

# User's Guide

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SCX-472x Series  
SCX-470x Series

## BASIC

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

## ADVANCED

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

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



# 1. Introduction

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

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

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# Key benefits

## Environmentally friendly



- To save toner and paper, this machine supports Eco feature.
- To save paper, you can print multiple pages on one single sheet of paper (see "Using advanced print features" on page 210).
- To save paper, you can print on both sides of the paper (double-sided printing) (Not supported SCX-4726FN Series) (see "Using advanced print features" on page 210).
- To save electricity, this machine automatically conserves electricity by substantially reducing power consumption when not in use.

## Fast high resolution printing



- You can print with a resolution of up to 1,200 x 1,200 dpi effective output.
- Fast, on-demand printing.  
SCX-472x Series, SCX-470x Series:
  - For single-side printing, 28 ppm (A4) or 29 ppm (Letter).
  - For duplex printing, 14 ppm (A4) or 15 ppm (Letter).

- SCX-4726FN Series:
  - For single-side printing, 26 ppm (A4) or 27 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 "Easy Capture Manager" on page 249).
- Printing Status (or Smart Panel) is a program that monitors and informs you of the machine's status and allows you to customize the machine's settings (see "Using advanced print features" on page 210).
- AnyWeb Print helps you screen-capture, preview, scrap, and print the screen of Windows Internet Explorer more easily, than when you use the ordinary program (see "Samsung AnyWeb Print" on page 250).
- 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.

# Key benefits

## Wide range of functionality and application support



- Supports various paper sizes (see "Print media specifications" on page 103).
- Print watermark: You can customize your documents with words, such as "Confidential" (see "Using advanced print features" on page 210).
- 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 210).
- You can print in various operating systems (see "System requirements" on page 106).
- Your machine is equipped with a USB interface and/or a network interface.

# Features by models

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

## Operating System

| Operating System | SCX-472xFD Series<br>SCX-472xHD Series<br>SCX-472xHN Series<br>SCX-472xFN Series | SCX-472xFW Series<br>SCX-472xHW Series | SCX-470x ND Series |
|------------------|----------------------------------------------------------------------------------|----------------------------------------|--------------------|
| Windows          | ●                                                                                | ●                                      | ●                  |
| Macintosh        | ●                                                                                | ●                                      | ●                  |
| Linux            | ●                                                                                | ●                                      | ●                  |
| Unix             | ●                                                                                | ●                                      | ●                  |

(●: Included, Blank: Not available)

## Software

| Software                              | SCX-472xFD Series<br>SCX-472xHD Series<br>SCX-472xHN Series<br>SCX-472xFN Series | SCX-472xFW Series<br>SCX-472xHW Series | SCX-470x ND Series |
|---------------------------------------|----------------------------------------------------------------------------------|----------------------------------------|--------------------|
| PCL / SPL printer driver <sup>1</sup> | ●                                                                                | ●                                      | ●                  |
| PS printer driver                     |                                                                                  |                                        |                    |

# Features by models

| Software                        |                           | SCX-472xFD Series<br>SCX-472xHD Series<br>SCX-472xHN Series<br>SCX-472xFN Series | SCX-472xFW Series<br>SCX-472xHW Series | SCX-470x ND Series |
|---------------------------------|---------------------------|----------------------------------------------------------------------------------|----------------------------------------|--------------------|
| XPS printer driver              |                           |                                                                                  |                                        |                    |
| Direct Printing Utility         |                           |                                                                                  |                                        |                    |
| Samsung Easy<br>Printer Manager | Scan to PC settings       | •                                                                                | •                                      | •                  |
|                                 | Fax to PC settings        | •                                                                                | •                                      |                    |
|                                 | Device settings           | •                                                                                | •                                      | •                  |
| Samsung Printer Status          |                           | •                                                                                | •                                      | •                  |
| Smart Panel                     |                           | •                                                                                | •                                      | •                  |
| AnyWeb Print                    |                           | •                                                                                | •                                      | •                  |
| SyncThru™ Web Service           |                           | •                                                                                | •                                      | •                  |
| SyncThru Admin Web Service      |                           | •                                                                                | •                                      | •                  |
| Easy Eco Driver                 |                           | •                                                                                | •                                      | •                  |
| Fax                             | Samsung Network PC<br>Fax | •                                                                                | •                                      |                    |

# Features by models

| Software |                        | SCX-472xFD Series<br>SCX-472xHD Series<br>SCX-472xHN Series<br>SCX-472xFN Series | SCX-472xFW Series<br>SCX-472xHW Series | SCX-470x ND Series |
|----------|------------------------|----------------------------------------------------------------------------------|----------------------------------------|--------------------|
| Scan     | Twain scan driver      | ●                                                                                | ●                                      | ●                  |
|          | WIA scan driver        | ●                                                                                | ●                                      | ●                  |
|          | Samsung Scan Assistant | ●                                                                                | ●                                      | ●                  |
|          | SmarThru 4             |                                                                                  |                                        |                    |
|          | SmarThru Office        | ●                                                                                | ●                                      | ●                  |

1. Depending on the operating system you use, the installed print driver may differ.

(●: Included, Blank: Not available)

# Features by models

## Variety feature

| Features                                            | SCX-472xFD Series<br>SCX-472xHD Series<br>SCX-472xHN Series<br>SCX-472xFN Series | SCX-472xFW Series<br>SCX-472xHW Series | SCX-470xND Series |
|-----------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------|-------------------|
| Hi-Speed USB 2.0                                    | •                                                                                | •                                      | •                 |
| Network Interface Ethernet 10/100 Base TX wired LAN | •                                                                                | •                                      | •                 |
| Network Interface 802.11b/g/n wireless LAN          |                                                                                  | •                                      |                   |
| Eco printing                                        | •                                                                                | •                                      | •                 |
| Duplex (2-sided) printing                           | •<br>(SCX-472xFD Series, SCX-472xHD Series, SCX-472xHN Series only)              | •                                      | •                 |
| USB memory interface                                |                                                                                  |                                        |                   |
| Touch screen                                        |                                                                                  |                                        |                   |
| Duplex Automatic Document Feeder (DADF)             |                                                                                  |                                        |                   |
| Automatic Document Feeder (ADF)                     | •                                                                                | •                                      | •                 |
| Handset                                             | •<br>(SCX-472xHD Series, SCX-472xHN Series only)                                 | •<br>(SCX-472xHW Series only)          |                   |

# Features by models

| Features |                                | SCX-472xFD Series<br>SCX-472xHD Series<br>SCX-472xHN Series<br>SCX-472xFN Series | SCX-472xFW Series<br>SCX-472xHW Series | SCX-470xND Series |
|----------|--------------------------------|----------------------------------------------------------------------------------|----------------------------------------|-------------------|
| Fax      | Multi-send                     | •                                                                                | •                                      |                   |
|          | Delay send                     | •                                                                                | •                                      |                   |
|          | Priority send                  | •                                                                                | •                                      |                   |
|          | Duplex send                    |                                                                                  |                                        |                   |
|          | Secure receive                 | •                                                                                | •                                      |                   |
|          | Duplex print                   | •<br>(SCX-472xFD Series, SCX-472xHD Series, SCX-472xHN Series only)              | •                                      |                   |
|          | Send/ Receive forward - fax    | •                                                                                | •                                      |                   |
|          | Send/ Receive forward - email  |                                                                                  |                                        |                   |
|          | Send/ Receive forward - server |                                                                                  |                                        |                   |

# Features by models

| Features |                        | SCX-472xFD Series<br>SCX-472xHD Series<br>SCX-472xHN Series<br>SCX-472xFN Series | SCX-472xFW Series<br>SCX-472xHW Series | SCX-470xND Series |
|----------|------------------------|----------------------------------------------------------------------------------|----------------------------------------|-------------------|
| Scan     | Scanning to email      |                                                                                  |                                        |                   |
|          | Scanning to SMB server |                                                                                  |                                        |                   |
|          | Scanning to FTP server |                                                                                  |                                        |                   |
|          | Duplex scan            |                                                                                  |                                        |                   |
|          | Scan to PC             | •                                                                                | •                                      | •                 |
| Copy     | ID card copying        | •                                                                                | •                                      | •                 |
|          | Collation              | •                                                                                | •                                      | •                 |
|          | Poster                 | •                                                                                | •                                      | •                 |
|          | Clone                  | •                                                                                | •                                      | •                 |
|          | Book                   |                                                                                  |                                        |                   |

# Features by models

| Features        |                   | SCX-472xFD Series<br>SCX-472xHD Series<br>SCX-472xHN Series<br>SCX-472xFN Series | SCX-472xFW Series<br>SCX-472xHW Series | SCX-470xND Series |
|-----------------|-------------------|----------------------------------------------------------------------------------|----------------------------------------|-------------------|
| Copy (Continue) | 2-up/ 4-up        | ●                                                                                | ●                                      | ●                 |
|                 | Adjust background | ●                                                                                | ●                                      | ●                 |
|                 | Margin shift      |                                                                                  |                                        |                   |
|                 | Edge erase        |                                                                                  |                                        |                   |
|                 | Gray enhance      |                                                                                  |                                        |                   |
|                 | Duplex copy       | ●<br>(SCX-472xFD Series, SCX-472xHD Series, SCX-472xHN Series only)              | ●                                      | ●                 |

(●: Included, Blank: Not available)

# Useful to know



## The machine does not print.

- Open the print queue list and remove the document from the list (see "Canceling a print job" on page 55).
- Remove the driver and install it again (see "Installing the driver locally" on page 27).
- Select your machine as your default machine in your Windows.



## Where can I purchase accessories or supplies?

- Inquire at a Samsung distributor or your retailer.
- Visit [www.samsung.com/supplies](http://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 94).



## A paper jam has occurred.

- Open and close the front door.
- Check the instructions on removing jammed paper in this manual and troubleshoot accordingly (see "Clearing paper jams" on page 89).



## Printouts are blurry.

- The toner level might be low or uneven. Shake the toner cartridge.
- Try a different print resolution setting.
- Replace the toner cartridge.



## Where can I download the machine's driver?

- Visit [www.samsung.com](http://www.samsung.com) to download the latest machine's driver, and install it on your system.

# 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 administrator'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                                                                                    |
|-------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------|
|  | <b>Caution</b> | Gives users information to protect the machine from possible mechanical damage or malfunction. |
|  | <b>Note</b>    | 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

|                                                                                   |                 |                                                                                          |
|-----------------------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------------------|
|   | <b>Warning</b>  | Hazards or unsafe practices that may result in severe personal injury or death.          |
|   | <b>Caution</b>  | Hazards or unsafe practices that may result in minor personal injury or property damage. |
|  | Do not attempt. |                                                                                          |

## Operating environment

### Warning



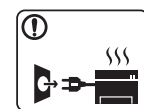
Do not use if the power cord is damaged or if the electrical outlet is not grounded.

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.

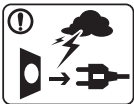


Do not remove the plug by pulling on the cord; do not handle the plug with wet hands.

This could result in electric shock or fire.

