

User's Guide

Samsung Printer *Xpress*

C43x series

C43xW series

BASIC

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

ADVANCED

This guide provides information about the installation, advanced configuration, operation and troubleshooting on various OS environments.

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



1. Introduction

Key benefits	4
Features by model	6
Useful to know	9
About this user's guide	10
Safety information	11
Machine overview	17
Control panel overview	20
Turning on the machine	22
Installing the driver locally	23
Reinstalling the driver	25



2. Learning the Basic Usage

Media and tray	27
Basic printing	35



3. Maintenance

Ordering supplies and accessories	41
Available supplies	42

Available maintenance parts	43
Storing the toner cartridge	44
Redistributing toner	46
Replacing the toner cartridge	48
Replacing the waste toner container	50
Replacing the imaging unit	52
Cleaning the machine	54
Tips for moving & storing your machine	56



4. Troubleshooting

Tips for avoiding paper jams	58
Clearing paper jams	59
Understanding the status LED	62



5. Appendix

Specifications	66
Regulatory information	74
Copyright	85

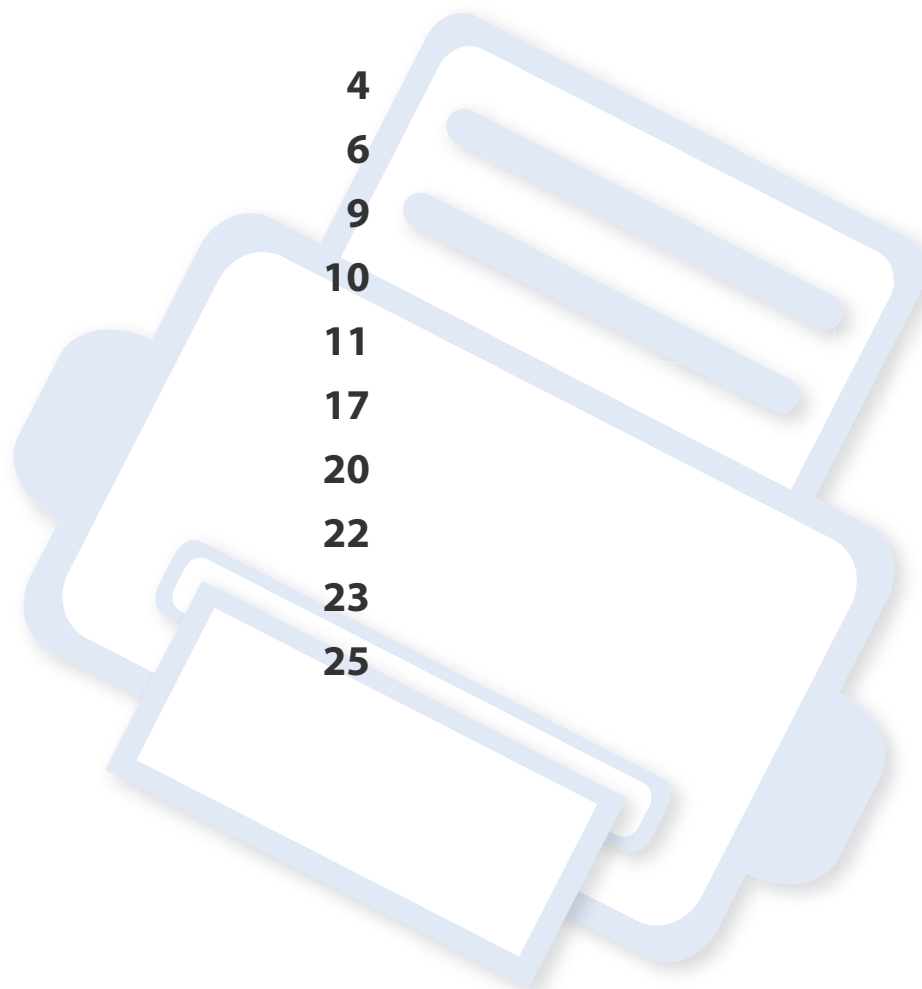


1. Introduction

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

- **Key benefits**
- **Features by model**
- **Useful to know**
- **About this user's guide**
- **Safety information**
- **Machine overview**
- **Control panel overview**
- **Turning on the machine**
- **Installing the driver locally**
- **Reinstalling the driver**

4
6
9
10
11
17
20
22
23
25



Key benefits

Environmentally friendly



- To save toner and paper, this machine supports the Eco feature (see "Easy Eco Driver" on page 155).
- To save paper, you can print multiple pages on a single sheet of paper (see "Using advanced print features" on page 140).
- To save paper, you can print on both sides of the paper (manual double-sided printing) (see "Using advanced print features" on page 140).
- To save electricity, this machine automatically conserves electricity by substantially reducing power consumption when not in use.
- We recommend using recycled paper for saving energy.

Fast high resolution printing



- You can print in a full range of colors using cyan, magenta, yellow, and black.
- You can print with a resolution of up to 2,400 x 600 dpi effective output (600 x 600 x 2 bit).
- Fast, on-demand printing.

Convenience



- Simply touch your cell phone on the NFC tag on your printer and get the print job done (see "Using the NFC feature" on page 125).
- You can print on the go from your smartphone or computer using Samsung Cloud Print apps (see "Samsung Cloud Print" on page 132).
- You can print on the go from your smartphone or computer using Google Cloud Print enabled apps (see "Google Cloud Print™" on page 134).
- Easy Capture Manager allows you to easily edit and print whatever you captured using the Print Screen key on the keyboard (see "Easy Capture Manager" on page 153).
- Samsung Easy Printer Manager and Samsung Printer Status 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 162 or "Using Samsung Printer Status" on page 164).
- 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 68).
- Print watermark: You can customize your documents with words, such as "**CONFIDENTIAL**" (see "Using advanced print features" on page 140).
- 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 140).
- You can print in various operating systems (see "System requirements" on page 71).
- Your machine is equipped with a USB interface and/or a network 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 107.

Features by model

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

Operating System

Operating System	C43x series	C43xW series
Windows	•	•
Mac	•	•
Linux	•	•

(•: Supported)

Features by model

Software



You can install the printer driver and software when you insert the software CD into your CD-ROM drive.

For Windows, select the printer driver and software in the **Select Software to Install** window.

Software	C43x series	C43xW series
SPL printer driver	•	•
XPS printer driver ^a	•	•
Samsung Easy Color Manager ^a	•	•
Samsung Easy Printer Manager	•	•
Samsung Printer Center	•	•
Samsung Printer Status	•	•
Eco Driver Pack ^b	•	•
Samsung Stylish Driver Pack ^c	•	•
SyncThru™ Web Service		•

a. Download the software from the Samsung website and install it: (<http://www.samsung.com> > find your product > Support or Downloads). Before installing, check whether your computer's OS support the software.

b. To use the Easy Eco Driver features, the Eco Driver Pack must be installed.

c. The printer driver includes a user interface that is optimized for touchscreens. To use this UI, click **Samsung Printer Center** > **Device Options** and then select **Stylish User Interface** (see "Using Samsung Printer Center" on page 156).

(●: Supported, Blank: Not supported)

Features by model

Variety feature

Features	C43x series	C43xW series
Hi-Speed USB 2.0	●	●
Network Interface Ethernet 10/100 Base TX wired LAN		●
Network Interface 802.11b/g/n wireless LAN ^a		●
IPv6		●
NFC (Near Field Communication) printing		●
Mopria™		●
AirPrint		●
Samaung Cloud Print		●
Google Cloud Print™		●
Wi-Fi Protected Setup™ (WPS)		●
Eco printing (Easy Eco Driver) ^b	●	●
Manual duplex (2-sided) printing ^c	●	●

a. Depending on your country, wireless LAN card may not be available. For some countries, only 802.11 b/g can be applied. Contact your local Samsung dealer or the retailer where you bought your machine.

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

c. Available for Windows OS users only.

(●: Supported, Blank: Not supported)

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 62).



A paper jam has occurred.

- Open and close the cover (see "Front view" on page 18).
- Check the instructions on removing jammed paper in this manual and troubleshoot accordingly (see "Clearing paper jams" on page 59).



Printouts are blurry.

- The toner level might be low or uneven. Shake the toner cartridge.
- Try a different print quality 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 36).
- Remove the driver and install it again (see "Installing the driver locally" on page 23).
- Select your machine as your default machine in your Windows.

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.




- Do not discard this manual, and keep it for future reference.
- 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.
	Warning	Used to alert users to the possibility of personal injury.
	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.



