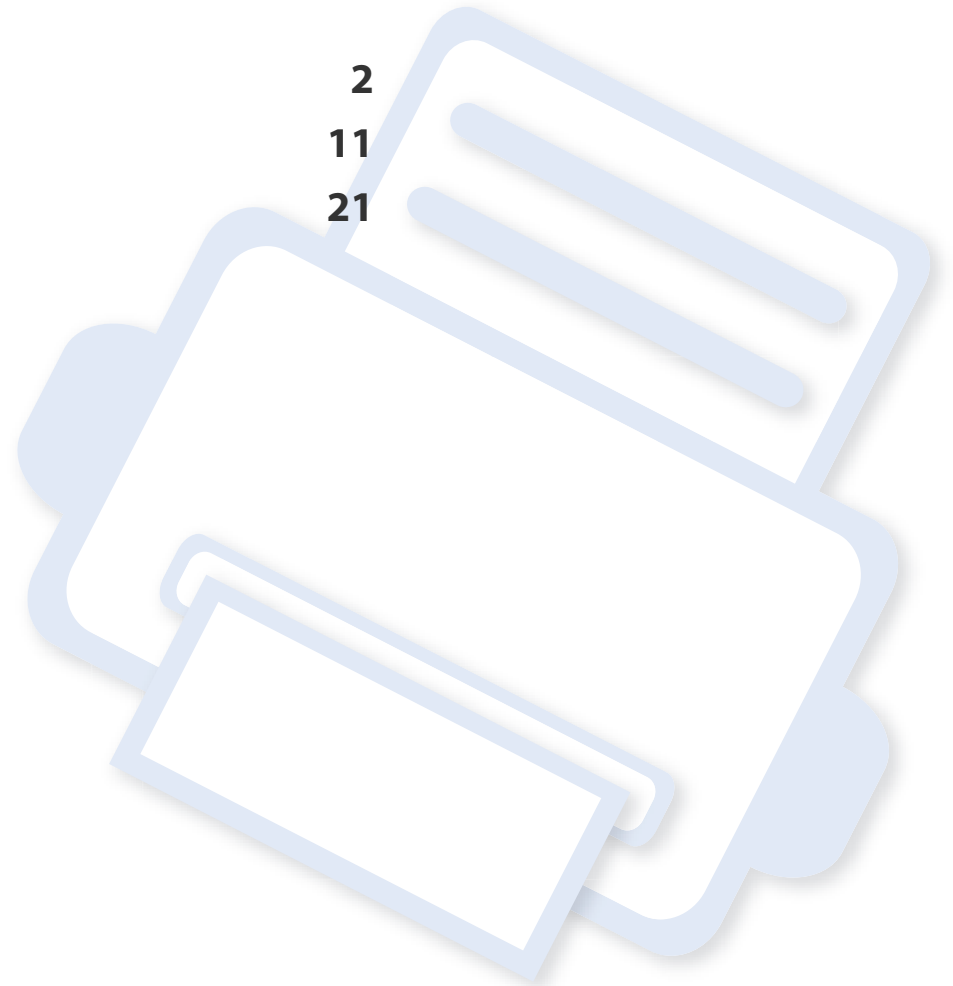
Specifications

General specifications

 The specification values listed below are subject to change without notice. See **www.samsung.com** for possible changes in information.

Items		Description
Dimension	Width x Length x Height	332 x 215 x 178 mm (13.07 x 8.46 x 7.01 inches)
Weight	Machine with consumables	4.95 kg (10.91 lbs)
Noise Level[1]	Ready mode	Less than 26 dB (A)
	Print mode	Less than 50 dB (A)
Temperature	Operation	10 to 32℃ (50 to 90℉)
	Storage (packed)	-20 to 40℃ (-4 to 104℉)
Humidity	Operation	10 to 80% RH
	Storage (packed)	20 to 95% RH
Power rating[2]	110 volt models	AC 110 - 127 V
	220 volt models	AC 220 - 240 V

Specifications

Items		Description
Power consumption	**Average operating mode**	Less than 310W
	Ready mode	Less than 30 W
	Power save mode	Less than 0.9 W (M-202x Series), Less than 1.2 W (M-202xW Series)
	Power off mode	Less than 0.45 W (0.1 W[3])
Wireless [4]	**Module**	T77H262 / SPW-B4319S

1. Sound Pressure Level, ISO 7779. Configuration tested: basic machine installation, A4 paper, simplex printing.
2. See the rating label on the machine for the correct voltage (V), frequency (hertz) and type of current (A) for your machine.
3. For the machine that has a power switch.
4. Wireless model only (see "Features by models" on page 4).