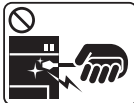
# Safety information

## Caution

|                                                                                    |                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <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>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> |
|  | <p>Be care 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>                                         |

# Safety information

|                                                                                  |                                                                                                                                                    |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Do not allow too many papers to stack up in the paper output tray.<br>It can damage the machine.                                                   |
|  | Do not block or push objects into the ventilation opening.<br>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.<br>This could result in electric shock or fire. |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|

### Caution

|                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <p>Before moving the machine, turn the power off and disconnect all cords.</p> <p>Then lift the machine:</p> <ul style="list-style-type: none"><li>• If the machine weighs under 20 kg (44.09 lbs), lift with 1 person.</li><li>• If the machine weighs 20 kg (44.09 lbs) - 40kg (88.18 lbs), lift with 2 people.</li><li>• If the machine weighs more than 40 kg (88.18 lbs), lift with 4 or more people.</li></ul> <p>The machine could fall, causing injury or machine damage.</p> |
|    | Do not place the machine on an unstable surface.<br>The machine could fall, causing injury or machine damage.                                                                                                                                                                                                                                                                                                                                                                         |
|    | Use only No.26 AWG <sup>1</sup> or larger, telephone line cord, if necessary.<br>Otherwise, it can cause damage to the machine.                                                                                                                                                                                                                                                                                                                                                       |
|  | Make sure you plug the power cord into a grounded electrical outlet.<br>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.<br><br>Otherwise, it can cause damage to the machine, and could result in electric shock or fire.                                                                                                                                                                                    |

# Safety information

|                                                                                  |                                                                                                                                                                                                              |
|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>The machine should be connected to the power level which is specified on the label.</p> <p>If you are unsure and want to check the power level you are using, contact the electrical utility company.</p> |
|  | <p>Do not put a cover over the machine or place it in an airtight location, such as a closet.</p> <p>If the machine is not well-ventilated, this could result in fire.</p>                                   |
|  | <p>Do not overload wall outlets and extension cords.</p> <p>This can diminish performance, and could result in electric shock or fire.</p>                                                                   |

1. AWG: American Wire Gauge

## 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 supplies or cleaning the inside, do not operate the machine.</p> <p>You could get injured.</p>                                                                                                                                                                                                           |
|    | <p>Keep cleaning supplies away from children.</p> <p>Children could get hurt.</p>                                                                                                                                                                                                                                                                             |
|    | <p>Do not disassemble, repair or rebuild the machine by yourself.</p> <p>It can damage the machine. Call a certified technician when the machine needs repairing.</p>                                                                                                                                                                                         |
|    | <p>Keep the power cable and the contact surface of the plug clean from dust or water.</p> <p>Otherwise, this could result in electric shock or fire.</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>                                                                                                                                                                                                          |
|  | <ul style="list-style-type: none"> <li>Do not remove any covers or guards that are fastened with screws.</li> <li>Fuser units should only be repaired by a certified service technician. Repair by non-certified technicians could result in fire or electric shock.</li> <li>The machine should only be repaired by a Samsung service technician.</li> </ul> |

# Safety information

## Supply usage

 **Caution**

|                                                                                    |                                                                                                                                                                                            |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <p>Do not disassemble the toner cartridge.</p> <p>Toner dust can be dangerous if inhaled or ingested.</p>                                                                                  |
|    | <p>Do not burn any of the supplies such as toner cartridge or fuser unit.</p> <p>This could cause an explosion or uncontrollable fire.</p>                                                 |
|    | <p>When storing supplies such as toner cartridges, keep them away from children.</p> <p>Toner dust can be dangerous if inhaled or ingested.</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> |
|  | <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>                                                         |

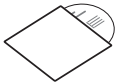
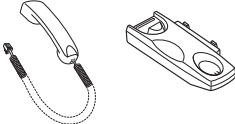
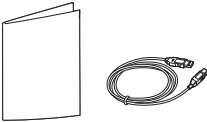


Using recycled supplies, such as toner, can cause damage to the machine.

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                                                            |
|   |  |
| Software CD <sup>1</sup>                                                           | Handset <sup>2</sup>                                                                |
|  |                                                                                     |
| Misc. accessories <sup>3</sup>                                                     |                                                                                     |

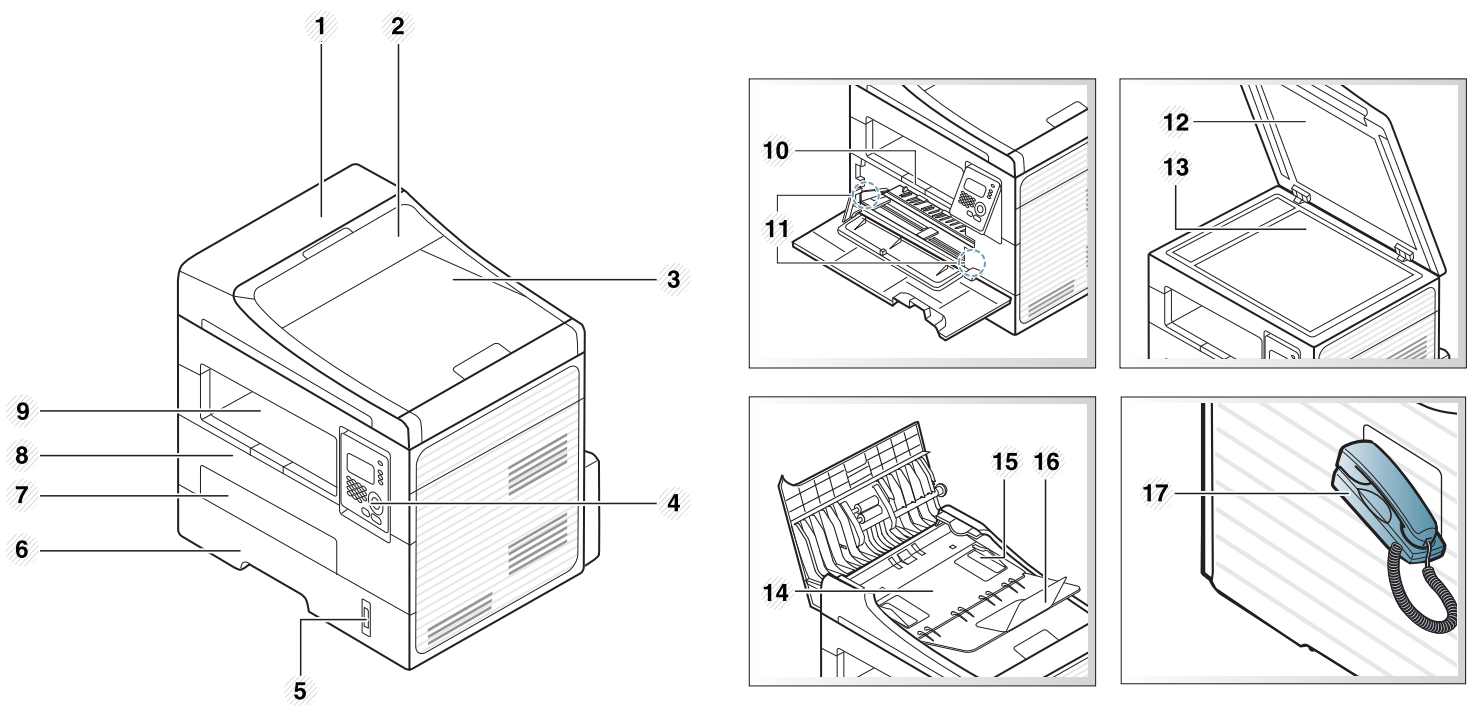
1. The software CD contains the print drivers and software applications.  
2. Handset model only (see "Features by models" on page 5)  
3. Miscellaneous accessories included with your machine may vary by country of purchase and specific model.

# Machine overview

## Front view



- This illustration may differ from your machine depending on your model.
- Some features and optional goods may not be available depending on model or country (see "Features by models" on page 5).



|   |                             |   |                    |    |                            |
|---|-----------------------------|---|--------------------|----|----------------------------|
| 1 | Document feeder cover       | 7 | Manual feeder tray | 13 | Scanner glass              |
| 2 | Document feeder guide cover | 8 | Front cover        | 14 | Document feeder input tray |

# Machine overview

|   |                             |    |                                      |    |                                        |
|---|-----------------------------|----|--------------------------------------|----|----------------------------------------|
| 3 | Document feeder output tray | 9  | Output tray                          | 15 | Paper width guide on a document feeder |
| 4 | Control Panel               | 10 | Output support                       | 16 | Document feeder output support         |
| 5 | Paper level indicator       | 11 | Paper width guide on a manual feeder | 17 | Handset <sup>1</sup>                   |
| 6 | Tray                        | 12 | Scanner lid                          |    |                                        |

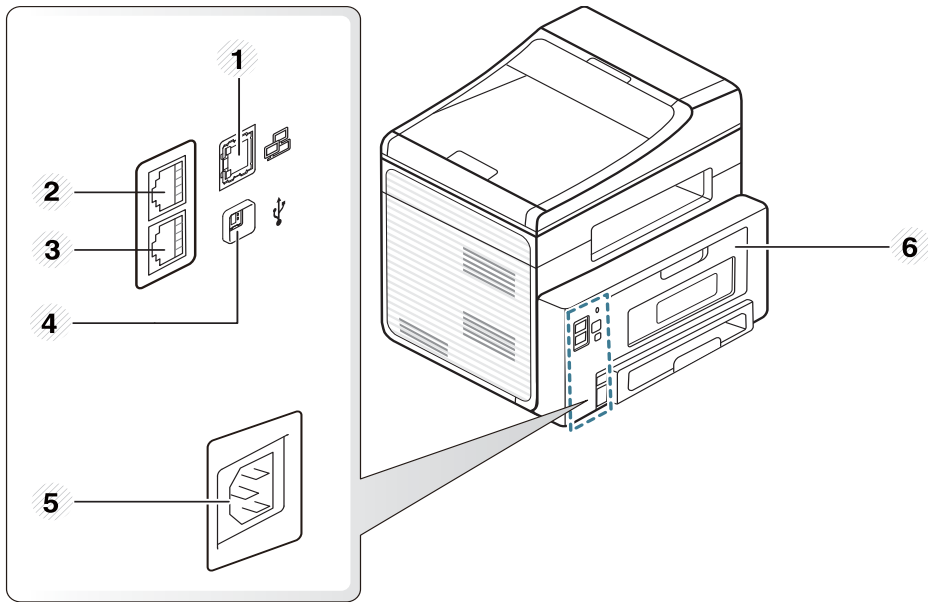
1. Handset model only (see "Features by models" on page 5).

# Machine overview

## Rear view



- This illustration may differ from your machine depending on your model.
- Some features and optional goods may not be available depending on model or country (see "Features by models" on page 5).



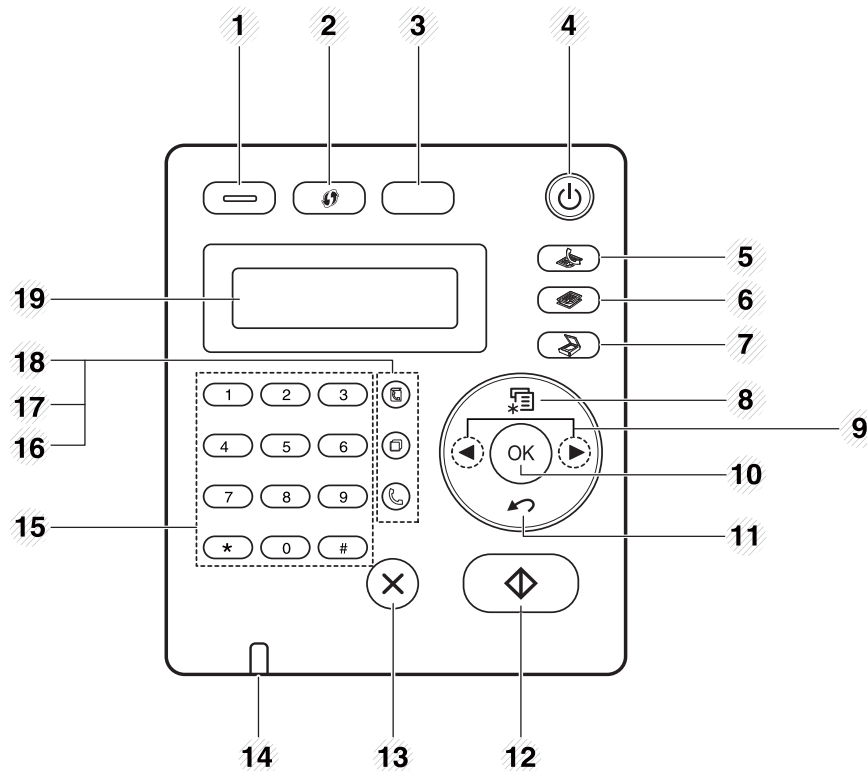
|   |                                                            |   |                                                        |   |                  |
|---|------------------------------------------------------------|---|--------------------------------------------------------|---|------------------|
| 1 | Network port                                               | 3 | Telephone line socket (Line)<br>(SCX-472x Series only) | 5 | Power receptacle |
| 2 | Extension telephone socket (EXT)<br>(SCX-472x Series only) | 4 | USB port                                               | 6 | Rear cover       |

# Control panel overview



This control panel may differ from your machine depending on its model. There are various types of control panels.