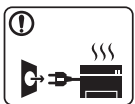


Important safety symbols

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.	

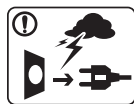





Operating environment

Warning

	<p>Do not use if the power cord is damaged or if the electrical outlet is not grounded.</p> <p>This could result in electric shock or fire.</p>
	<p>Do not place anything on top of the machine (water, small metal or heavy objects, candles, lit cigarettes, etc.).</p> <p>This could result in electric shock or fire.</p>
	<ul style="list-style-type: none">• 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. <p>This could result in electric shock or fire.</p>
	<p>Do not bend, or place heavy objects on the power cord.</p> <p>Stepping on or allowing the power cord to be crushed by a heavy object could result in electric shock or fire.</p>
	<p>Do not remove the plug by pulling on the cord; do not handle the plug with wet hands.</p> <p>This could result in electric shock or fire.</p>





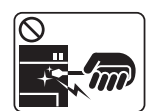

Safety information

Caution




	<p>During an electrical storm or for a period of non-operation, remove the power plug from the electrical outlet.</p> <p>This could result in electric shock or fire.</p>
	<p>Be careful, the paper output area is hot.</p> <p>Burns could occur.</p>
	<p>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.</p> <p>Otherwise, this could result in electric shock or fire.</p>
	<p>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.</p> <p>Otherwise, this could result in electric shock or fire.</p>
	<p>If the plug does not easily enter the electrical outlet, do not attempt to force it in.</p> <p>Call an electrician to change the electrical outlet, or this could result in electric shock.</p>
	<p>Do not allow pets to chew on the AC power, telephone or PC interface cords.</p> <p>This could result in electric shock or fire and/or injury to your pet.</p>

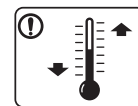
Operating method

Caution

	<p>Do not forcefully pull the paper out during printing.</p> <p>It can cause damage to the machine.</p>
	<p>Be careful not to put your hand between the machine and paper tray.</p> <p>You may get injured.</p>
	<p>Be careful when replacing paper or removing jammed paper.</p> <p>New paper has sharp edges and can cause painful cuts.</p>
	<p>When printing large quantities, the bottom part of the paper output area may get hot. Do not allow children to touch.</p> <p>Burns can occur.</p>
	<p>When removing jammed paper, do not use tweezers or sharp metal objects.</p> <p>It can damage the machine.</p>
	<p>Do not allow too many papers to stack up in the paper output tray.</p> <p>It can damage the machine.</p>

Safety information

	<p>Do not block or push objects into the ventilation opening.</p> <p>This could result in elevated component temperatures which can cause damage or fire.</p>
	<p>Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.</p>
	<p>This machine's power reception device is the power cord.</p> <p>To switch off the power supply, remove the power cord from the electrical outlet.</p>



Place the machine in the environment where it meets the operating temperature and humidity specification.


Do not use the machine when it is below freezing temperature or has recently been moved from a location below freezing temperature. Doing so may damage the machine. Only operate the machine when the internal temperature of the machine is within the operating temperature and humidity specifications.

Otherwise, quality problems can occur and cause damage to the machine.

See "General specifications" on page 66.

Installation / Moving

Warning

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

Safety information

Caution



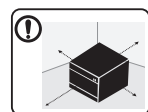
Before moving the machine, turn the power off and disconnect all cords. The information below are only suggestions based on the units weight.

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 lift the device safely.

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.



Choose a flat surface with enough space for ventilation to place the machine. Also consider the space required to open the cover and trays.

The place should be well-ventilated and be far from direct light, heat, and humidity.



When using the machine for a long period of time or printing a large number of pages in a non-ventilated space, it could pollute the air and be harmful to your health. Place the machine in a well-ventilated space or open a window to circulate the air periodically.



Do not place the machine on an unstable surface.
The machine could fall, causing injury or machine damage.



Use only No.26 AWG^a or larger, telephone line cord, if necessary.
Otherwise, it can cause damage to the machine.



Make sure you plug the power cord into a grounded electrical outlet.
Otherwise, this could result in electric shock or fire.



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 110V 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.



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.



Do not overload wall outlets and extension cords.
This can diminish performance, and could result in electric shock or fire.








The machine should be connected to the 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.

a. AWG: American Wire Gauge

Safety information

Maintenance / Checking

Caution

	<p>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.</p> <p>This could result in electric shock or fire.</p>
	<p>When you are working inside the machine replacing consumables or cleaning the inside, do not operate the machine. You could get injured.</p>
	<p>Keep cleaning consumables away from children. Children could get hurt.</p>
	<p>Do not disassemble, repair or rebuild the machine by yourself. It can damage the machine. Call a certified technician when the machine needs repairing.</p>
	<p>To clean and operate the machine, strictly follow the user's guide provided with the machine.</p> <p>Otherwise, you could damage the machine.</p>



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.








- 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.

Supply usage

Caution

	<p>Do not disassemble the toner cartridge. Toner dust can be dangerous if inhaled or ingested.</p>
	<p>Do not burn any of the consumables such as toner cartridge or fuser unit. This could cause an explosion or uncontrollable fire.</p>

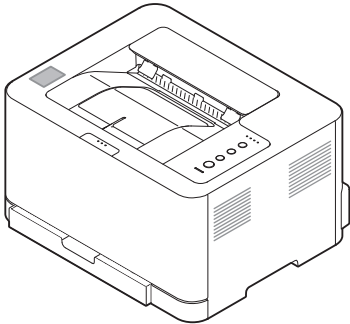
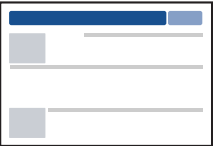

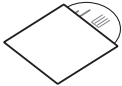
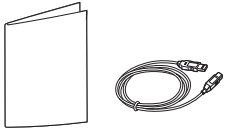
Safety information

	<p>When storing consumables such as toner cartridges, keep them away from children.</p> <p>Toner dust can be dangerous if inhaled or ingested.</p>
	<p>Using recycled consumables, such as toner, can cause damage to the machine.</p> <p>In case of damage due to the use of recycled consumables, a service fee will be charged.</p>
	<p>For consumables that contain toner dust (toner cartridge, waste toner bottle, imaging unit, etc.) follow the instructions below.</p> <ul style="list-style-type: none">• When disposing of the consumables, follow the instructions for disposal. Refer to the reseller for disposal instructions.• Do not wash the consumables.• For a waste toner bottle, do not reuse it after emptying the bottle. <p>If you do not follow the instructions above, it may cause machine malfunction and environmental pollution. The warranty does not cover damages caused by a user's carelessness.</p>
	<p>When toner gets on your clothing, do not use hot water to wash it.</p> <p>Hot water sets toner into fabric. Use cold water.</p>
	<p>When changing the toner cartridge or removing jammed paper, be careful not to let toner dust touch your body or clothes.</p> <p>Toner dust can be dangerous if inhaled or ingested.</p>

Machine overview

Components

The actual component may differ from the illustration below. Some components may change depending on the configuration.

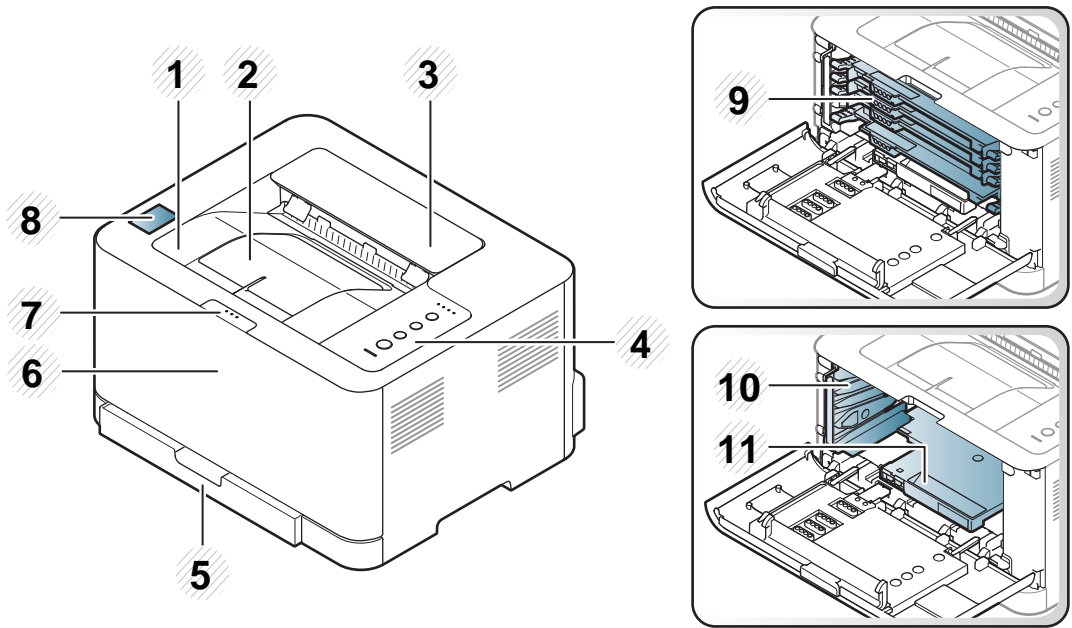
	
Machine	Quick installation guide
	
Power cord	Software CD ^a
	
Misc. accessories ^b	

a. The software CD contains the print drivers, user’s guide, and software applications.
b. 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 model" on page 6).