Specifications

Print media specifications

Type	Size	Dimensions	Print media weight/Capacity[1]	
			Tray	Manual feeding in tray[2]
Plain paper	Letter	216 x 279 mm (8.5 x 11 inches)	71 to 85 g/m^2 (19 to 23 lbs bond) • 150 sheets of 80 g/m^2 (21 lbs bond)	71 to 85 g/m^2 (19 to 23 lbs bond) • 1 sheet
	Legal	216 x 356 mm (8.5 x 14 inches)		
	US Folio	216 x 330 mm (8.5 x 13 inches)		
	A4	210 x 297 mm (8.27 x 11.69 inches)		
	Oficio	216 x 343 mm (8.5 x 13.5 inches)		
	JIS B5	182 x 257 mm (7.17 x 10.12 inches)		
	ISO B5	176 x 250 mm (6.93 x 9.84 inches)		
	Executive	184 x 267 mm (7.25 x 10.5 inches)		
	A5	148 x 210 mm (5.83 x 8.27 inches)		
Envelope	Envelope Monarch	98 x 191 mm (3.87 x 7.5 inches)	75 to 90 g/m^2 (20 to 24 lbs bond) • 10 sheets	75 to 90 g/m^2 (20 to 24 lbs bond) • 1 sheet
	Envelope No. 10	105 x 241 mm (4.12 x 9.5 inches)		
	Envelope DL	110 x 220 mm (4.33 x 8.66 inches)		
	Envelope C5	162 x 229 mm (6.38 x 9.02 inches)		

Specifications

| Type | Size | Dimensions | Print media weight/Capacity[1] | |
			Tray	Manual feeding in tray[2]
Thick paper	**Refer to the Plain paper section**	Refer to the Plain paper section	86 to 120 g/m^2 (23 to 32 lbs bond) • 50 sheets of 120 g/m^2 (32 lbs bond)	86 to 120 g/m^2 (23 to 32 lbs bond) • 1 sheet
Thin paper	**Refer to the Plain paper section**	Refer to the Plain paper section	60 to 70 g/m^2 (16 to 19 lbs bond) • 160 sheets of 60 g/m^2 (16 lbs bond)	60 to 70 g/m^2 (16 to 19 lbs bond) • 1 sheet
Cotton	**Refer to the Plain paper section**	Refer to the Plain paper section	75 to 90 g/m^2 (20 to 24 lbs bond) • 150 sheets of 80 g/m^2 (21 lbs bond)	75 to 90 g/m^2 (20 to 24 lbs bond) • 1 sheet
Colored	**Refer to the Plain paper section**	Refer to the Plain paper section	75 to 90 g/m^2 (20 to 24 lbs bond) • 150 sheets of 80 g/m^2 (21 lbs bond)	75 to 90 g/m^2 (20 to 24 lbs bond) • 1 sheet
Pre-printed	**Refer to the Plain paper section**	Refer to the Plain paper section	75 to 90 g/m^2 (20 to 24 lbs bond) • 150 sheets of 80 g/m^2 (21 lbs bond)	75 to 90 g/m^2 (20 to 24 lbs bond) • 1 sheet
Recycled	**Refer to the Plain paper section**	Refer to the Plain paper section	60 to 90 g/m^2 (16 to 24 lbs bond) • 150 sheets of 80 g/m^2 (21 lbs bond)	60 to 90 g/m^2 (16 to 24 lbs bond) • 1 sheet

Specifications

Type	Size	Dimensions	Print media weight/Capacity[1]	
			Tray	Manual feeding in tray[2]
Labels[3]	Letter, Legal, Oficio, US Folio, A4, JIS B5, ISO B5, Executive, A5	Refer to the Plain paper section	120 to 150 g/m^2 (32 to 40 lbs bond) • 10 sheets	120 to 150 g/m^2 (32 to 40 lbs bond) • 1 sheet
Card stock	Letter, Legal, Oficio, US Folio, A4, JIS B5, ISO B5, Executive, A5, Postcard 4x6	Refer to the Plain paper section	121 to 163 g/m^2 (32 to 43 lbs bond) • 10 sheets	121 to 163 g/m^2 (32 to 43 lbs bond) • 1 sheet
Bond paper	Refer to the Plain paper section	Refer to the Plain paper section	• 10 sheets	• 1 sheet
Archive	Refer to the Plain paper section	Refer to the Plain paper section	• 100 sheets	• 1 sheet
Minimum size (custom)	76 x 127 mm (3 x 5 inches)	60 to 163 g/m^2 (16 to 43 lbs bond)		
Maximum size (custom)	216 x 356 mm (8.5 x 14 inches)			

1. Maximum capacity may differ depending on media weight, thickness, and environmental conditions.
2. Feed one sheet at a time.
3. The smoothness of the labels used in this machine is 100 to 250 (sheffield). This means the numeric level of smoothness.