## A Type (SCX-472x Series)

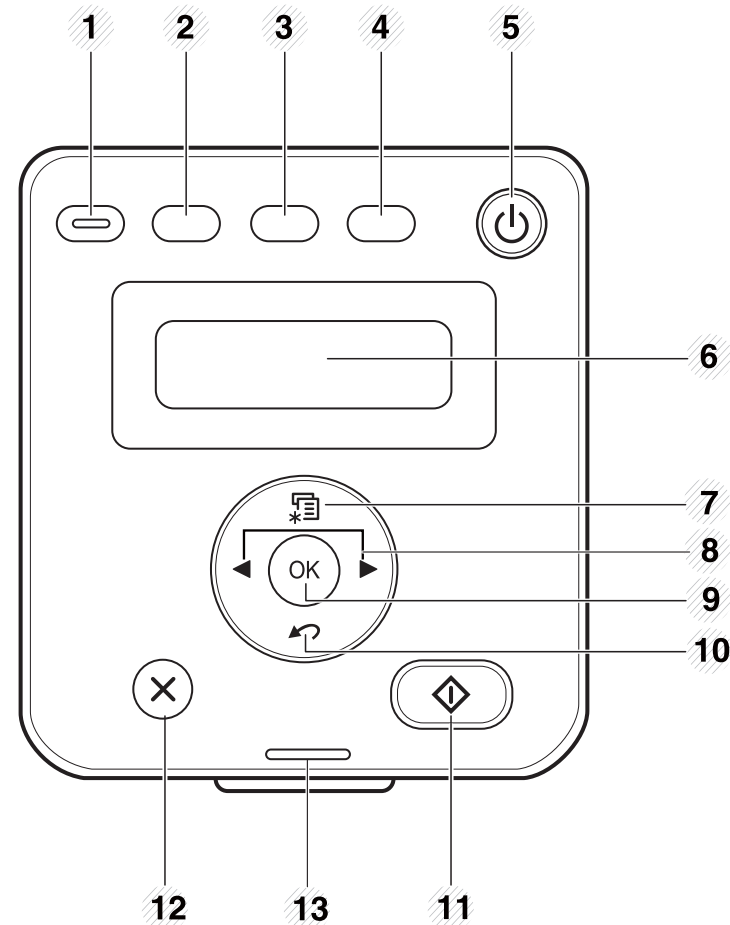


|   |                                                                                                           |                                                                                                                                                                  |
|---|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | <b>Eco</b>                                                                                                | Turn into eco mode to reduce toner consumption and paper usage (see "Eco printing" on page 57).                                                                  |
| 2 |  <b>(WPS)</b>          | Configures the wireless network connection easily without a computer (see Advanced Guide).                                                                       |
|   | <b>Darkness</b>                                                                                           | Adjust the brightness level to make a copy for easier reading, when the original contains faint markings and dark images.                                        |
| 3 | <b>ID Copy</b>                                                                                            | Allows you to copy both sides of an ID card like a driver's license on a single side of paper (see "ID card copying" on page 62).                                |
| 4 |  <b>(Power/Wakeup)</b> | Turns the power on or off, or wakes up the machine from the power save mode. If you need to turn the machine off, press this button for more than three seconds. |
| 5 |  <b>(Fax)</b>          | Switches to Fax mode.                                                                                                                                            |
| 6 |  <b>(Copy)</b>       | Switches to Copy mode.                                                                                                                                           |
| 7 |  <b>(Scan)</b>       | Switches to Scan mode.                                                                                                                                           |
| 8 |  <b>(Menu)</b>       | Opens Menu mode and scrolls through the available menus.                                                                                                         |
| 9 | <b>Left/Right Arrows</b>                                                                                  | Scrolls through the options available in the selected menu and increases or decreases values.                                                                    |

# Control panel overview

|    |                                                                                                           |                                                                                                                                    |
|----|-----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| 10 | <b>OK</b>                                                                                                 | Confirms the selection on the screen.                                                                                              |
| 11 |  <b>(Back)</b>           | Sends you back to the upper menu level.                                                                                            |
| 12 |  <b>(Start)</b>          | Starts a job.                                                                                                                      |
| 13 |  <b>(Stop/Clear)</b>     | Stops an operations at any time.                                                                                                   |
| 14 | <b>Status LED</b>                                                                                         | Indicates the status of your machine (see "Understanding the status LED" on page 94).                                              |
| 15 | <b>Numeric keypad</b>                                                                                     | Dials a number or enters alphanumeric characters.                                                                                  |
| 16 |  <b>(On Hook Dial)</b>   | When you press this button, you can hear a dial tone. Then enter a fax number. It is similar to making a call using speaker phone. |
| 17 |  <b>Redial/Pause(-)</b>  | Redials the last number in ready mode, or inserts a pause(-) into a fax number in edit mode.                                       |
| 18 |  <b>(Address Book)</b> | Allows you to store frequently used fax numbers or search for stored fax numbers.                                                  |
| 19 | <b>Display screen</b>                                                                                     | Shows the current status and displays prompts during an operation.                                                                 |

## B Type (SCX-470x Series)

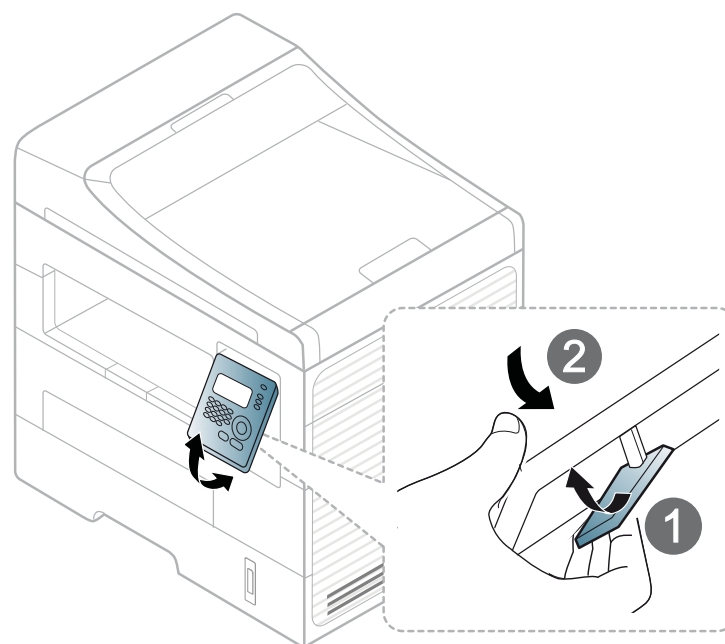


# Control panel overview

|    |                                                                                                         |                                                                                                                                                                  |
|----|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | <b>Eco</b>                                                                                              | Turn into eco mode to reduce toner consumption and paper usage (see "Eco printing" on page 57).                                                                  |
| 2  | <b>Darkness</b>                                                                                         | Adjust the brightness level to make a copy for easier reading, when the original contains faint markings and dark images.                                        |
| 3  | <b>ID Copy</b>                                                                                          | Allows you to copy both sides of an ID card like a driver's license on a single side of paper (see "ID card copying" on page 62).                                |
| 4  | <b>Scan to</b>                                                                                          | Sends scanned data (see "Basic Scanning" on page 64).                                                                                                            |
| 5  |  <b>(Power/Wakeup)</b> | Turns the power on or off, or wakes up the machine from the power save mode. If you need to turn the machine off, press this button for more than three seconds. |
| 6  | <b>Display screen</b>                                                                                   | Shows the current status and displays prompts during an operation.                                                                                               |
| 7  |  <b>(Menu)</b>       | Opens Menu mode and scrolls through the available menus.                                                                                                         |
| 8  | <b>Left/Right Arrows</b>                                                                                | Scrolls through the options available in the selected menu and increases or decreases values.                                                                    |
| 9  | <b>OK</b>                                                                                               | Confirms the selection on the screen.                                                                                                                            |
| 10 |  <b>(Back)</b>       | Sends you back to the upper menu level.                                                                                                                          |

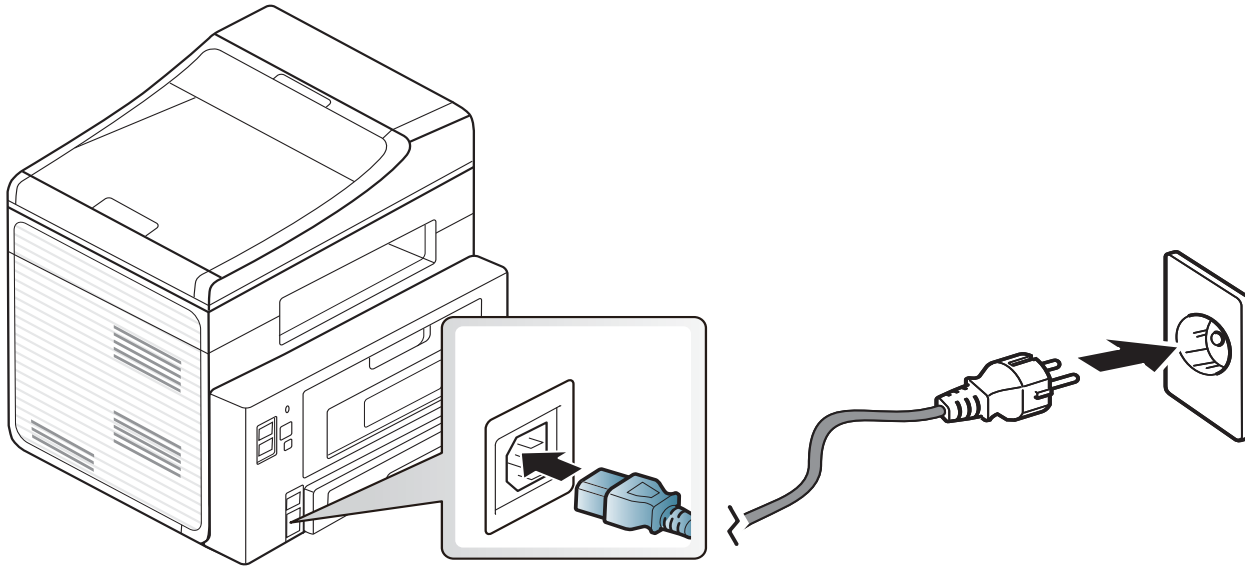
|    |                                                                                                         |                                                                                       |
|----|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 11 |  <b>(Start)</b>      | Starts a job.                                                                         |
| 12 |  <b>(Stop/Clear)</b> | Stops an operations at any time.                                                      |
| 13 | <b>Status LED</b>                                                                                       | Indicates the status of your machine (see "Understanding the status LED" on page 94). |

## Adjusting the control panel



# Turning on the machine

- 1 Connect the machine to the electricity supply first.  
Turn the switch on if the machine has a power switch.



# 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, Linux, or Unix OS user, refer to the Advanced guide.
- 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.



If the "**Found New Hardware Wizard**" appears during the installation procedure, click **Cancel** to close the window.