1	Output tray	7	Front cover release button
2	Output support	8	NFC tag ^a
3	Top cover	9	Toner cartridges
4	Control Panel	10	Waster toner container
5	Tray	11	Imaging unit
6	Front cover		

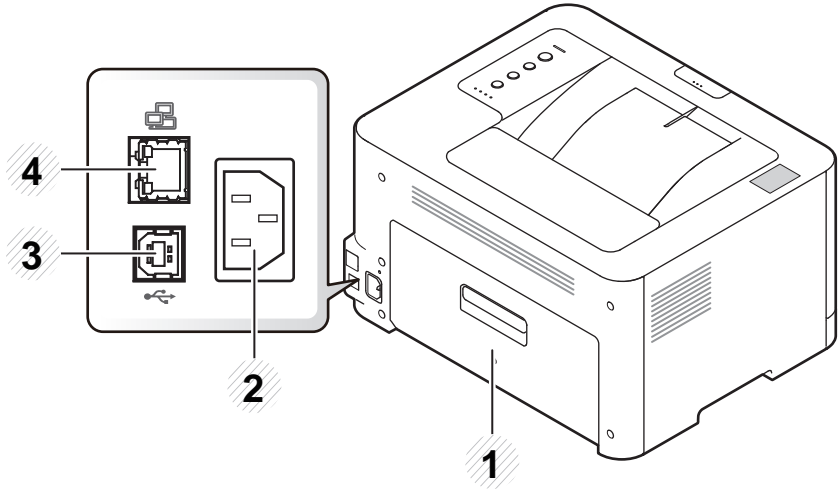
a. C43xW series only.

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 model" on page 6).

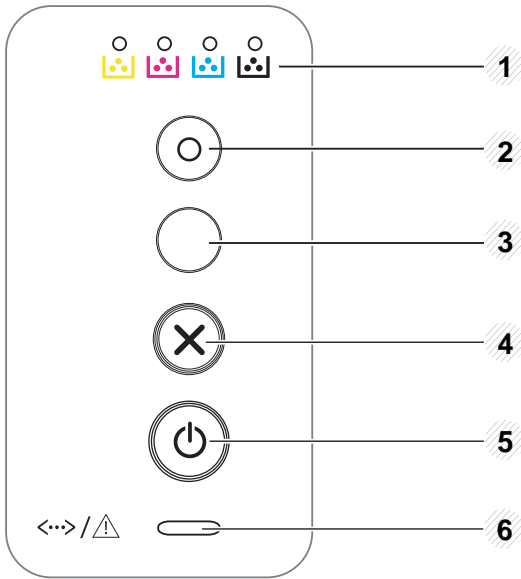


1	Rear cover
2	Power receptacle
3	USB port
4	Network port

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 63).
2	Eco	Turn into eco mode to reduce toner consumption and paper usage when pc-printing only (see "Eco printing" on page 38).

3



(WPS)^a

Configures the wireless network connection easily without a computer (see "Wireless network setup" on page 107).

- **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.






(Print screen)^b

- **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.
- **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.



- **Print Screen** can only be used in the Windows and Mac 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 Mac OS user, you need to enable **Screen Print Settings** from the Easy Printer Manager to use the Print Screen feature.

Control panel overview

4	 (Cancel)	<p>You can stop an operation at any time. You also can do the following functions.</p> <ul style="list-style-type: none">• Configuration sheet<ul style="list-style-type: none">- Press and hold this button for about 2 seconds until the green LED blinks slowly, and release.• Prints event log report / usage counter<ul style="list-style-type: none">- Press and hold this button for about 4 seconds until the green LED blinks quickly, and release.• Prints supplies info report<ul style="list-style-type: none">- Press and hold this button for about 6 seconds until the green LED on, and release.
5	 (Power/ Wake Up)	<p>You can turn the power off or wake the machine up from the sleep mode with this button.</p>
6	 (Status LED)	<p>Shows the status of your machine (see "Status LED" on page 63).</p>

a. C43xW series only.

b. C43x series only.

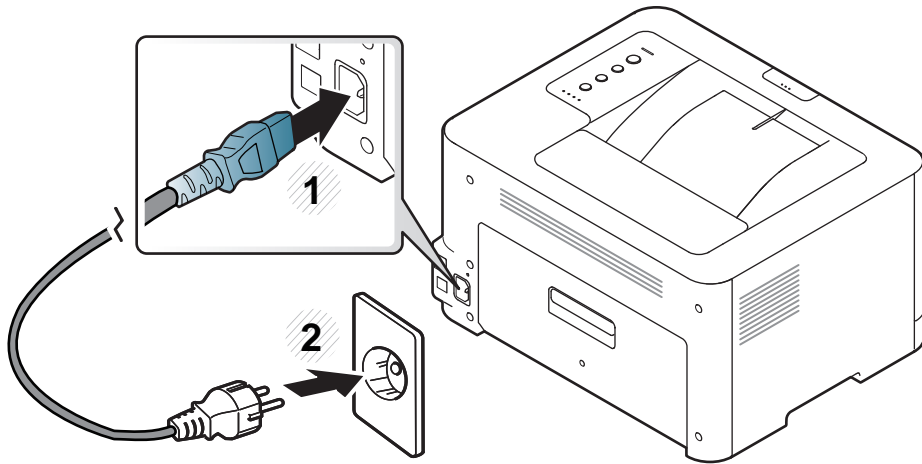
Turning on the machine




Keep in mind that you should use the power cord supplied with the machine. Otherwise, it can cause damage or fire to the machine.

1

Connect the machine to the electricity supply first.



2

press  (**Power/Wake Up**) button on the control panel.



If you want to turn the power off, press and hold  (**Power/Wake Up**) button for about 3 seconds.

Installing the driver locally

A locally connected machine is a machine directly attached to your computer using a USB 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 network" on page 99).



- If you are a Mac or Linux operating systems user, refer to the "Installation for Mac" on page 90 or "Installation for Linux" on page 92.
- The installation window in this User's Guide may differ depending on the machine and interface in use.
- 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.
- 2 Insert the supplied software CD into your CD-ROM drive.
If the installation window does not appear, click **Start > All programs > Accessories > Run**.
X:\Setup.exe replacing "X" with the letter, which represents your CD-ROM drive and click **OK**.
 - For Windows 8,

If the installation window does not appear, from **Charms**, select **Search > Apps** and search for **Run**. Type in X:\Setup.exe, replacing "X" with the letter that represents your CD-ROM drive and click **OK**.

If "**Tap to choose what happens with this disc.**" pop-up window appears, click the window and select **Run Setup.exe**.

3

Review and accept the installation agreements in the installation window. Then, click **Next**.

4

Select **USB** on the **Printer Connection Type** screen. Then, click **Next**.

5

Follow the instructions in the installation window.



You can select the software applications in the **Select Software to Install** window.

Installing the driver locally

From the Windows 8 Start Screen



- The V4 driver is automatically downloaded from the Windows Update if your computer is connected to the Internet. If not, you can manually download the V4 driver from Samsung website, www.samsung.com > find your product > Support or downloads.
- You can download Samsung Printer Experience app from the **Windows Store**. You need have a Microsoft account to use the Windows **Store**.
 - 1 From **Charms**, select **Search**.
 - 2 Click **Store**.
 - 3 Search and click **Samsung Printer Experience**.
 - 4 Click **Install**.
- If you install the driver using the supplied software CD, V4 driver is not installed. If you want to use the V4 driver in the **Desktop** screen, you can download from the Samsung website, www.samsung.com > find your product > Support or downloads.
- If you want to install Samsung's printer management tools, you need to install them using the supplied software CD.