Specifications

System requirements

Microsoft® Windows®

Operating system	Requirement (recommended)		
	CPU	RAM	free HDD space
Windows® 2000	Intel® Pentium® II 400 MHz (Pentium III 933 MHz)	64 MB (128 MB)	600 MB
Windows® XP	Intel® Pentium® III 933 MHz (Pentium IV 1 GHz)	128 MB (256 MB)	1.5 GB
Windows Server® 2003	Intel® Pentium® III 933 MHz (Pentium IV 1 GHz)	128 MB (512 MB)	1.25 GB to 2 GB
Windows Server® 2008	Intel® Pentium® IV 1 GHz (Pentium IV 2 GHz)	512 MB (2 GB)	10 GB
Windows Vista®	Intel® Pentium® IV 3 GHz	512 MB (1 GB)	15 GB
Windows® 7	Intel® Pentium® IV 1 GHz 32-bit or 64-bit processor or higher	1 GB (2 GB)	16 GB
	• 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

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

Operating system	Requirements (Recommended)		
	CPU	**RAM**	**Free HDD space**
Mac OS X 10.4	• Intel® processors • PowerPC G4/ G5	• 128 MB for a powerPC based Mac (512 MB) • 512 MB for an Intel-based Mac (1 GB)	1 GB
Mac OS X 10.5	• Intel® processors • 867 MHz or faster Power PC G4/ G5	512 MB (1 GB)	1 GB
Mac OS X 10.6	• Intel® processors	1 GB (2 GB)	1 GB
Mac OS X 10.7	• Intel® processors	2 GB	4 GB

Specifications

Linux

Items	Requirements
Operating system	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) 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	Pentium IV 2.4GHz (Intel Core™2)
RAM	512 MB (1 GB)
Free HDD space	1 GB (2 GB)

Specifications

Network environment

 Network and wireless models only (see "Features by models" on page 4).

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	Specifications
Network interface	• 802.11b/g/n Wireless LAN
Network operating system	• Windows 2000/Server 2003 /Server 2008/XP/Vista/7/Server 2008 R2 • Various Linux OS • Mac OS X 10.4 ~ 10.7 • Unix
Network protocols	• TCP/IPv4 • DHCP, BOOTP • 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

Regulatory information

This machine is designed for a normal work environment and certified with several regulatory statements.

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 60825-1 : 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.

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:

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.

Regulatory information

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.

Recycling

Recycle or dispose of the packaging material for this product in an environmentally responsible manner.

China only

回收和再循环
为了保护环境，我公司已经为废弃的产品建立了回收和再循环系统。
我们会为您无偿提供回收同类废旧产品的服务。
当您要废弃您正在使用的产品时，请您及时与授权耗材更换中心取得联系，
我们会及时为您提供服务。
中国能效标识

型号	能效等级	典型能耗 (kW·h)
ML-2166W	1	0.72
ML-2166	1	
ML-2161		0.76

依据国家标准 : GB 25956-2010

Regulatory information

Correct disposal of this product (Waste electrical & electronic equipment)

(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.

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

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.

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.

 Change 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 édictée par l'Industrie et Sciences Canada.

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.

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.

⚠ 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.

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.

Russia only

Germany only

Das Gerät ist nicht für die Benutzung am Bildschirmarbeitsplatz gemäß BildscharbV vorgesehen.

Regulatory information

Turkey only

- **RoHS**

  EEE Yönetmeliğine Uygundur.
  This EEE is compliant with RoHS.

- Bu ürünün ortalama yaşam süresi 7 yıl, garanti suresi 2 yildir.

Replacing the fitted plug (for UK only)

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.

⚠ 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:

⏚ You must earth this machine.

The wires in the mains lead have the following color code:

- **Green and Yellow:** Earth
- **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.

Regulatory information

Declaration of conformity (European countries)

Approvals and Certifications

- Hereby, Samsung Electronics, declares that this [M-202x 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 [M-202xW 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.

EC Certification

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.

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.

The power output of the wireless device or devices that may be embedded in you printer is well below the RF exposure limits as set by the European Commission through the R&TTE directive.