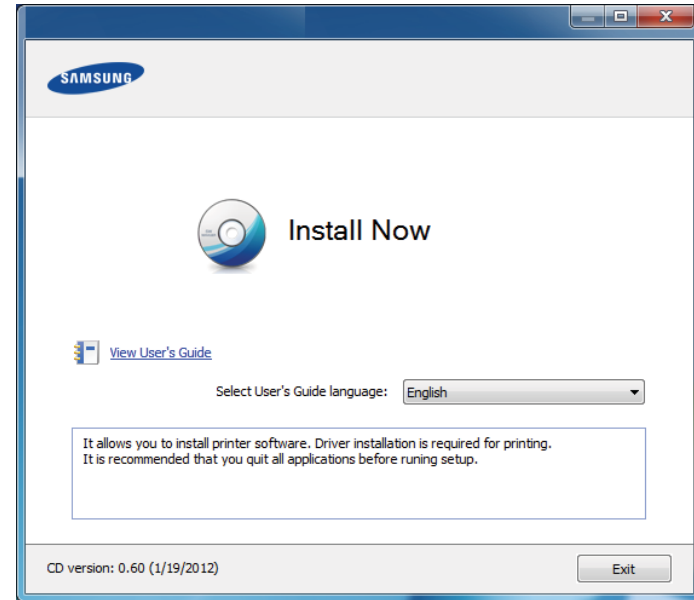
- 2 Insert the supplied software CD into your CD-ROM drive.

Click **Start > All programs > Accessories > Run**.

X:\**Setup.exe** replacing "X" with the letter, which represents your CD-ROM drive and click **OK**.

3

Select **Install Now**.



(SCX-470x Series does not support the **Wireless Setting and Installation** menu)

4

Follow the instructions in the installation window.



You can install necessary software in the "Select Software to Install" screen.

# 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 27).



## 2. Menu overview and basic setup

This chapter provides information about the overall menu structure and the basic setup options.

- **Menu overview**
- **Changing the display language**
- **Media and tray**
- **Basic printing**
- **Basic copying**
- **Basic scanning**
- **Basic faxing**

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40

54

60

64

65



# Menu overview

The control panel provides access to various menus to set up the machine or use the machine's functions.



- An asterisk (\*) appears next to the currently selected menu.
- Some menus may not appear on the display depending on options or models. If so, it is not applicable to your machine.
- Some menu names may differ from your machine depending on its options or the models.
- SCX-470x Series does not support the fax features.

## Accessing the menu

- 1 Select the Fax, Copy, or Scan button on the control panel depending on the feature to be used.
- 2 Select  (**Menu**) until the menu you want appears on the bottom line of the display and press **OK**.
- 3 Press the left/right arrows until the needed menu item appears and press **OK**.
- 4 If the setting item has sub menus, repeat step 3.
- 5 Press the left/right arrows to access the required value.

6 Press **OK** to save the selection.

7 Press  (**Stop/Clear**) to return to the ready mode.

## SCX-472x Series

| Items                    | Options    |                                                          |
|--------------------------|------------|----------------------------------------------------------|
| Fax Feature <sup>1</sup> | Darkness   | Light+5- Light+1<br>Normal<br>Dark+1- Dark+5             |
|                          | Contrast   | Light+5- Light+1<br>Normal<br>Dark+1- Dark+5             |
|                          | Resolution | Standard<br>Fine<br>Super Fine<br>Photo Fax<br>Color Fax |
|                          | Scan Size  |                                                          |
|                          | Multi Send |                                                          |
|                          | Delay Send |                                                          |

# Menu overview

| Items                    | Options        |                                                                                                              |
|--------------------------|----------------|--------------------------------------------------------------------------------------------------------------|
| Fax Feature <sup>1</sup> | Priority Send  |                                                                                                              |
|                          | Forward        | Fax<br>PC                                                                                                    |
|                          | Secure Receive | On<br>Off<br>Print                                                                                           |
|                          | Add Page       |                                                                                                              |
|                          | Cancel Job     |                                                                                                              |
| Fax Setup <sup>1</sup>   | Sending        | Redial Times<br>Redial Term<br>Prefix Dial<br>ECM Mode<br>Send Report<br>Image TCR<br>Dial Mode <sup>2</sup> |

| Items                  | Options        |                                                                                                                                                                  |
|------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fax Setup <sup>1</sup> | Receiving      | Receive Mode<br>Ring To Answer<br>Stamp RCV Name<br>RCV Start Code<br>Auto Reduction<br>Discard Size<br>Junk Fax Setup<br>DRPD Mode<br>Duplex Print <sup>3</sup> |
|                        | Change Default | Resolution<br>Darkness<br>Contrast<br>Scan Size                                                                                                                  |
|                        | Auto Report    | On<br>Off                                                                                                                                                        |
| Copy Feature           | Scan Size      |                                                                                                                                                                  |
|                        | Reduce/Enlarge |                                                                                                                                                                  |
|                        | Darkness       | Light+5- Light+1<br>Normal<br>Dark+1- Dark+5                                                                                                                     |

# Menu overview

| Items        | Options             |                                                                           |
|--------------|---------------------|---------------------------------------------------------------------------|
| Copy Feature | Contrast            | Light+5- Light+1<br>Normal<br>Dark+1- Dark+5                              |
|              | Original Type       | Text<br>Text/Photo<br>Photo                                               |
|              | Layout              | Normal<br>2-Up<br>4-Up<br>ID copy<br>Poster Copy<br>Clone Copy            |
|              | Adjust Bkgd.        | Off<br>Auto<br>Enhance Lev.1<br>Enhance Lev.2<br>Erase Lev.1- Erase Lev.4 |
|              | Duplex <sup>3</sup> | Off<br>1 -> 2 Side Long<br>1 -> 2 SideShort                               |

| Items       | Options             |                                                                                                                                         |
|-------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Copy Setup  | Change Default      | Scan Size<br>Copies<br>Copy Collation<br>Reduce/Enlarge<br>Duplex <sup>3</sup><br>Darkness<br>Contrast<br>Original Type<br>Adjust Bkgd. |
|             | Orientation         | Portrait<br>Landscape                                                                                                                   |
| Print Setup | Duplex <sup>3</sup> | Off<br>1 -> 2 Side Long<br>1 -> 2 SideShort                                                                                             |
|             | Copies              | [1-999]:1                                                                                                                               |
|             | Resolution          | 600dpi-Normal<br>1200dpi-Best                                                                                                           |
|             | Darkness            | Normal<br>Light<br>Dark                                                                                                                 |

# Menu overview

| Items       | Options    |                                     |
|-------------|------------|-------------------------------------|
| Print Setup | Clear Text | Off<br>Minimum<br>Medium<br>Maximum |
|             | Auto CR    | LF<br>LF+CR                         |
|             | Emulation  | Emulation Type<br>Setup             |

| Items        | Options       |                                                                                                                                                                                                                                                                                              |
|--------------|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Setup | Machine Setup | Machine ID<br>Fax Number <sup>1</sup><br>Date & Time<br>Clock Mode<br>Language<br>Power Save<br>Wakeup Event<br>System Timeout<br>Job Timeout<br>Altitude Adj.<br>Auto Continue <sup>4</sup><br>Paper Mismatch<br>Paper Substit <sup>4</sup><br>PrintBlankPage<br>Toner Save<br>Eco Settings |
|              | Paper Setup   | Paper Size<br>Paper Type<br>Paper Source<br>Margin                                                                                                                                                                                                                                           |

# Menu overview

| Items        | Options      |                                                                                                                                                                                                                                                      |
|--------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Setup | Sound/Volume | Key Sound<br>Alarm Sound<br>Speaker<br>Ringer                                                                                                                                                                                                        |
|              | Report       | All Report<br>Configuration<br>Supplies Info.<br>Address Book<br>Fax Send <sup>1</sup><br>Fax Sent <sup>1</sup><br>Fax Received <sup>1</sup><br>Schedule Jobs<br>Junk Fax <sup>1</sup><br>Network Conf.<br>Usage Counter<br>Fax Options <sup>1</sup> |
|              | Maintenance  | CLR Empty Msg <sup>5</sup><br>Supplies Life<br>Serial NO.<br>TonerLow Alert                                                                                                                                                                          |

| Items        | Options        |                                                                                                                                                                            |
|--------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Setup | Clear Setting  | All Settings<br>Print Setup<br>Fax Setup <sup>1</sup><br>Copy Setup<br>System Setup<br>Network Setup<br>Address Book<br>Fax Sent <sup>1</sup><br>Fax Received <sup>1</sup> |
|              |                |                                                                                                                                                                            |
|              |                |                                                                                                                                                                            |
| Network      | TCP/IP (IPv4)  | DHCP<br>BOOTP<br>Static                                                                                                                                                    |
|              | TCP/IP (IPv6)  | IPv6 Activate<br>DHCPv6 Config                                                                                                                                             |
|              | Ethernet Speed | Automatic<br>10Mbps Half<br>10Mbps Full<br>100Mbps Half<br>100Mbps Full                                                                                                    |

# Menu overview

| Items   | Options               |                                                                            |
|---------|-----------------------|----------------------------------------------------------------------------|
| Network | Clear Setting         |                                                                            |
|         | Network Conf.         |                                                                            |
|         | Wireless <sup>1</sup> | Wi-Fi ON/OFF<br>WPS Setting<br>WLAN Setting<br>WLAN Default<br>WLAN Signal |

1. SCX-472x Series Only.

2. This setting may not be available depending on your country.

3. Not supported SCX-472xFN Series.

4. This option only appears if "paper mismatch" is enabled.

5. This option only appears when small amount of toner is left in the cartridge.

## SCX-470x Series

| Items        | Options        |                                              |
|--------------|----------------|----------------------------------------------|
| Copy Feature | Scan Size      |                                              |
|              | Reduce/Enlarge |                                              |
|              | Darkness       | Light+5- Light+1<br>Normal<br>Dark+1- Dark+5 |

| Items        | Options             |                                                                           |
|--------------|---------------------|---------------------------------------------------------------------------|
| Copy Feature | Contrast            | Light+5- Light+1<br>Normal<br>Dark+1- Dark+5                              |
|              | Original Type       | Text<br>Text/Photo<br>Photo                                               |
|              | Layout              | Normal<br>2-Up<br>4-Up<br>ID copy<br>Poster Copy<br>Clone Copy            |
|              | Adjust Bkgd.        | Off<br>Auto<br>Enhance Lev.1<br>Enhance Lev.2<br>Erase Lev.1- Erase Lev.4 |
|              | Duplex <sup>1</sup> | Off<br>1 -> 2 Side Long<br>1 -> 2 SideShort                               |

# Menu overview

| Items       | Options             |                                      |
|-------------|---------------------|--------------------------------------|
| Copy Setup  | Change Default      | Scan Size                            |
|             |                     | Copies                               |
|             |                     | Copy Collation                       |
|             |                     | Reduce/Enlarge                       |
|             |                     | Duplex <sup>1</sup>                  |
|             |                     | Darkness                             |
|             |                     | Contrast                             |
|             |                     | Original Type                        |
|             |                     | Adjust Bkgd                          |
|             |                     |                                      |
| Print Setup | Orientation         | Portrait                             |
|             |                     | Landscape                            |
|             | Duplex <sup>1</sup> | Off                                  |
|             |                     | 1 -> 2 Side Long<br>1 -> 2 SideShort |
|             | Copies              | [1-999]:1                            |
|             | Resolution          | 600dpi-Normal<br>1200dpi-Best        |
|             | Darkness            | Normal<br>Light<br>Dark              |

| Items       | Options    |                              |
|-------------|------------|------------------------------|
| Print Setup | Clear Text | Off                          |
|             |            | Minimum<br>Medium<br>Maximum |
|             | Auto CR    | LF<br>LF+CR                  |
|             | Emulation  | Emulation Type<br>Setup      |

# Menu overview

| Items        | Options       |                                                                                                                                                                                                                                                                     |
|--------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Setup | Machine Setup | Machine ID<br>Date & Time<br>Clock Mode<br>Language<br>Power Save<br>Wakeup Event<br>System Timeout<br>Job Timeout<br>Altitude Adj.<br>Auto Continue <sup>2</sup><br>Paper Mismatch<br>Paper Substit <sup>2</sup><br>Print Blank Page<br>Toner Save<br>Eco Settings |
|              | Paper Setup   | Paper Size<br>Paper Type<br>Paper Source<br>Margin                                                                                                                                                                                                                  |

| Items        | Options       |                                                                                                   |
|--------------|---------------|---------------------------------------------------------------------------------------------------|
| System Setup | Report        | All Report<br>Configuration<br>Supplies Info.<br>Scheduled Jobs<br>Network Conf.<br>Usage Counter |
|              | Maintenance   | CLR Empty Msg <sup>3</sup><br>Supplies Life<br>Serial Number<br>Toner Low Alert                   |
| System Setup | Clear Setting | All Settings<br>Print Setup<br>Copy Setup<br>System Setup<br>Network Setup                        |

# Menu overview

| Items   | Options        |                                                                         |
|---------|----------------|-------------------------------------------------------------------------|
| Network | TCP/IP (IPv4)  | DHCP<br>BOOTP<br>Static                                                 |
|         | TCP/IP (IPv6)  | IPv6 Activate<br>DHCPv6 Config                                          |
|         | Ethernet Speed | Automatic<br>10Mbps Half<br>10Mbps Full<br>100Mbps Half<br>100Mbps Full |
| Network | Clear Setting  |                                                                         |
|         | Network Conf.  |                                                                         |

1. Not supported SCX-472xFN Series.
2. This option only appears if "paper mismatch" is enabled.
3. This option only appears when small amount of toner is left in the cartridge.