- 1 Make sure that your computer is connected to the Internet and powered on.
- 2 Make sure that the machine is powered on.
- 3 Connect the computer and the machine with a USB cable.
The driver is automatically installed from the **Windows Update**.

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** > **Uninstall Samsung Printer Software**.
 - For Windows 8,
 - 1 From Charms, select **Search** > **Apps**.
 - 2 Search and click **Control Panel**.
 - 3 Click **Programs and Features**.
 - 4 Right-click the driver you want to uninstall and select **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 23).

From the Windows 8 Start Screen

- 1 Make sure that the machine is connected to your computer and powered on.
- 2 Click on the **Uninstall Samsung Printer Software** tile in the **Start** screen.
- 3 Follow the instructions in the window.



- If you cannot find a Samsung Printer Software tile, uninstall from the desktop screen mode.
- If you want to uninstall Samsung's printer management tools, from the **Start** screen, right-click the app > **Uninstall** > right-click the program you want to delete > **Uninstall** and follow the instruction in the window.



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.

- **Media and tray**
- **Basic printing**

27

35



Media and tray

This chapter provides information on how to load print media into your machine.



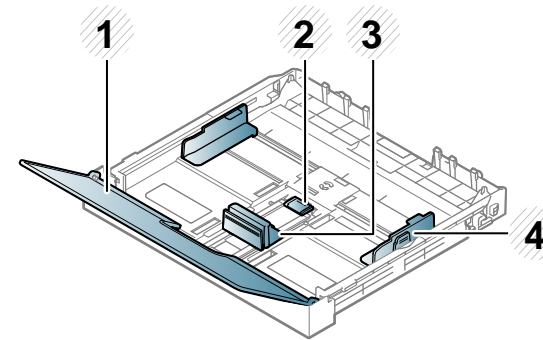
- Using print media that does not meet these specifications may cause problems or require repairs. Such repairs are not covered by Samsung's warranty or service agreements.
- Make sure not to use the inkjet photo paper with this machine. It could cause damage to the machine.
- Using inflammable print media can cause a fire.
- Use designated print media (see "Print media specifications" on page 68).



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 cover
- 2 Guide lock
- 3 Paper length guide
- 4 Paper width guide

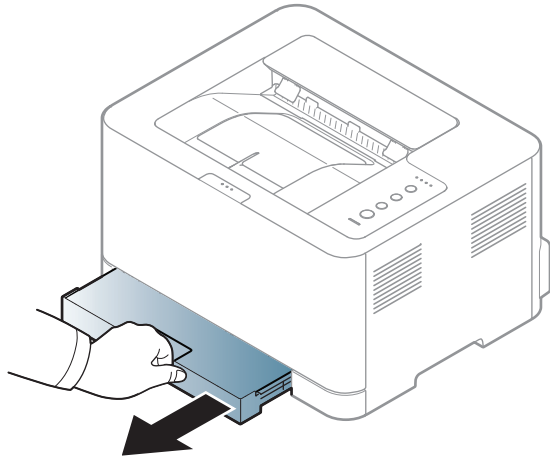


If you do not adjust the guide, it may cause paper registration, image skew, or jamming of the paper.

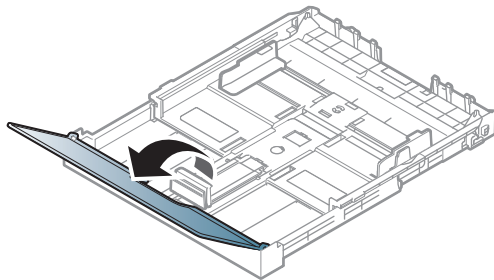
Media and tray

Loading paper in the tray

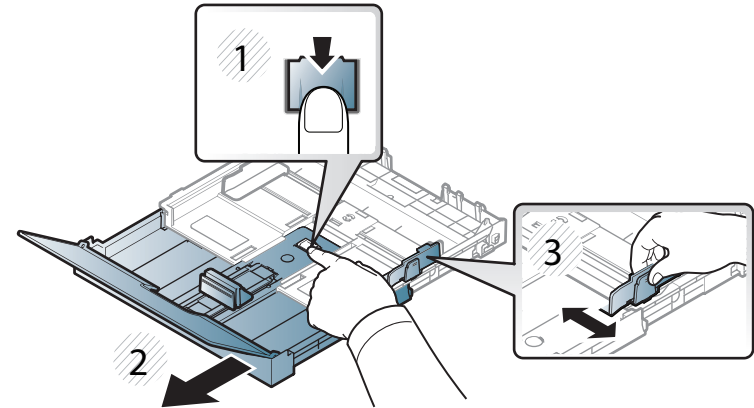
- 1 Pull out the paper tray (see "Tray overview" on page 27).



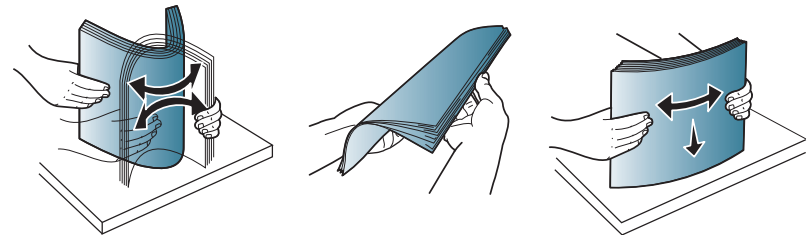
- 2 Open the paper cover.



- 3 Press and unlatch the guide lock in the tray, pull the tray out manually. Then adjust the paper length guide and paper width guide.

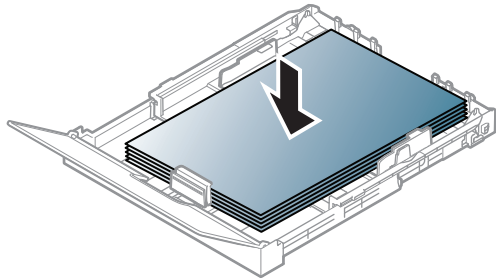


- 4 Flex or fan the edge of the paper stack to separate the pages before loading papers.

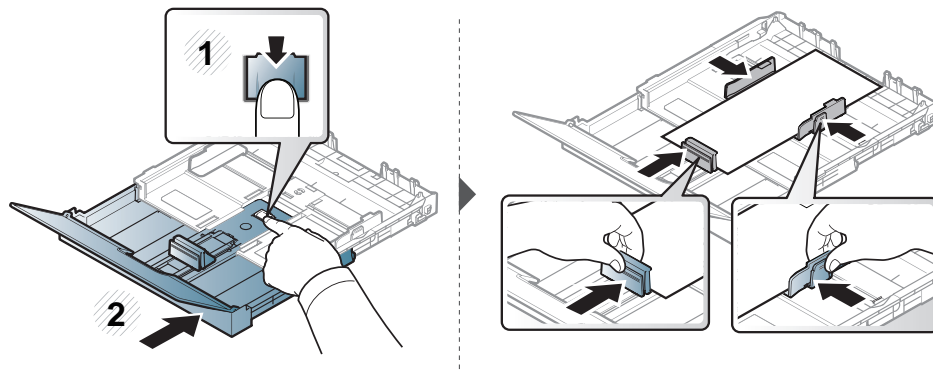


Media and tray

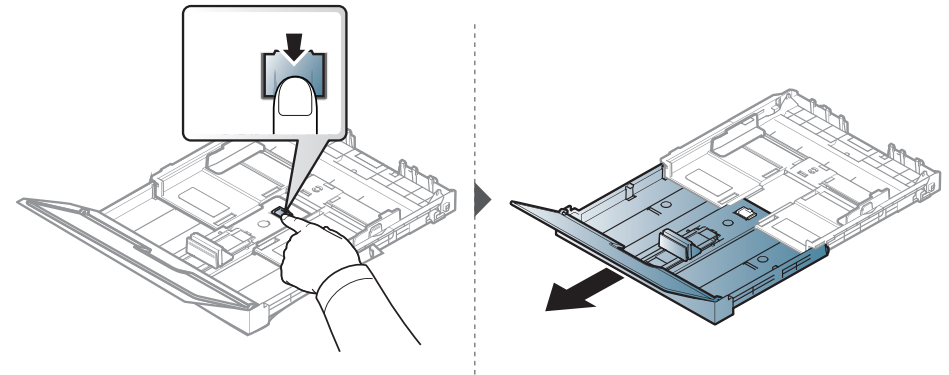
- 5 Place the paper with the side you want to print facing up.