European states qualified under wireless approvals:

EU countries

European states with restrictions on use:

EU

In France, the frequency range is restricted to 2454-2483.5 MHz for devices above 10 mW transmitting power such as wireless

EEA/EFTA countries

No limitations at this time

Regulatory compliance statements

Wireless guidance

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. The following section is a general overview of considerations while operating a wireless device.

Additional limitations, cautions, and concerns for specific countries are listed in the specific country sections (or country group sections). The wireless devices in your system are only qualified for use in the countries identified by the Radio Approval Marks on the system rating label. If the country you will be using the wireless device in, is not listed, contact your local Radio Approval agency for requirements. Wireless devices are closely regulated and use may not be allowed.

The power output of the wireless device or devices that may be embedded in your printer is well below the RF exposure limits as known at this time. Because the wireless devices (which may be embedded into your printer) emit less energy than is allowed in radio frequency safety standards and recommendations, manufacturer believes these devices are safe for use. Regardless of the power levels, care should be taken to minimize human contact during normal operation.

Regulatory information

As a general guideline, a separation of 20 cm (8 inches) between the wireless device and the body, for use of a wireless device near the body (this does not include extremities) is typical. This device should be used more than 20 cm (8 inches) from the body when wireless devices are on and transmitting.

This transmitter must not be collocated or operation in conjunction with any other antenna or transmitter.

Some circumstances require restrictions on wireless devices. Examples of common restrictions are listed below:

> Radio frequency wireless communication can interfere with equipment on commercial aircraft. Current aviation regulations require wireless devices to be turned off while traveling in an airplane. IEEE 802.11 (also known as wireless Ethernet) and Bluetooth communication devices are examples of devices that provide wireless communication.

> In environments where the risk of interference to other devices or services is harmful or perceived as harmful, the option to use a wireless device may be restricted or eliminated. Airports, Hospitals, and Oxygen or flammable gas laden atmospheres are limited examples where use of wireless devices may be restricted or eliminated. When in environments where you are uncertain of the sanction to use wireless devices, ask the applicable authority for authorization prior to use or turning on the wireless device.

> Every country has different restrictions on the use of wireless devices. Since your system is equipped with a wireless device, when traveling between countries with your system, check with the local Radio Approval authorities prior to any move or trip for any restrictions on the use of a wireless device in the destination country.

> If your system came equipped with an internal embedded wireless device, do not operate the wireless device unless all covers and shields are in place and the system is fully assembled.

> 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.

> Only use drivers approved for the country in which the device will be used. See the manufacturer System Restoration Kit, or contact manufacturer Technical Support for additional information.

Israel only

מס׳ אישור אלחוטי של משרד התקשורת הוא 28466-51
אסור להחליף את האנטנה המקורית של המכשיר,
ולא לעשות בו כל שינוי טכני אחר.

Regulatory information

China only

产品中有毒有害物质或元素的名称及含量

部件名称	有毒有害物质或元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr⁶⁺)	多溴联苯 (PBB)	多溴联苯醚 (PBDE)
塑料	O	O	O	O	O	O
金属 (机箱)	X	O	O	O	O	O
印刷电路部件 (PCA)	X	O	O	O	O	O
电缆 / 连接器	X	O	O	O	O	O
电源设备	X	O	O	O	O	O
电源线	X	O	O	O	O	O
机械部件	X	O	O	O	O	O
卡盒部件	X	O	O	O	O	O
定影部件	X	O	O	O	O	O
扫描仪部件 - CCD (如果有)	X	X	O	O	O	O
扫描仪部件 - 其它 (如果有)	X	O	O	O	O	O
印刷电路板部件 (PBA)	X	O	O	O	O	O
墨粉	O	O	O	O	O	O
滚筒	O	O	O	O	O	O

O：表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T 11363-2006 标准规定的限量要求以下。

X：表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 SJ/T 11363-2006 标准规定的限量要求。

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REV. 1.1

User's Guide

M-202x Series
M-202xW Series

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.

BASIC

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

1. Software installation

This chapter provides instructions for installing essential and helpful software for use in an environment where the machine is connected via a cable. 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 Installing driver over the network6).

- **Installation for Macintosh**   **2**
- **Reinstallation for Macintosh**   **3**
- **Installation for Linux**   **4**
- **Reinstallation for Linux**   **6**

- If you are a Windows OS user, refer to the "Installing the driver locally" on page 19 for installing the machine's driver.

- Only use a USB cable no longer then 3 meter (118 inches).