# Changing the display language

To change the language that is displayed on the control panel, follow these steps:

- 1 Select  (**Menu**) > **System Setup** > **Machine Setup** > **Language** on the control panel.



It may be necessary to press **OK** to navigate to lower-level menus for some models.

- 2 Select the language you want to display on the control panel.
- 3 Press **OK** to save the selection.

# Media and tray

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



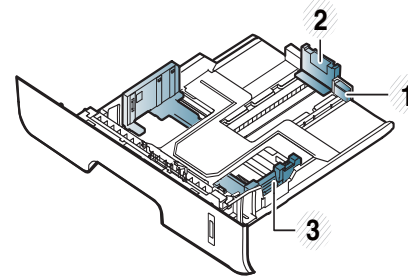
- Using print media that does not meet these specifications may cause problems or require repairs. Such repairs are not covered by Samsung's warranty or service agreements.
- Make sure not to use the inkjet photo paper with this machine. It could cause damage to the machine.
- Using inflammable print media can cause a fire.
- Use designated print media (see "Print media specifications" on page 103).



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 guides.



- 1 Tray extension guide
- 2 Paper length guide
- 3 Paper width guide

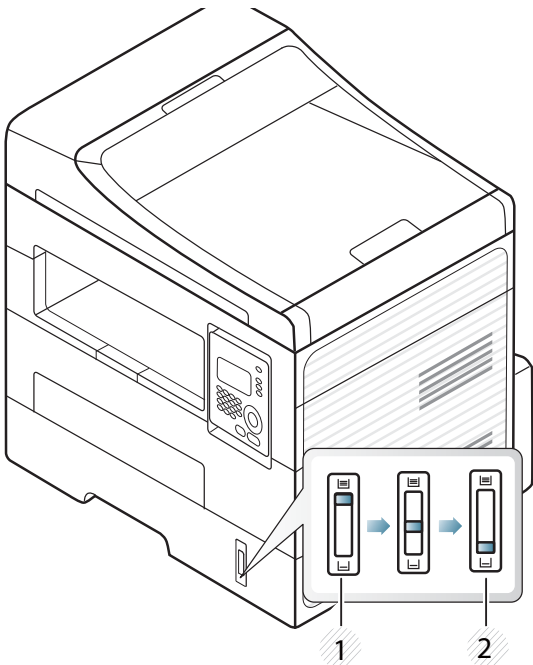


If you do not adjust the guide, it may cause paper registration, image skew, or jamming of the paper.

# Media and tray



The paper quantity indicator shows the amount of paper in the tray.



- 1 Full
- 2 Empty

| Power voltage | Available paper                 |
|---------------|---------------------------------|
| 110V          | Letter, Legal, US Folio, Oficio |
| 220V          | A4                              |

## Paper type available for duplex printing (Not supported SCX-472xFN Series)

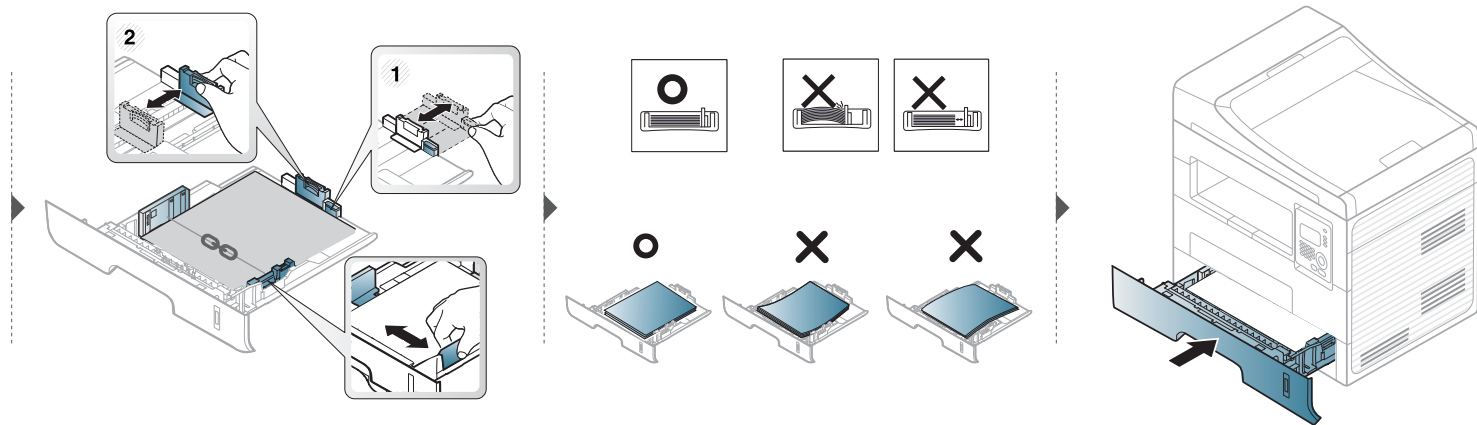
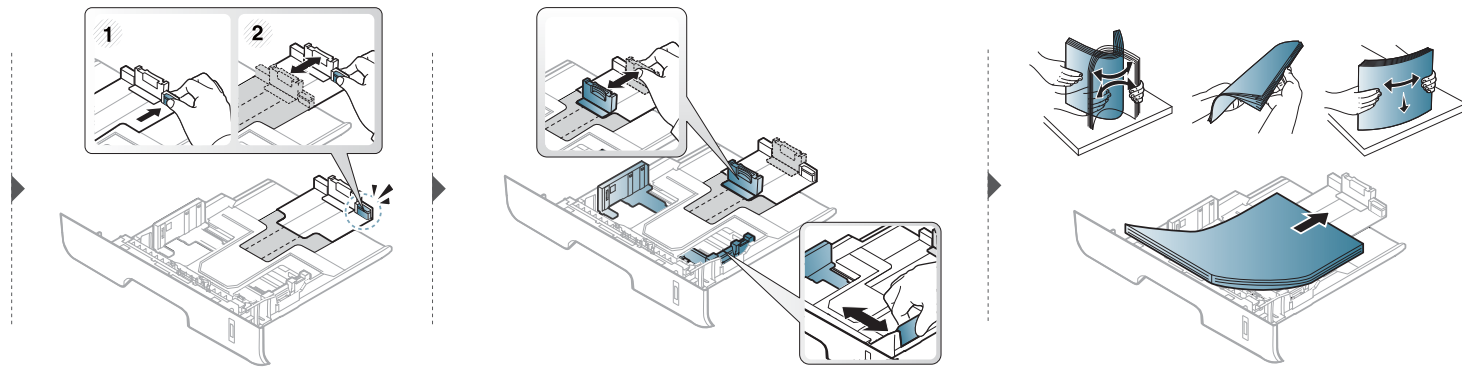
Depending on the power voltage your machine uses, available paper types for duplex printing differs. Refer to the below table.

# Media and tray

## Loading paper in the tray



When printing using the tray, do not load paper on the manual feeder, it may cause a paper jam.



# Media and tray

## Loading in manual feeder

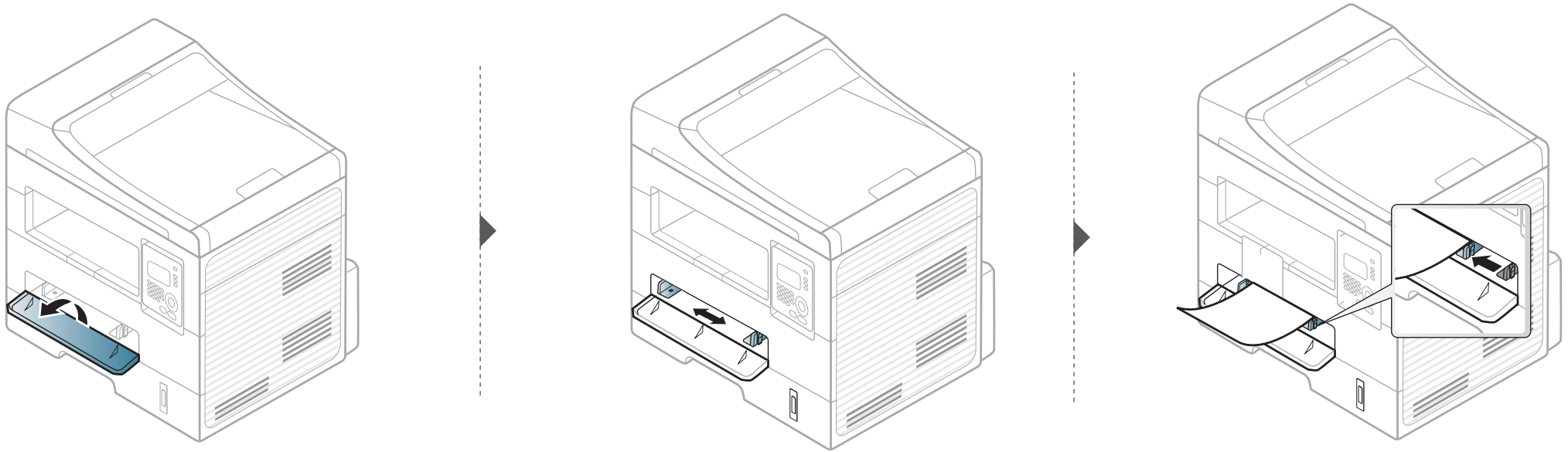
The manual feeder can hold special sizes and types of print material, such as postcards, note cards, and envelopes (see "Print media specifications" on page 103).



### Tips on using the manual feeder

- Load only one type, size and weight of print media at time in the manual feeder.
- 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 103).
- 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 44).
- When papers overlap when printing using the manual feeder, open tray and remove the papers then try printing again.
- When paper does not feed well while printing, push the paper in manually until it starts feeding automatically.
- 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.

# Media and tray



## Printing on special media

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

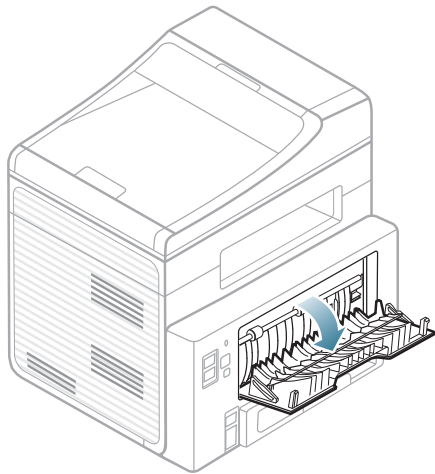
The media is also shown in the **Printing Preferences**. To get the highest printing quality, select the proper media type from the **Printing preferences** window > **Paper** tab > **Paper Type** (see "Opening printing preferences" on page 56).