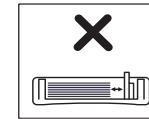
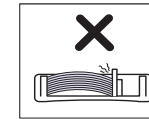
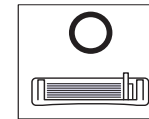
For paper smaller than Letter-sized, press and unlatch the guide lock in the tray, push the tray in manually. Then adjust the paper length guide and paper width guide.



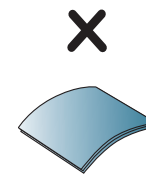
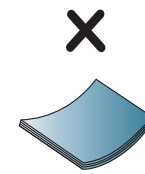
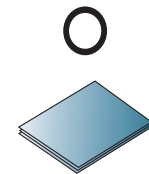
For paper longer than A4-sized (like 'Legal'), press and unlatch the guide lock in the tray, pull the tray out manually. Then adjust the paper length guide and paper width guide.



- Do not push the paper width guide too far causing the media to buckle.
- If you do not adjust the paper width guide, it may cause paper jams.

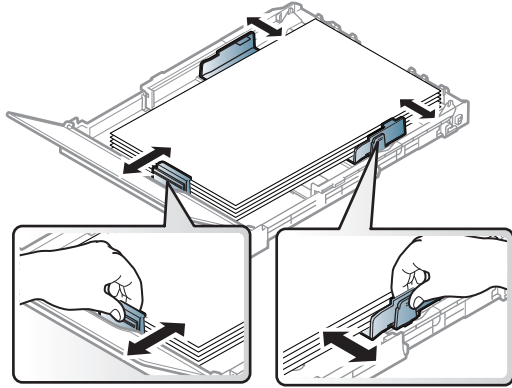


- Do not use a paper with a leading-edge curl, it may cause a paper jam or the paper can be wrinkled.

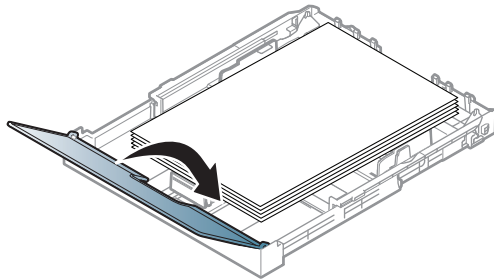


Media and tray

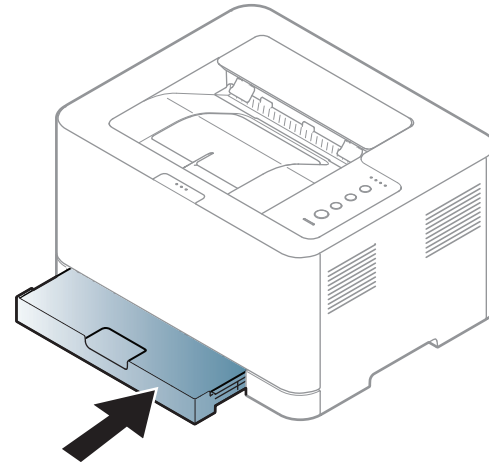
- 6 Squeeze the paper width guide and slide it to the edge of the paper stack without causing it to buckle.



- 7 Close the paper cover.



- 8 Insert the paper tray.

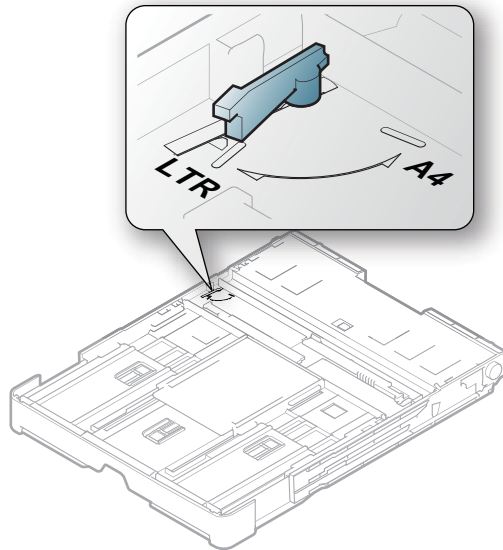


- 9 When you print a document, set the paper type and size for the tray (see "Setting the paper size and type" on page 34).

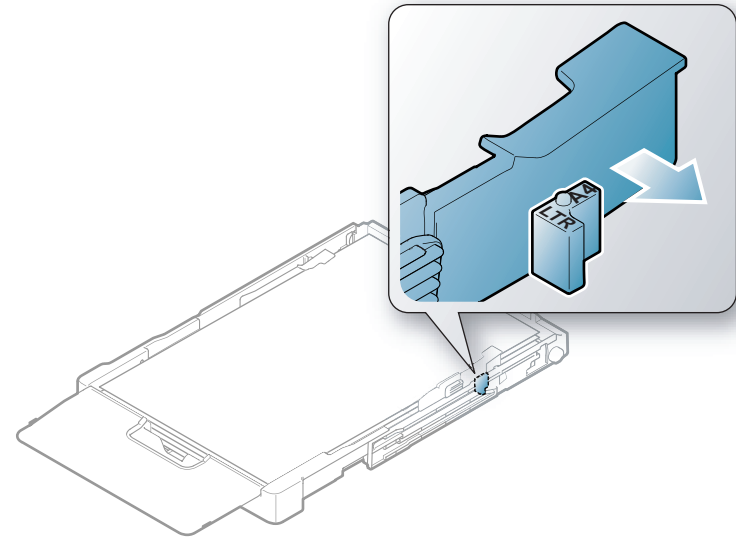
Media and tray

The tray is preset to Letter or A4 size, depending on your country. To change the size to A4 or Letter, you must adjust the lever and paper width guide properly.

- 1 Pull the tray out of the machine. Open the paper cover and remove paper from the tray if necessary.
- 2 If you want to change the size to Letter, hold the lever at the back of the tray, and rotate the lever clockwise.



- 3 Squeeze the paper width guide and slide it to the edge of the lever.



If you want to change the size to A4, first move the paper width guide to left and rotate the lever counterclockwise. If you force the lever, it could damage the tray.

Media and tray

Printing on special media

The paper setting in the machine and driver should match to print without a paper mismatch error.

- You change the paper setting set in the machine from Samsung Easy Printer Manager program or SyncThru™ Web Service.
 - If your machine is connected to the local, you can set the machine's setting from **Samsung Easy Printer Manager > Advanced Setting > Device Settings** (see "Using Samsung Easy Printer Manager" on page 162).
 - If your machine is connected to the network, you can set the machine's setting from **SyncThru™ Web Service > Settings tab > Machine Settings** (see "Using SyncThru™ Web Service" on page 159).



When using special media, we recommend you feed one sheet at a time (see "Print media specifications" on page 68).

To see paper weights for each sheet, refer to "Print media specifications" on page 68.

Types	Tray ^a
Plain	●
Thick	●
Thin	●

Types	Tray ^a
Bond	●
Color	●
CardStock	●
Labels	●
Preprinted	●
Cotton	●
Recycled	●
Archive	●
Glossy Photo	●
Matte Photo	●

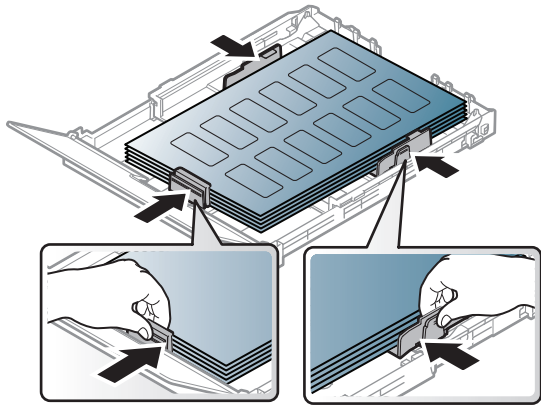
a. The paper types available manual feeding in tray.

(●: Supported)

Media and tray

Labels

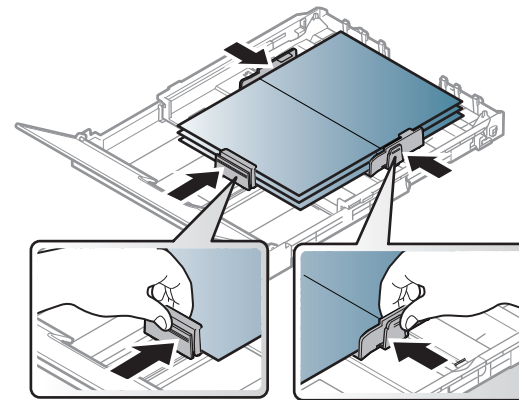
To avoid damaging the machine, use only labels designed for use in laser printers.