Installation for Macintosh

1 Make sure that the machine is connected to your computer and powered on.

2 Insert the supplied software CD into your CD-ROM drive.

3 Double-click the CD-ROM icon that appears on your Macintosh desktop.

4 Double-click the **MAC_Installer** folder > **Installer OS X** icon.

5 Click **Continue**.

6 Read the license agreement and click **Continue**.

7 Click **Agree** to agree to the license agreement.

8 When the message that warns that all applications will close on your computer appears, click **Continue**.

9 Click **Continue** on the **User Options Pane**.

10 Click **Install**. All components necessary for machine operations will be installed.

If you click **Customize**, you can choose individual components to install.

11 Enter the password and click **OK**.

12 Installing software requires you to restart your computer. Click **Continue Installation**.

13 After the installation is finished, click **Close**.

14 Open the **Applications** folder > **Utilities** > **Print Setup Utility**.

• For Mac OS X 10.5 -10.7, open the **Applications** folder > **System Preferences** and click **Print & Fax**.

15 Click **Add** on the **Printer List**.

• For Mac OS X 10.5 -10.7, click the "**+**" folder icon; a display window will pop up.

16 Click **Default Browser** and find the USB connection.

• For Mac OS X 10.5-10.7, click **Default** and find the USB connection.

17 For Mac OS X 10.4, if Auto Select does not work properly, select **Samsung** in **Print Using** and your machine name in **Model**.

• For Mac OS X 10.5-10.7, if Auto Select does not work properly, select **Select a driver to use...** and your machine name in **Print Using**.

Your machine appears on the **Printer List**, and is set as the default machine.

18 Click **Add**.

Reinstallation for Macintosh

If the printer driver does not work properly, uninstall the driver and reinstall it.

1   Make sure that the machine is connected to your computer and powered on.

2   Insert the supplied software CD into your CD-ROM drive.

3   Double-click the CD-ROM icon that appears on your Macintosh desktop.

4   Double-click the **MAC_Installer** folder > **Uninstaller OS X** icon.

5   Enter the password and click **OK**.

6   When the uninstall is done, click **OK**.

> If a machine has already been added, delete it from the **Print Setup Utility** or **Print & Fax**.

Installation for Linux

You need to download Linux software packages from the Samsung website to install the printer software (http://www.samsung.com > find your product > Support or Downloads).

Installing the Unified Linux Driver

1 Make sure that the machine is connected to your computer and powered on.

2 When the **Administrator Login** window appears, type "root" in the **Login** field and enter the system password.

 You must log in as a super user (root) to install the machine software. If you are not a super user, ask your system administrator.

3 From the Samsung website, download the Unified Linux Driver package to your computer.

4 Right-click the **Unified Linux Driver** package and extract the package.

5 Double click **cdroot** > **autorun**.

6 When the welcome screen appears, click **Next**.

7 When the installation is complete, click **Finish**.

The installation program added the Unified Driver Configurator desktop icon and the Unified Driver group to the system menu for your convenience. If you have any difficulties, consult the on-screen help that is available through your system menu or from the driver package Windows applications, such as **Unified Driver Configurator** or **Image Manager**.

Installing the Smart Panel

1 Make sure that the machine is connected to your computer and powered on.

2 When the **Administrator Login** window appears, type in root in the **Login** field and enter the system password.

 You must log in as a super user (root) to install the machine software. If you are not a super user, ask your system administrator.

3 From the Samsung website, download the **Smart Panel** package to your computer.

4 Right-click the Smart Panel package and extract the package.

5 Double click **cdroot** > **Linux** > **smartpanel** > **install.sh**.

Installation for Linux

Installing the Printer Settings Utility

1 Make sure that the machine is connected to your computer and powered on.

2 When the **Administrator Login** window appears, type "root" in the **Login** field and enter the system password.

 You must log in as a super user (root) to install the machine software. If you are not a super user, ask your system administrator.

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3 From the Samsung website, download the Printer Settings Utility package to your computer.

4 Right-click the **Printer Settings Utility** package and extract the package.

5 Double click **cdroot** > **Linux** > **psu** > **install.sh**.

Reinstallation for Linux

If the printer driver does not work properly, uninstall the driver and reinstall it.

1 Make sure that the machine is connected to your computer and powered on.

2 When the **Administrator Login** window appears, type "root" in the **Login** field and enter the system password.

You must log in as a super user (root) to uninstall the printer driver. If you are not a super user, ask your system administrator.

3 Click the icon at the bottom of the desktop. When the Terminal screen appears, type in the following.

[root@localhost root]#cd /opt/Samsung/mfp/uninstall/[root@localhost uninstall]#./uninstall.sh

4 Click **Uninstall**.

5 Click **Next**.

6 Click **Finish**.

2. Using a network-connected machine

This chapter gives you step-by-step instructions for setting up a network connected machine and software.