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

# Media and tray



- When using special media, we recommend you feed one sheet at a time (see "Print media specifications" on page 103).
- **Printing the special media (Face up)**  
If special media are printed out with curl, wrinkles, crease, or black bold lines, open the rear cover and try printing again. Keep the rear cover opened during printing.



To see for paper weights for each sheet, refer to "Print media specifications" on page 103.

| Types | Tray | Manual feeder |
|-------|------|---------------|
| Plain | ●    | ●             |
| Thick | ●    | ●             |

| Types          | Tray | Manual feeder |
|----------------|------|---------------|
| Thicker        |      | ●             |
| Thin           | ●    | ●             |
| Bond           | ●    | ●             |
| Color          |      | ●             |
| CardStock      | ●    | ●             |
| Labels         |      | ●             |
| Transparency   |      | ●             |
| Envelope       |      | ●             |
| Thick Envelope |      | ●             |
| Preprinted     |      | ●             |
| Cotton         |      | ●             |
| Recycled       | ●    | ●             |
| Archive        | ●    | ●             |

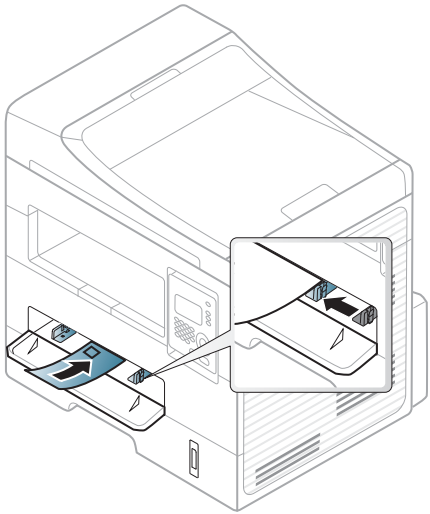
(●: Included, Blank: Not available)

## Envelope

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

# Media and tray

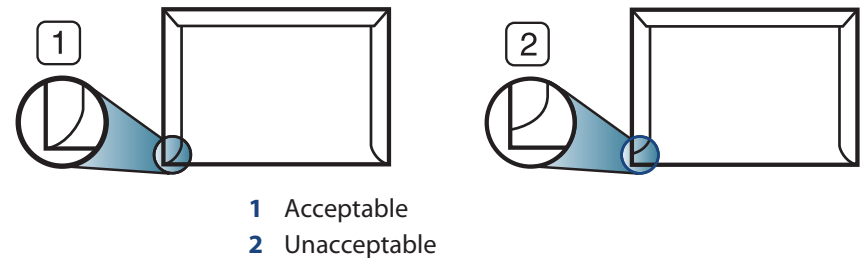
To print an envelope, place it as shown in the following figure.



If envelopes are printed out with wrinkles, creases, or black bold lines, open the rear cover and try printing again. Keep the rear cover opened during printing.

- When selecting envelopes, consider the following factors:
  - **Weight:** should not exceed 90 g/m<sup>2</sup> 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.

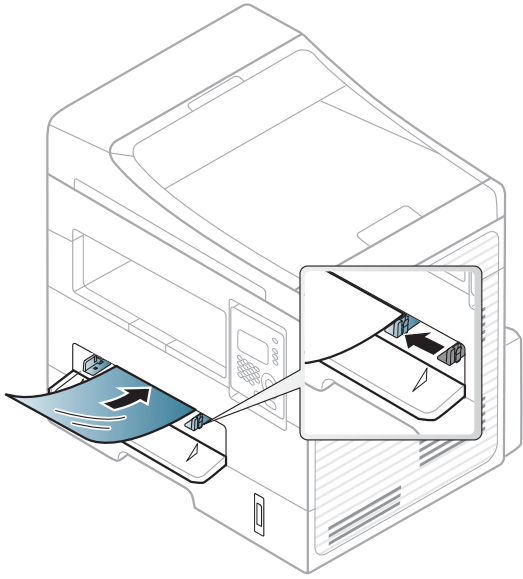


- Envelopes with a peel-off adhesive strip or with more than one flap that folds over to seal must use adhesives compatible with the machine's fusing temperature for 0.1 second about 170°C (338 °F). The extra flaps and strips might cause wrinkling, creasing, or jams, and may even damage the fuser.
- 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

## Transparency

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



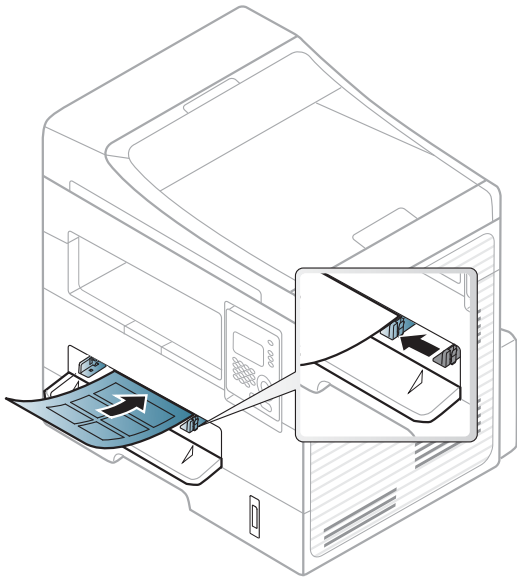
- Do not use transparencies that separate from the backing sheet.
- To prevent transparencies from sticking to each other, do not let the printed sheets stack up as they are being printed out.
- Recommended media: Transparency for a color laser printer by Xerox, such as 3R 91331 (A4), 3R 2780 (Letter)

- Must withstand the machine's fusing temperature.
- Place them on a flat surface after removing them from the machine.
- Do not leave unused transparencies in the paper tray for long. Dust and dirt may accumulate on them, resulting in spotty printing.
- To avoid smudging caused by fingerprints, handle them carefully.
- To avoid fading, do not expose printed transparencies to prolonged sunlight.
- Ensure that transparencies are not wrinkled, curled, or have any torn edges.

# Media and tray

## Labels

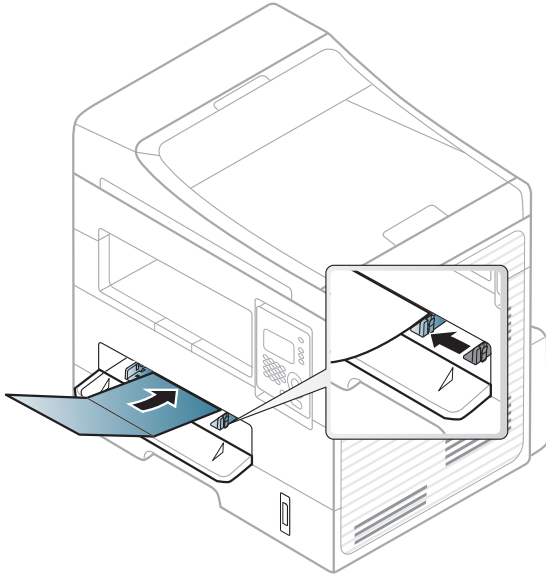
To avoid damaging the machine, use only labels designed for use in laser printers.



- 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 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

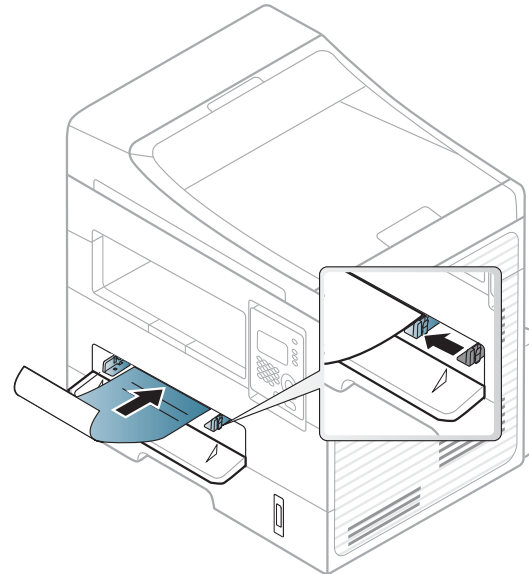
## Card stock/ Custom-sized paper



- In the software application, set the margins to 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°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.

# Media and tray

## Setting the paper size and type

After loading paper in the paper tray, set the paper size and type using the control panel buttons.



It may be necessary to press **OK** to navigate to lower-level menus for some models.

- 1 Select  **(Menu)** > **System Setup** > **Paper Setup** > **Paper Size** or **Paper Type** on the control panel.
- 2 Select the tray and the option you want.
- 3 Press **OK** to save the selection.



- The settings set from the machine driver override the settings on the control panel.
  - a To print from an application, open an application and start the print menu.
  - b Open **Printing Preferences** (see "Opening printing preferences" on page 56).
  - c Press the **Paper** tab and select an appropriate paper.
- If you want to use special-sized paper such as billing paper, select the **Paper** tab > **Size** > **Edit...** and set **Custom Paper Size Settings** in the **Printing Preferences** (see "Opening printing preferences" on page 56).

## Preparing originals

- Do not load paper smaller than 142 x 148 mm (5.6 x 5.8 inches) or larger than 216 x 356 mm (8.5 x 14 inches).
- Do not attempt to load the following s of paper, in order to prevent paper jam, low print quality and machine damage.
  - Carbon-paper or carbon-backed paper
  - Coated paper
  - Onion skin or thin paper
  - Wrinkled or creased paper
  - Curled or rolled paper
  - Torn paper
- Remove all staples and paper clips before loading.
- Make sure any glue, ink, or correction fluid on the paper is completely dry before loading.
- Do not load originals that include different sizes or weights of paper.
- Do not load booklets, pamphlets, transparencies, or documents with other unusual characteristics.

# Media and tray

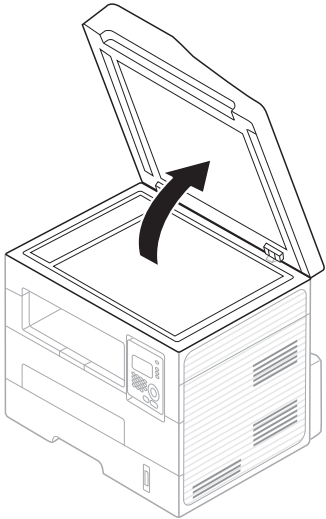
## Loading originals

You can use the scanner glass or the document feeder to load an original for copying, scanning, and sending a fax(SCX-472x Series only).

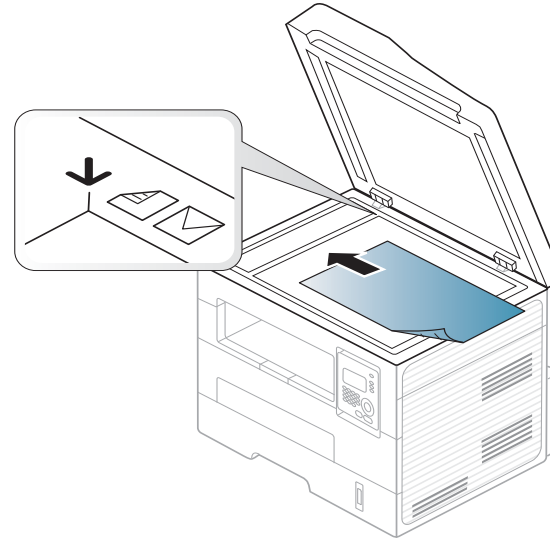
### On the scanner glass

Using the scanner glass, you can copy or scan originals. You can get the best scan quality, especially for colored or gray-scaled images. Make sure that no originals are in the document feeder. If an original is detected in the document feeder, the machine gives it priority over the original on the scanner glass.