- 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°C (338°F)).
 - **Arrangement:** Only use labels with no exposed backing between them. Labels can peel off sheets that have spaces between the labels, causing serious jams.
 - **Curl:** Must lie flat with no more than 5 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.

Card stock/ Custom-sized paper

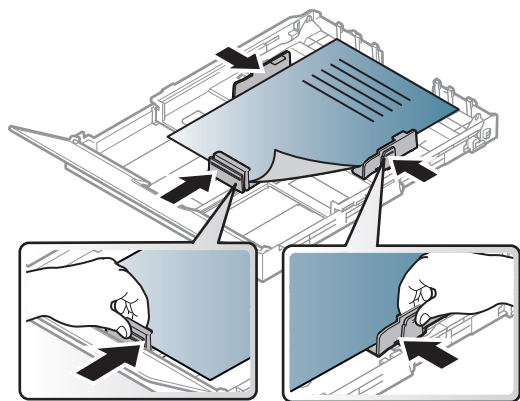


- In the software application, set margins at least 6.4 mm (0.25 inches) away from the edges of the material.

Media and tray

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°C (338°F)).
- Preprinted paper ink must be non-flammable and should not adversely affect machine rollers.
- Before you load preprinted paper, verify that the ink on the paper is dry. During the fusing process, wet ink can come off preprinted paper, reducing print quality.

Setting the paper size and type

After loading paper in the paper tray, set the paper size and type using the display screen. For computer printing, select the paper size and type in the application program you use on your computer (see "Opening Printing Preferences" on page 36).



The paper setting in the machine and driver should match to print without a paper mismatch error.

- You change the paper setting set in the machine from Samsung Easy Printer Manager program or SyncThru™ Web Service.
 - If your machine is connected to the local, you can set the machine's setting from **Samsung Easy Printer Manager > Advanced Setting > Device Settings** (see "Using Samsung Easy Printer Manager" on page 162).
 - If your machine is connected to the network, you can set the machine's setting from **SyncThru™ Web Service > Settings tab > Machine Settings** (see "Using SyncThru™ Web Service" on page 159).

Basic printing



For special printing features, refer to the Advanced Guide (see "Using advanced print features" on page 140).

Printing

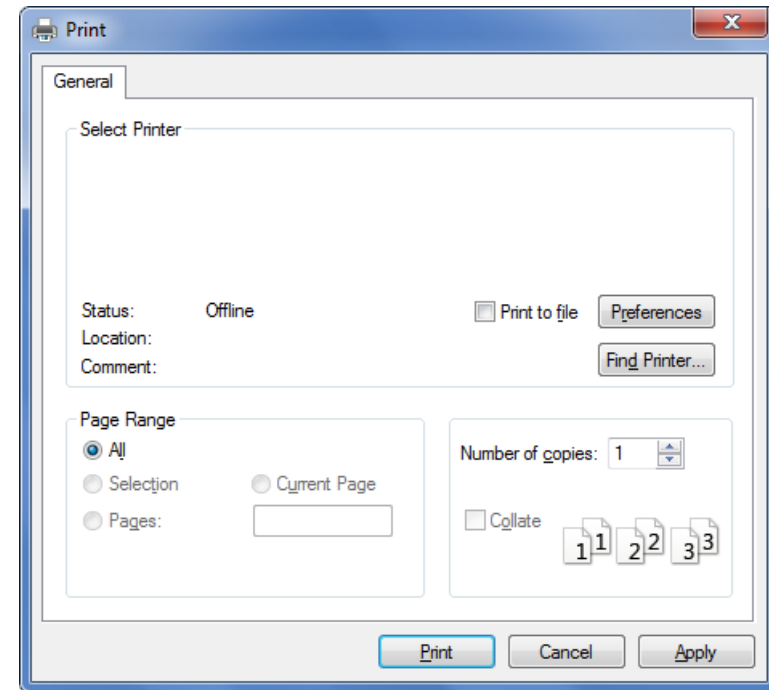


If you are a Mac or Linux user, refer to the "Mac printing" on page 147 or "Linux printing" on page 149.

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 36).

- 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:

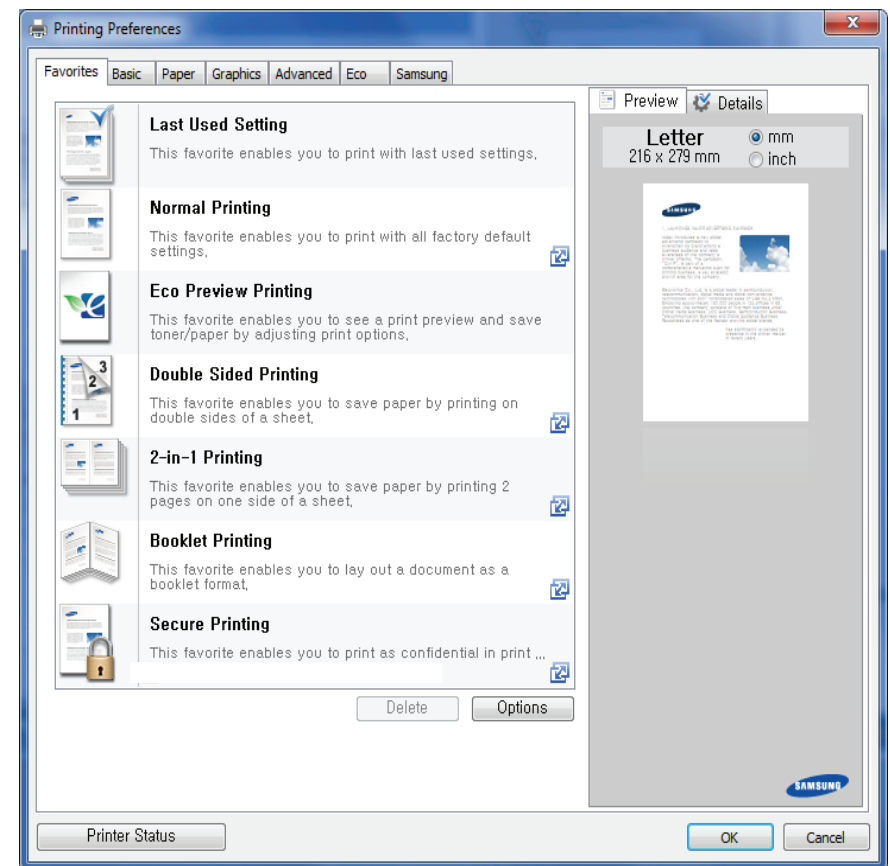
- You can access this window by simply double-clicking the machine icon () in the Windows task bar.
- You can also cancel the current job by pressing  (**Cancel**) on the control panel.

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**.



Basic printing



- You can apply **Eco** features to save paper and toner before printing (see "Easy Eco Driver" on page 155).
- You can check the machine's current status using the **Printer Status** button (see "Using Samsung Printer Status" on page 164).
- The printer driver includes a user interface that is optimized for touchscreens. To use this UI, click **Samsung Printer Center > Device Options** and then select **Stylish User Interface** (see "Using Samsung Printer Center" on page 156).

Using a favorite setting

The **Favorites** 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 **Favorites** item, follow these steps:

- 1 Change the settings as needed on each tab.
- 2 Enter a name for the item in the **Favorites** input box.

The screenshot shows a 'Favorites' dialog box. At the top is a text input field with the word 'test'. Below it are two expandable sections. The first is 'Orientation:' with a close button 'x' and a list item '- Landscape'. The second is 'Layout Options:' with a close button 'x' and a list item '- Layout: Poster Printing, Post...'. At the bottom right is a 'Save' button.

- 3 Click **Save**.
- 4 Enter name and description, and then select the desired icon.
- 5 Click **OK**. When you save **Favorites**, all current driver settings are saved.



To use a saved setting, select it in the **Favorites** tab. The machine is now set to print according to the settings you have selected.

To delete saved settings, select it in the **Favorites** tab and click **Delete**.

Basic printing

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.

If you press the **Eco** button from the control panel, eco mode is enabled. The default setting of Eco mode is **Multiple Pages per Side** (2) and **Toner Save**. Some features may not be available depending on the model.



- You change the machine's setting set in the machine from Samsung Easy Printer Manager or SyncThru™ Web Service.
 - If your machine is connected to the local, you can set the machine's setting from **Samsung Easy Printer Manager > Advanced Setting > Device Settings** (see "Using Samsung Easy Printer Manager" on page 162).
 - If your machine is connected to the network, you can set the machine's setting from **SyncThru™ Web Service > Settings** tab > **Machine Settings** (see "Using SyncThru™ Web Service" on page 159).