Supported optional devices and features may differ according to your model (see "Features by models" on page 4).

Useful network programs

There are several programs available to setup the network settings easily in a network environment. For the network administrator especially, managing several machines on the network is possible.

 • Before using the programs below, set the IP address first.
 • Some features and optional goods may not be available depending on model or country (see "Features by models" on page 4).

SyncThru™ Web Service

The web server embedded on your network machine allows you to do the following tasks (see "Using SyncThru™ Web Service" on page 16):

• Check the supplies information and status.

• Customize machine settings.

• Set the email notification option. When you set this option, the machine status (toner cartridge shortage or machine error) will be sent to a certain person's email automatically.

• Configure the network parameters necessary for the machine to connect to various network environments.

SyncThru™ Web Admin Service

Web-based machine management solution for network administrators. SyncThru™ Web Admin Service provides you with an efficient way of managing network devices and lets you remotely monitor and troubleshoot network machines from any site with corporate internet access.

• Download this program from http://solution.samsungprinter.com.

SetIP

This utility program allows you to select a network interface and manually configure the IP addresses for use with the TCP/IP protocol.

• See "IPv4 configuration using SetIP (Windows)" on page 3.

• See "IPv4 configuration using SetIP (Macintosh)" on page 4.

• See "IPv4 configuation using SetIP (Linux)" on page 5.

 • The machine that does not support the network interface, it will notbe able to use this feature (see "Rear view" on page 15).
 • TCP/IPv6 is not supported by this program.

Wired network setup

You must set up the network protocols on your machine to use it on your network.

You can use network after connecting network cable to a corresponding port on your machine.

- For models that do not have the display screen on the control panel, use the SyncThru™ Web Service or SetIP program.
  - See "Using SyncThru™ Web Service" on page 5.
  - See "Setting IP address" on page 3.

- For models that have the display screen on the control panel, configure the network setting by pressing 🖥️ (**Menu**) button > **Network** on the control panel.

Printing a network configuration report

You can print **Network Configuration Report** from the machine's control panel that will show the current machine's network settings. This will help you to set up a network.

- **The machine has the display screen:** Press the 🖥️ (**Menu**) button on the control panel and select **Network** > **Network Config.** (**Network Configuration**)> **Yes**.

- **The machine does not have the display screen:** Press the ⊗ (**Cancel** or **Stop/Clear**) button for more than five seconds on the control panel.

- The machine without the ⊗ (**Cancel** or **Stop/Clear**) button: Press the (**WPS**) 🔗 button formore than ten seconds on the control panel.

Using this **Network Configuration Report**, you can find your machine's MAC address and IP address.

For example:

- MAC Address: 00:15:99:41:A2:78

- IP Address: 165.254.192.192

Setting IP address

> - The machine that does not support the network interface, it will notbe able to use this feature (see "Rear view" on page 15)
> - TCP/IPv6 is not supported by this program.
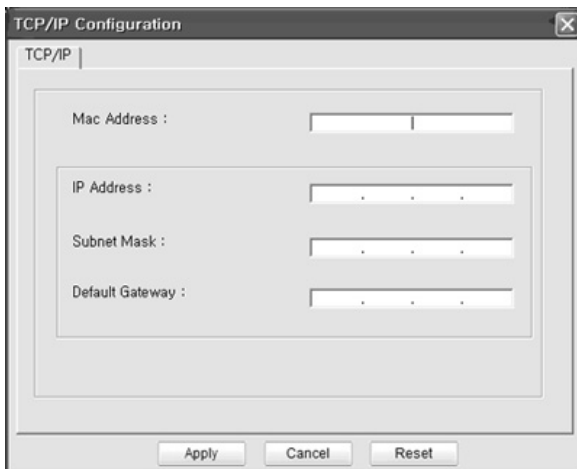
First, you have to set up an IP address for network printing and managements. In most cases a new IP address will be automatically assigned by a DHCP (Dynamic Host Configuration Protocol) server located on the network.

IPv4 configuration using SetIP (Windows)

Before using the SetIP program, disable the computer firewall from **Control Panel** > **Security Center** > **Windows Firewall**.