- 1 Lift and open the scanner lid.



- 2 Place the original face down on the scanner glass. Align it with the registration guide at the top left corner of the glass.



- 3 Close the scanner lid.



- Leaving the scanner lid open while copying may affect copy quality and toner consumption.
- Dust on the scanner glass may cause black spots on the printout. Always keep it clean (see "Cleaning the machine" on page 78).
- If you are copying a page from a book or magazine, lift the scanner lid until its hinges are caught by the stopper and then close the lid. If the book or magazine is thicker than 30 mm, start copying with the scanner lid open.

# Media and tray

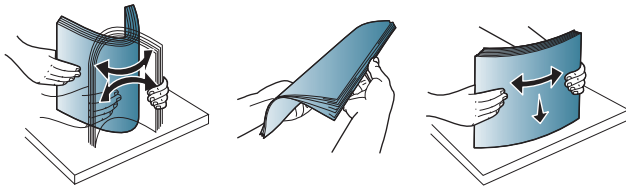


- Be careful not to break the scanner glass. You may get hurt.
- Do not put hands while closing the scanner lid. The scanner lid may fall on your hands and get hurt.
- Do not look the light from inside of the scanner while copying or scanning. It is harmful to eyes.

## In the document feeder

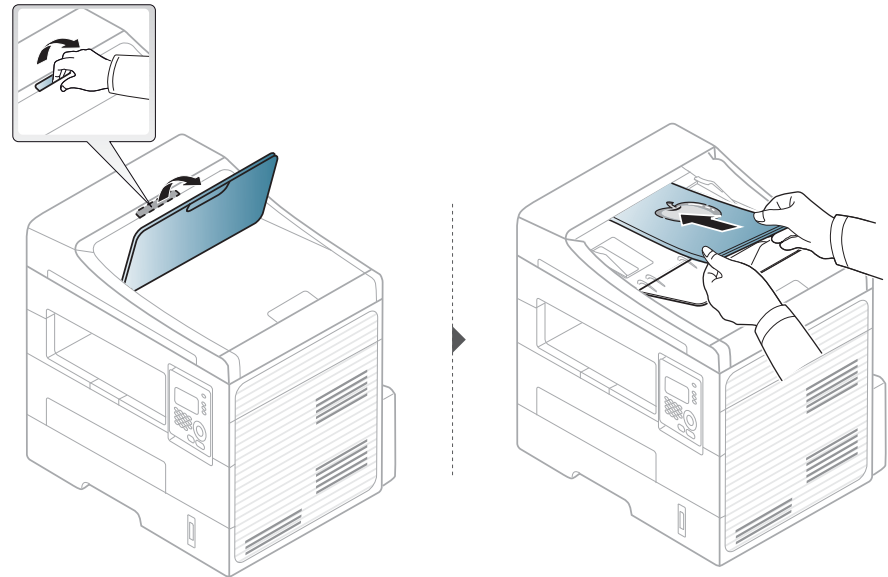
Using the document feeder, you can load up to 40 sheets of paper (75 g/m<sup>2</sup>, 20 lbs bond) for one job.

- 1 Flex or fan the edge of the paper stack to separate the pages before loading originals.



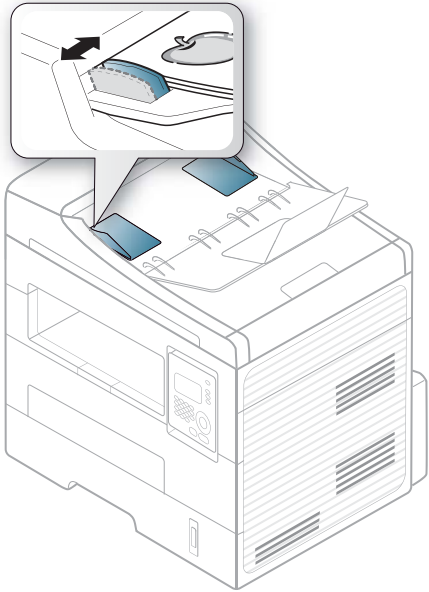
2

Load the original face up into the document feeder input tray. Make sure that the bottom of the original stack matches the paper size marked on the document input tray.



# Media and tray

- 3 Adjust the document feeder width guides to the paper size.



- Dust on the document feeder glass may cause black lines on the printout. Always keep the glass clean (see "Cleaning the machine" on page 78).
- To print on both sides of the paper using the ADF, from the control panel press  **(Copy)** >  **(Menu)** > **Copy Feature** > **Duplex** > **1 -> 2 Side Long** or **1 -> 2 SideShort** and print on one side of the paper, then reload the sheet to print on the other side (Not supported SCX-472xFN Series).

# Basic printing



For special printing features, refer to the Advanced Guide (see "Using advanced print features" on page 210).

## Printing

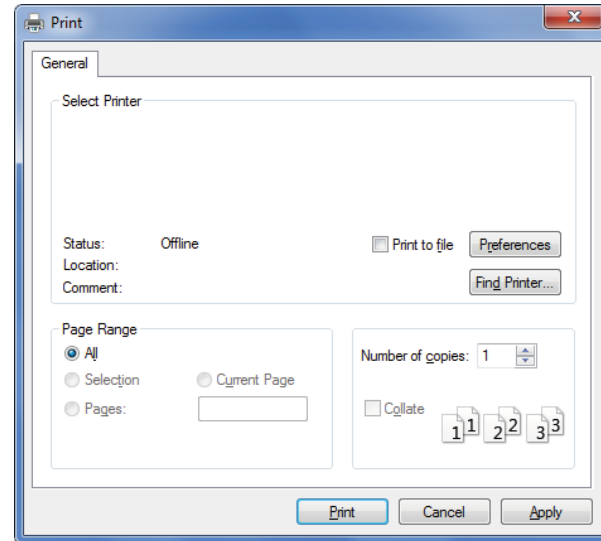


If you are a Macintosh or Linux user, refer to the "Macintosh printing" on page 218 or "Linux printing" on page 219.

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 56).

- 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  (**Stop/Clear**) on the control panel.

# Basic printing

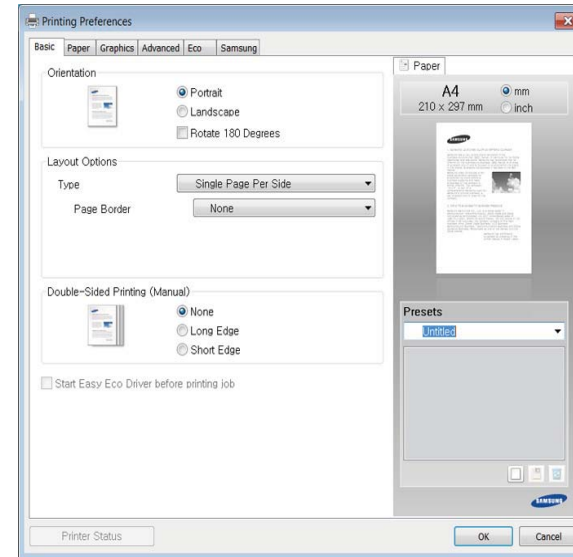
## Opening printing preferences



- The **Printing Preferences** window that appears in this user's guide may differ depending on the machine in use.
- 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. The **Print** window appears.
- 3 Select your machine from the **Select Printer**.

## 4 Click **Properties** or **Preferences**.



You can check the machine's current status pressing the **Printer Status** button (see "Using Samsung Printer Status" on page 258).

This illustration may differ from your machine depending on your model.

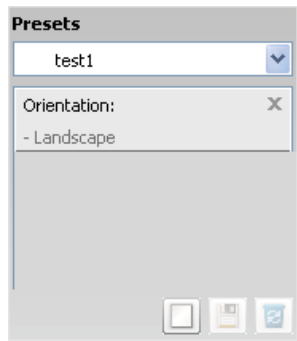
## Using a favorite setting

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:

# Basic printing

- 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 reduces 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 **Double-sided printing (Long Edge)** (Not supported SCX-472xFN Series), **Multiple Pages per Side (2)**, **Skip blank pages**, and **Toner Save**.



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 251).

# Basic printing

## Setting Eco mode on the control panel



- The settings set from the machine's driver override the settings on the control panel.
- Accessing menus may differ from model to model (see "Accessing the menu" on page 30).
- It may be necessary to press **OK** to navigate to lower-level menus for some models.

1

Select  (**Menu**) > **System Setup** > **Machine Setup** > **Eco Settings** on the control panel.

2

Select the option you want and press **OK**.

- **Default Mode:** Select this to turn on or off the eco mode. (Duplex (long edge)(Not supported SCX-472xFN Series)/Toner save/2-up/Skip blank pages)
  - **Off:** Set the eco mode off.
  - **On:** Set the eco mode on.



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

- **Change Template:** Follow the settings from SyncThru™ Web Service. Before you select this item, you must set the eco function in SyncThru™ Web Service > **Settings** tab > **Machine Settings** > **System** > **Eco** > **Settings**.

3

Press **OK** to save the selection.

## 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.

### 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 has enabled Eco mode, you have to enter the password to change the status.

# Basic printing

## Result simulator

**Result Simulator** shows the 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 CO<sub>2</sub>, energy, and paper from **IEA**, the index of Ministry of Internal Affairs and Communication of Japan and [www.remanufacturing.org.uk](http://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 saved or reduced amount may differ depending on the operating system used, computing performance, application software, connection method, media, media size, job complexity, etc.

# Basic copying



For special printing features, refer to the Advanced Guide (see "Copy menu" on page 173).

## Basic copy

- 1 Select  (copy) on the control panel.
- 2 Place a single document face down on the document glass, or load the documents face up into the document feeder (see "Loading originals" on page 51).
- 3 If you want to customize the copy settings including **Reduce/Enlarge**, **Darkness**, **Contrast**, **Original**, and more by using the control panel buttons (see "Changing the settings for each copy" on page 60).
- 4 Enter the number of copies using the arrow or number keypad, if necessary.
- 5 Press  (**Start**).



If you need to cancel the copying job during the operation, press  (**Stop/Clear**) and the copying will stop.

## Changing the settings for each copy

Your machine provides default settings for copying so that you can quickly and easily make a copy. However, if you want to change the options for each copy, use the copy function buttons on the control panel.



- If you press  (**Stop/Clear**) while setting the copy options, all of the options you have set for the current copy job will be canceled and returned to their default status. Or, they will automatically return to their default status after the machine completes the copy in progress.
- Accessing menus may differ from model to model (see "Accessing the menu" on page 30).
- It may be necessary to press **OK** to navigate to lower-level menus for some models.

## Darkness

If you have an original containing faint marking and dark images, you can adjust the brightness to make a copy that is easier to read.

# Basic copying

- 1 Select  (copy) >  (**Menu**) > **Copy Feature** > **Darkness** on the control panel.  
Or select Darkness button on the control panel.
- 2 Select the option you want and press **OK**.  
For example, the **Light+5** being the lightest, and the **Dark+5** being the darkest.
- 3 Press  (**Stop/Clear**) to return to ready mode.

## Contrast

The Contrast menu lets you increase or decrease the difference between the bright and dark areas of an image.

- 1 Select  (copy) >  (**Menu**) > **Copy Feature** > **Contrast** on the control panel.
- 2 Select the option you want and press **OK**. Select **Dark** to heighten the contrast and select **Light** to reduce it.
- 3 Press  (**Stop/Clear**) to return to ready mode.

## Original

The original setting is used to improve the copy quality by selecting the document for the current copy job.

- 1 Select  (copy) >  (**Menu**) > **Copy Feature** > **Original** type on the control panel.
- 2 Select the option you want and press **OK**.
  - **Text**: Use for originals containing mostly text.
  - **Text/Photo**: Use for originals with mixed text and photographs.



If texts in the printout is blurry, select **Text** to get the clear texts.