Depending on the printer driver you use, Skip blank pages may not work properly. If Skip blank pages feature does not work properly, set the feature from the Easy Eco Driver (see "Easy Eco Driver" on page 155).


Setting Eco mode on the control panel

If you press the **Eco** button from the control panel, eco mode is enabled. The default setting of Eco mode is **Multiple Pages per Side** (2) and **Toner Save**.



If you set the eco mode on with a password from the SyncThru™ Web Service (**Settings** tab > **Machine Settings** > **System** > **Eco Settings**) or Samsung Easy Printer Manager (**Device Settings** > **Eco**), the **On force** message appears. You have to enter the password to change the eco mode status.

Setting eco mode on the driver

Open the Eco tab to set Eco mode. When you see the eco image (), that means the eco mode is currently enabled.

Another way for Eco printing is to use the Easy Eco Driver application. See "Easy Eco Driver" on page 155.

Basic printing

Eco options

- **Printer Default:** Follows the settings from the machine's control panel.
- **None:** Disables Eco mode.
- **Eco Printing:** Enables eco mode. Activate the various Eco items you want to use.
- **Password:** If the administrator fixed to enable the Eco mode, you have to enter the password to change the status.

Result simulator

Result Simulator shows the estimated results of reduced emission of carbon dioxide, used electricity, and the amount of saved paper in accordance with the settings you selected.

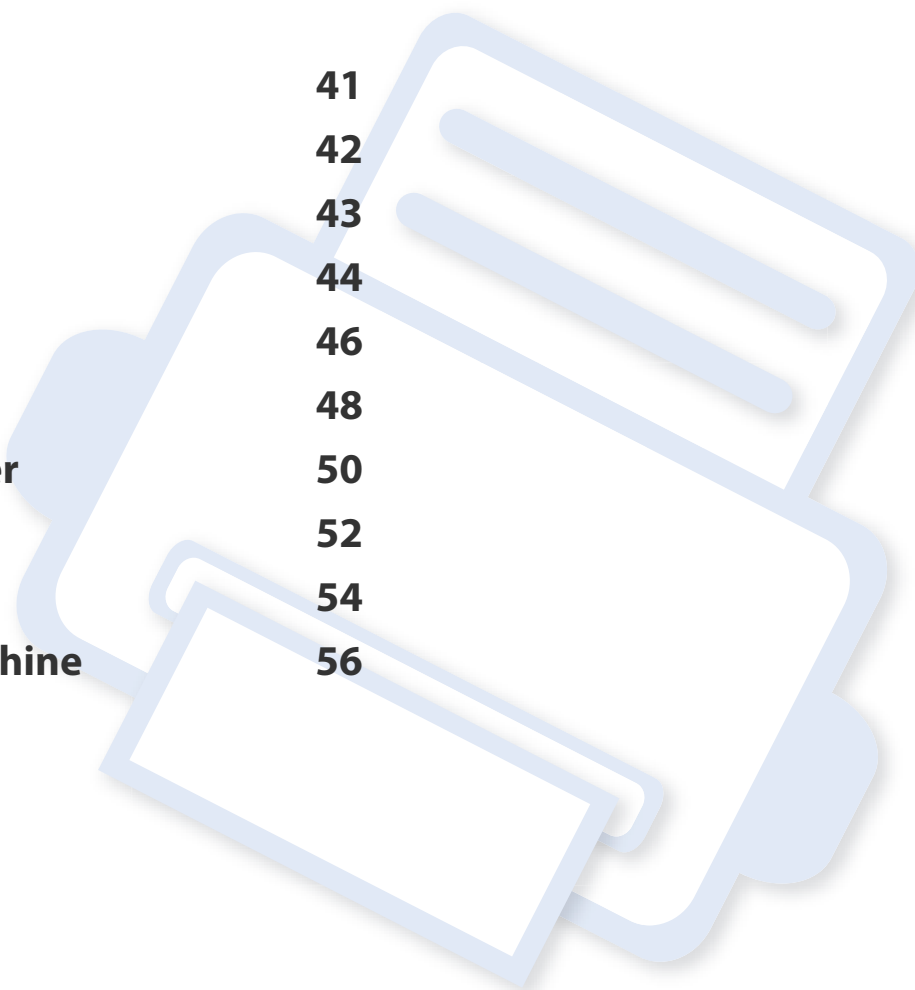
- The results are calculated on the basis that the total number of printed paper is one hundred without a blank page when the Eco mode is disabled.
- Refers to the calculation coefficient about CO₂, energy, and paper from **IEA**, the index of Ministry of Internal Affairs and Communication of Japan and www.remanufacturing.org.uk. Each model has a different index.
- The power consumption in printing mode refers to the average printing power consumption of this machine.
- The actual amount displayed is only an estimate as the actual amount may differ depending on the operating system used, computing performance, application software, connection method, media type [thickness], media size, job complexity, etc.



3. Maintenance

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

- **Ordering supplies and accessories** 41
- **Available supplies** 42
- **Available maintenance parts** 43
- **Storing the toner cartridge** 44
- **Redistributing toner** 46
- **Replacing the toner cartridge** 48
- **Replacing the waste toner container** 50
- **Replacing the imaging unit** 52
- **Cleaning the machine** 54
- **Tips for moving & storing your machine** 56



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 ^a	Part name
Toner cartridge	<ul style="list-style-type: none">• Average continuous black cartridge yield: Approx. 1,500 standard pages (Black)• Average continuous color cartridge yield: Approx. 1,000 standard pages (Yellow/Magenta/Cyan)	<ul style="list-style-type: none">• K404 (CLT-K404S): Black• C404 (CLT-C404S): Cyan• M404 (CLT-M404S): Magenta• Y404 (CLT-Y404S): Yellow
Imaging unit	Approx. 16,000 images ^b	CLT-R406
Waste toner container	Approx. 7,000 images ^b	CLT-W406

a. Declared yield value in accordance with ISO/IEC 19798. The number of pages may be affected by operating environment, printing interval, graphics, media type and media size.

b. Image counts based on one color on each page. If you print documents in full color (Cyan, Magenta, Yellow, Black), the life of this item will be reduced by 25%.



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

You need to replace the maintenance parts at specific intervals to keep the machine in the best condition and avoid print quality and paper feeding problems resulting from the worn-out parts. Maintenance parts are mostly rollers, belts and pads. However, the replacement period and parts may differ depending on the model. Replacing maintenance parts can be performed only by an authorized service provider, dealer, or the retailer where you bought the machine. To purchase maintenance parts, contact the retailer where you bought the machine. The replacement period for the maintenance parts is informed by the "Samsung Printer Status" program. Or on the UI (User Interface) if your machine supports a display screen. The replacement period varies based on the operating system used, computing performance, application software, connecting method, paper type, paper 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°C (104°F).
 - Humidity range less than 20% and greater than 80%.
 - An environment with extreme changes in humidity or temperature.
 - Direct sunlight or room light.
 - Dusty places.
 - A car for a long period of time.
 - An environment where corrosive gases are present.
 - An environment with salty air.

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 varies from side to side.
- The **Toner** LED blinks orange. The toner-related message saying that the toner is low may appear on the display.
- The computer's Samsung Printing Status program window appears on the computer telling you which color cartridge is low on toner (see "Using Samsung Printer Status" on page 164).

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.