Wired network setup

1 Install this program from the supplied CD-ROM by double-click **Application** > **SetIP** > **Setup.exe**.

2 Follow the instructions in the installation window.

3 Connect your machine to the network with a network cable.

4 Turn on the machine.

5 From the Windows **Start** menu, select **All Programs** > **Samsung Printers** > **SetIP** > **SetIP**.

6 Click the ⬚ icon (third from left) in the SetIP window to open the TCP/IP configuration window.

7 Enter the machine's new information into the configuration window as follows. In a corporate intranet, you may need to have this information assigned by a network manager before proceeding.

 | Find the machine's MAC address from the **Network Configuration Report** (see "Printing a network configuration report" on page 3) and enter it without the colons. For example, 00:15:99:29:51:A8 becomes 0015992951A8.

8 Click **Apply**, and then click **OK**. The machine will automatically print the **Network Configuration Report**. Confirm that all the settings are correct.

IPv4 configuration using SetIP (Macintosh)

Before using the SetIP program, disable the computer firewall from **System Preferences** > **Security** > **Firewall**.

 | The following instructions may differ for your model.

1 Connect your machine to the network with a network cable.

2 Insert the Installation CD-ROM, and open the disk window, select **MAC_Installer** > **MAC_Printer** > **SetIP** > **SetIPapplet.html**.

3 Double-click the file and **Safari** will automatically open, then select **Trust**. The browser will open the **SetIPapplet.html** page that shows the printer's name and IP address information.

Wired network setup

4 Click the ▢ icon (third from left) in the SetIP window to open the TCP/IP configuration window.

5 Enter the machine's new information into the configuration window. In a corporate intranet, you may need to have this information assigned by a network manager before proceeding.

> Find the machine's MAC address from the **Network Configuration Report** (see "Printing a network configuration report" on page 3) and enter it without the colons. For example, 00:15:99:29:51:A8 becomes 0015992951A8.

6 Select **Apply**, then **OK**, and **OK** again.

7 Quit **Safari**.

IPv4 configuation using SetIP (Linux)

Before using the SetIP program, disable the computer firewall from **System Preferences** or **Administrator**.

> The following instructions may vary from your model or operating systems.

1 Open **/opt/Samsung/mfp/share/utils/**.

2 Double-click the **SetIPApplet.html** file.

3 Click to open the TCP/IP configuration window.

4 Enter the machine's new information into the configuration window. In a corporate intranet, you may need to have this information assigned by a network manager before proceeding.

> Find the machine's MAC address from the **Network Configuration Report** (see "Printing a network configuration report" on page 3) and enter it without the colons. For example, 00:15:99:29:51:A8 becomes 0015992951A8.

5 The machine will automatically print the **Network Configuration Report**.

Installing driver over the network

> • The machine that does not support the network interface, it will notbe able to use this feature (see "Rear view" on page 15).
> • Some features and optional goods may not be available dependingon model or country (see "Features by models" on page 4).
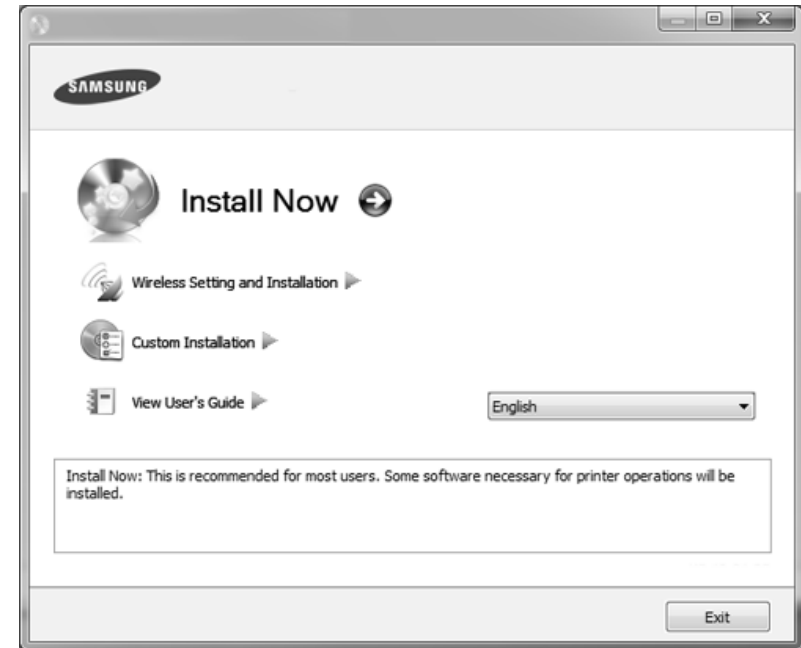
Windows

1 Make sure that the machine is connected to the network and powered on. Also, your machine's IP address should have been set (see "Setting IP address" on page 3).

> 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.

3 Select **Install Now**.

> The **Custom Installation** allows you to select the machine's connection and choose individual components to install. Follow the instructions on the window.

4 Read **License Agreement**, and select **I accept the terms of the License Agreement**. Then, click **Next**.

The program searches for the machine.

Installing driver over the network

 If your machine is not found on the network or locally, an error message appears. Select the option you want and click **Next**.

5 The searched machines will be shown on the screen. Select the one you wish to use and click **OK**.

 If the driver searched only one machine, the confirmation window appears.

6 Follow the instructions in the installation window.

Silent installation Mode

Silent installation mode is an installation method that does not require any user intervention. Once you start the installation, the machine driver and software are automatically installed on you computer. You can start the silent installation by typing **/s** or **/S** in the command window.

Command-line Parameters

Following table shows commands that can be used in the command window.

 Following command-line are effective and operated when command is used with **/s** or **/S**. But **/h**, **/H** or **/?** are exceptional commands that can be operated solely.

Command- line	Definition	Description
/s or/S	Starts silent installation.	Installs machine drivers without prompting any UIs or user intervention.
/p"<port name>" or/ P"<port name>"	Specifies printer port. Network Port will be created by use of Standard TCP/ IP Port monitor. For local port, this port must exist on system before being specified by command.	Printer port name can be specified as IP address, hostname, USB local port name or IEEE1284 port name. For example • /p"xxx.xxx.xxx.xxx" in where, "xxx.xxx.xxx.xxx" means IP address for network printer. / p"USB001", /P"LPT1:", / p"hostname" • When installing the driver silently in Korean, type in- **Setup.exe /s / L"0x0012".**

Installing driver over the network

Command- line	Definition	Description
/a"<dest_path>" or/A"<dest_path>"	Specifies destination path for installation. ✎ The destination path should be a fully qualified path.	Since machine drivers should be installed on the OS specific location, this command applies to only application software.
/i"<script filename>" or/I"<script filename>"	Specifies customized install script file for custom operation. ✎ The script filename should be a fully qualified filename.	Customized script file can be assigned for customized silent installation. This script file can be created or modified through provided installer customizing utility or by text editor. Note: This customized script file is prior than default installer setting in setup package but not prior than command-line parameters.
/n"<Printer name>" or/N"<Printer name>"	Specifies printer name. Printer instance shall be created as specified printer name.	With this parameter, you can add printer instances as your wishes.

Command- line	Definition	Description
/nd or/ND	Commands not to set the installed driver as a default machine driver.	It indicates installed machine driver will not be the default machine driver on your system if there are one or more printer drivers installed. If there is no installed machine driver on your system, then this option won't be applied because Windows OS will set installed printer driver as a default machine driver.
/x or/X	Uses existing machine driver files to create printer instance if it is already installed.	This command provides a way to install a printer instance that uses installed printer driver files without installing an additional driver.
/up"<printer name>" or/UP"<printer name>"	Removes only specified printer instance and not the driver files.	This command provides a way to remove only specified printer instance from your system without effecting other printer drivers. It will not remove printer driver files from your system.

Installing driver over the network

Command- line	Definition	Description
/d or/D	Uninstalls all device drivers and applications from your system.	This command will remove all installed device drivers and application software from your system.
/v"<share name>" or/ V"<share name>"	Shares installed machine and add other available platform drivers for Point & Print.	It will install all supported Windows OS platform's machine drivers to system and share it with specified <share name> for point and print.
/o or /O	Opens **Printers and Faxes** folder after installation.	This command will open **Printers and Faxes** folder after the silent installation.
/f"<log filename>" or/ F"<log filename>"	Specifies log filename.The default log file is created in the system temp folder if not specified.	It will create a log file to a specified folder.
/h, /H or /?	Shows Command-line Usage.	

Macintosh

1 Make sure that the machine is connected to your network and powered on.

2 Insert the supplied software CD into your CD-ROM drive.

3 Double-click the CD-ROM icon that appears on your Macintosh desktop.

4 Double-click the **MAC_Installer** folder > **Installer OS X** icon.

5 Click **Continue**.

6 Read the license agreement and click **Continue**.

7 Click **Agree** to agree to the license agreement.

8 When the message which warns that all applications will close on your computer appears, click **Continue**.

9 Click **Continue** on the **User Options Pane**.

> If you have not set the IP address yet, click Set IP address and refer to "IPv4 configuration using SetIP (Macintosh)" on page 4. If you want to set the wireless setting, refer to "Setup using Macintosh" on page 33.