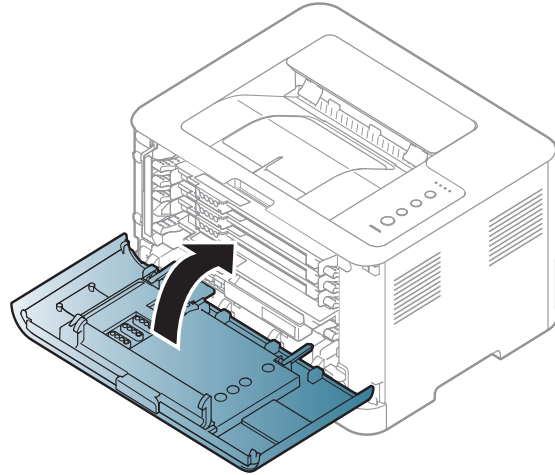
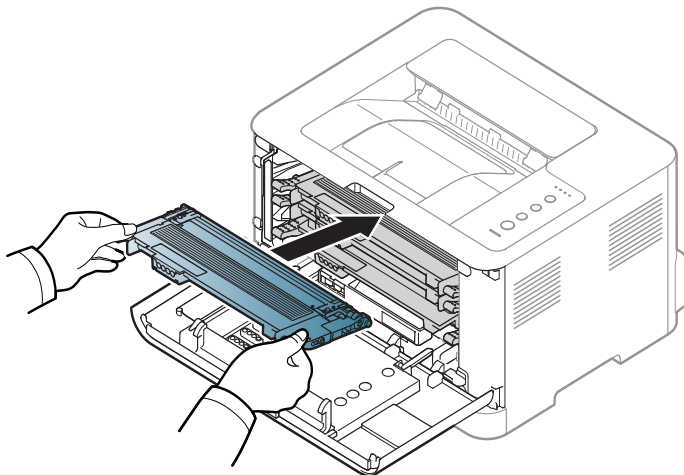
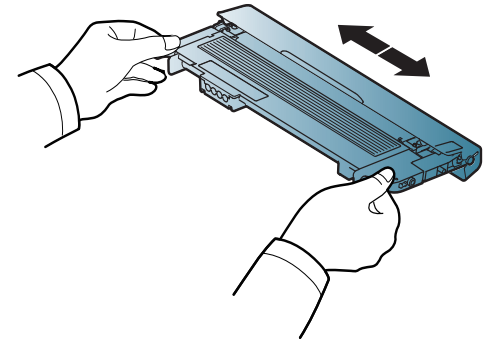
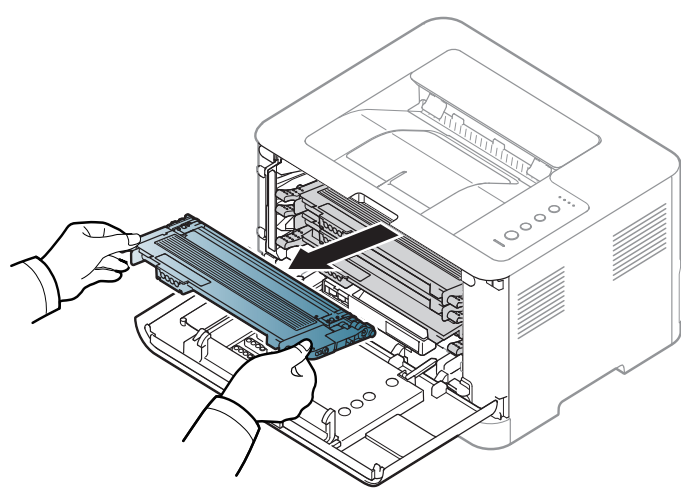
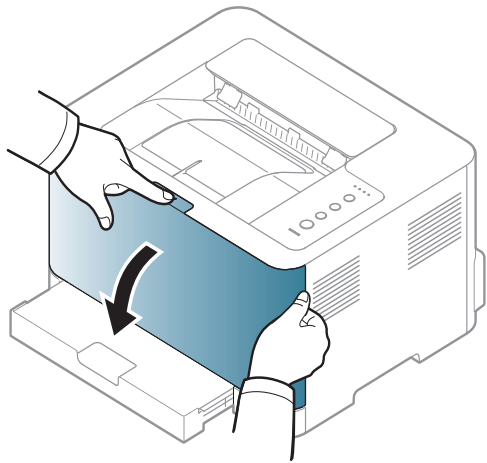


Illustrations on this user's guide may differ from your machine depending on its options or models. Check your machine type (see "Front view" on page 18).



- 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.
- Printing even after the toner empty status can cause serious damage to your machine.

Redistributing toner



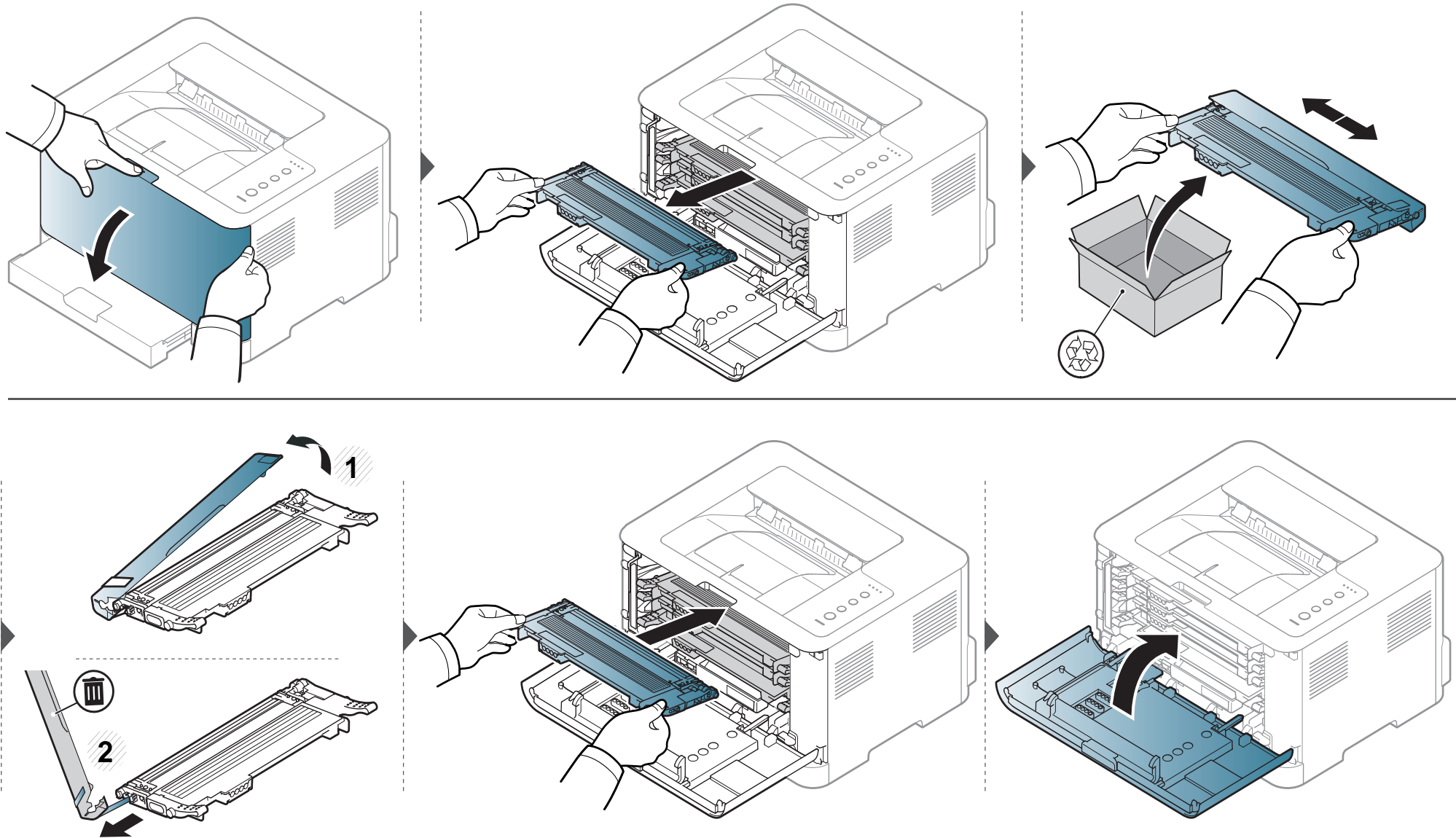
Replacing the toner cartridge



- Before opening the top cover, close the output support first.
- Do not use sharp objects such as a knife or scissors to open the toner cartridge package. They might scratch the drum of the cartridge.
- If toner gets on your clothing, wipe it off with a dry cloth and wash clothing in cold water. Hot water sets toner into fabric.
- Shake the toner cartridge thoroughly, it will increase the initial print quality.
- Do not touch the green underside of the toner cartridge. Use the handle on the cartridge to avoid touching this area.
- Printing even after the toner empty status can cause serious damage to your machine.

Replacing the toner cartridge

When a toner cartridge has reached the end of life, the Printing Status window appears on the computer, indicating the toner cartridge needs to be placed.



Replacing the waste toner container

When the life span of the waste toner container has expired, the Smart Panel program window appears on the computer, indicating the waste toner container needs to be placed. Otherwise your printer stops printing.



- Toner particles can be released inside the machine but it does not mean the machine is damaged. Contact a service representative when print quality problems occur.
- When you pull out the waste toner container out of the machine, move the container carefully not to drop it from your hands.
- Make sure that you lay the waste toner container on a flat surface so that the toner does not spill.



Do not tilt or turn over the container.