- **Photo**: Use when the originals are photographs.
- 3 Press  (**Stop/Clear**) to return to ready mode.

## Reduced or enlarged copy

You can reduce or enlarge the size of a copied image from 25% to 400% when you copy original documents from the scanner glass.



- This feature may not be available depending on model or optional goods (see "Variety feature" on page 8).
- If the machine set to Eco mode, reduce and enlarge features are not available.

# Basic copying

## To select from the predefined copy sizes

- 1 Select  (copy) >  (Menu) > **Copy Feature** > **Reduce/Enlarge** on the control panel.
- 2 Select the option you want and press **OK**.
- 3 Press  (**Stop/Clear**) to return to ready mode.

## To scale the copy by directly entering the scale rate

- 1 Select  (copy) >  (Menu) > **Copy Feature** > **Reduce/Enlarge** > **Custom** on the control panel.
- 2 Enter the copy size you want using the numeric keypad.
- 3 Press **OK** to save the selection.
- 4 Press  (**Stop/Clear**) to return to ready mode.



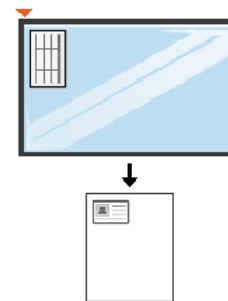
When you make a reduced copy, black lines may appear at the bottom of your copy.

The machine prints one side of the original on the upper half of the paper and the other side on the lower half without reducing the size of the original. This feature is helpful for copying a small-sized item such as business card.



- The original must be placed on the scanner glass to use this feature.
- If the machine set to Eco mode, this feature is not available.
- For better image quality, Select  (copy) >  (Menu) > **Copy Feature** > **Original Type** > **Photo** on the control panel.

- 1 Press **ID Copy** on the control panel.
- 2 Place the front side of an original facing down on the scanner glass where arrows indicate as shown. Then, close the scanner lid.



- 3 **Place Front Side and Press [Start]** appears on the display.

## ID card copying

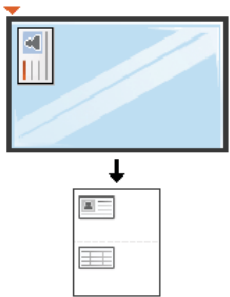
Your machine can print 2-sided originals on one sheet.

# Basic copying

## 4 Press **Start**.

Your machine begins scanning the front side and shows **Place Back Side and Press [Start]**.

## 5 Turn the original over and place it on the scanner glass where arrows indicate as shown. Then, close the scanner lid.



## 6 Press **Start**.



- If you do not press the **Start** button, only the front side will be copied.
- If the original is larger than the printable area, some portions may not be printed.

# Basic scanning



For special scanning features, refer to the Advanced Guide (see "Scan features" on page 224).

## Basic Scanning

This is the normal and usual procedure for scanning originals.

This is a basic scanning method for USB-connected machine.



- It may be necessary to press **OK** to navigate to lower-level menus for some models.
- if you want to scan using the network, refer to the Advanced Guide (see "Scanning from network connected machine" on page 232).

- 1 Place a single document face down on the document glass, or load the documents face up into the document feeder (see "Loading originals" on page 51).
- 2 Select  (scan) > **Scan to PC** > **Local PC** on the control panel.



If you see **Not Available** message, check the port connection, or select **Enable Scan from Device Panel** in **Samsung Easy Printer Manager** >



**Switch to advanced mode** > **Scan to PC Settings**.

3

Select the application program you want and press **OK**.

Default setting is **My Documents**.



You can add or delete the folder where the scanned file is saved in **Samsung**

**Easy Printer Manager** >  **Switch to advanced mode.** > **Scan to PC Settings**.

4

Select the option you want and press **OK**.

5

Scanning begins.



Scanned image is saved in computer's **C:\Users\users name\MyDocuments**. The saved folder may differ, depending on your operating system or the application you are using.

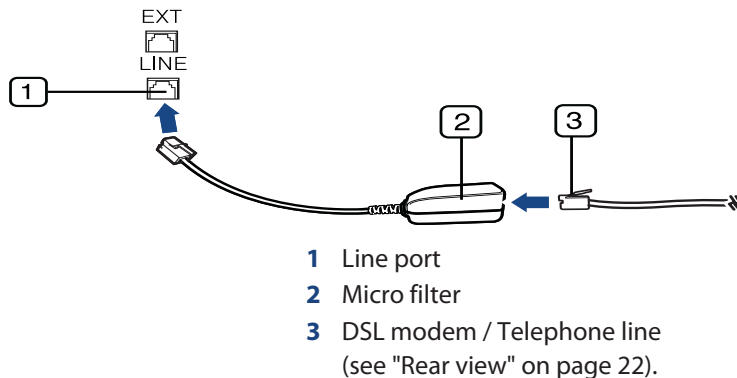
# Basic faxing



- This function is not supported for SCX-470X Series (see "Control panel overview" on page 23).
- For special faxing features, refer to the Advanced Guide (See "Fax features" on page 235).



- You cannot use this machine as a fax via the internet phone. For more information ask your internet service provider.
- We recommend using traditional analog phone services (PSTN: Public Switched Telephone Network) when connecting telephone lines to use a fax machine. If you use other Internet services (DSL, ISDN, VoIP), you can improve the connection quality by using the Micro-filter. The Micro-filter eliminates unnecessary noise signals and improves connection quality or Internet quality. Since the DSL Micro-filter is not provided with the machine, contact your Internet service provider for use on DSL Micro-filter.



- SCX-470x Series does not support the fax features.

## Preparing to fax



SCX-470x Series does not support the fax features.

Before you send or receive a fax, you need to connect the supplied line cord to your telephone wall jack (see "Rear view" on page 22). Refer to the Quick Installation Guide how to make a connection. The method of making a telephone connection is different from one country to another.

## Sending a fax



- When you place the originals, you can use either the document feeder or the scanner glass. If the originals are placed on both the document feeder and the scanner glass, the machine will read the originals on the document feeder first, which has higher priority in scanning.
- SCX-470x Series does not support the fax features.

1

Place a single document face down on the document glass, or load the documents face up into the document feeder (see "Loading originals" on page 51).

2

Select  (fax) on the control panel.

# Basic faxing

- 3 Adjust the resolution and the darkness to suit your fax needs (see "Adjusting the document settings" on page 67).
- 4 Enter the destination fax number.
- 5 Press  (**Start**) on the control panel. The machine starts to scan and send the fax to the destinations.



- If you want to send a fax directly from your computer, use Samsung Network PC Fax (see "Sending a fax in the computer" on page 236).
- When you want to cancel a fax job, press  (**Stop/Clear**) before the machine starts transmission.
- If you used the scanner glass, the machine shows the message asking to place another page.

## Sending a fax manually

Perform the following to send a fax using  (**On Hook Dial**) on the control panel. If your machine is a handset model, you can send a fax using the handset (see "Features by models" on page 5).

- 1 Place a single document face down on the document glass, or load the documents face up into the document feeder (see "Loading originals" on page 51).
- 2 Select  (fax) on the control panel.

- 3 Adjust the resolution and the darkness to suit your fax needs (see "Adjusting the document settings" on page 67).
- 4 Press **On Hook Dial** on the control panel or lift the handset.
- 5 Enter a fax number using the number keypad on the control panel.
- 6 Press  (**Start**) on the control panel when you hear a high-pitched fax signal from the remote fax machine.

## Sending a fax to multiple destinations

You can use the multiple send feature, which allows you to send a fax to multiple locations. Originals are automatically stored in memory and sent to a remote station. After transmission, the originals are automatically erased from memory (see "Features by models" on page 5).



You cannot send faxes with this feature if you chosen super fine as an option or if the fax is in color.

- 1 Place a single document face down on the document glass, or load the documents face up into the document feeder (see "Loading originals" on page 51).
- 2 Select  (fax) on the control panel.

# Basic faxing

- 3 Adjust the resolution and the darkness to suit your fax needs (see "Adjusting the document settings" on page 67).
- 4 Select  (**Menu**) > **Fax Feature** > **Multi Send** on the control panel.
- 5 Enter the number of the first receiving fax machine and press **OK**.  
You can press speed dial numbers or select a group dial number using the  (**Address book**) button (see Advanced Guide).
- 6 Enter the second fax number and press **OK**.  
The display asks you to enter another fax number to send the document.
- 7 To enter more fax numbers, press **OK** when **Yes** appears and repeat steps 5 and 6. You can add up to 10 destinations.



Once you have entered a group dial number, you cannot enter another group dial number.

- 8 When you have finished entering fax numbers, select **No** at the **Another No.?** prompt and press **OK**.

The machine begins sending the fax to the numbers you entered in the order in which you entered them.

## Receiving a fax



SCX-470x Series does not support the fax features.

Your machine is preset Fax mode at the factory. When you receive a fax, the machine answers the call on a specified number of rings and automatically receives the fax.

## Adjusting the document settings



SCX-470x Series does not support the fax features.

Before starting a fax, change the following settings according to your original's status to get the best quality.



It may be necessary to press **OK** to navigate to lower-level menus for some models.

# Basic faxing

## Resolution

The default document settings produce good results when using typical text-based originals. However, if you send originals that are of poor quality, or contain photographs, you can adjust the resolution to produce a higher quality fax.

- 1 Select  (fax) >  (**Menu**) > **Fax Feature** > **Resolution** on the control panel.
- 2 Select the option you want and press **OK**.
  - **Standard**: Originals with normal sized characters.
  - **Fine**: Originals containing small characters or thin lines or originals printed using a dot-matrix printer.
  - **Super Fine**: Originals containing extremely fine detail. **Super Fine** mode is enabled only if the machine with which you are communicating also supports the Super Fine resolution.



- For memory transmission, **Super Fine** mode is not available. The resolution setting is automatically changed to **Fine**.
- When your machine is set to **Super Fine** resolution and the fax machine with which you are communicating does not support **Super Fine** resolution, the machine transmits using the highest resolution mode supported by the other fax machine.

- **Photo Fax**: Originals containing shades of gray or photographs.
- **Color Fax**: Original with colors.



- Memory transmission is not available in this mode.
- You can only send a color fax if the machine you are communicating with supports color fax reception and you send the fax manually.

3

Press  (**Stop/Clear**) to return to ready mode.

## Darkness

You can select the degree of darkness of the original document.



The darkness setting is applied to the current fax job. To change the default setting (see "Fax menu" on page 180).

1

Select  (fax) >  (**Menu**) > **Fax Feature** > **Darkness** on the control panel.

2

Select a darkness level you want.

3

Press  (**Stop/Clear**) to return to ready mode.



## 3. Maintenance

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

- **Ordering supplies and accessories** 70
- **Available supplies** 71
- **Available maintenance parts** 72
- **Redistributing toner** 73
- **Replacing the toner cartridge** 74
- **Monitoring the supplies life** 76
- **Setting the toner low alert** 77
- **Cleaning the machine** 78



# 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](http://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 s of supplies for your machine:

| Type                           | Average yield <sup>1</sup> | Part name |
|--------------------------------|----------------------------|-----------|
| Standard yield toner cartridge | Approx. 1,500 pages        | MLT-D103S |
| High yield toner cartridge     | Approx. 2,500 pages        | MLT-D103L |

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 <sup>1</sup> |
|-----------------------------------|----------------------------|
| <b>Document feeder rubber pad</b> | Approx. 20,000 pages       |
| <b>Transfer roller</b>            | Approx. 100,000 pages      |
| <b>Fuser unit</b>                 | Approx. 50,000 pages       |
| <b>Pickup roller</b>              | Approx. 50,000 pages       |
| <b>Retard roller</b>              | Approx. 50,000 pages       |
| <b>Forward Roller</b>             | Approx. 50,000 pages       |
| <b>Feed Roller</b>                | Approx. 50,000 pages       |

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

# 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 **Status** LED blinks red.

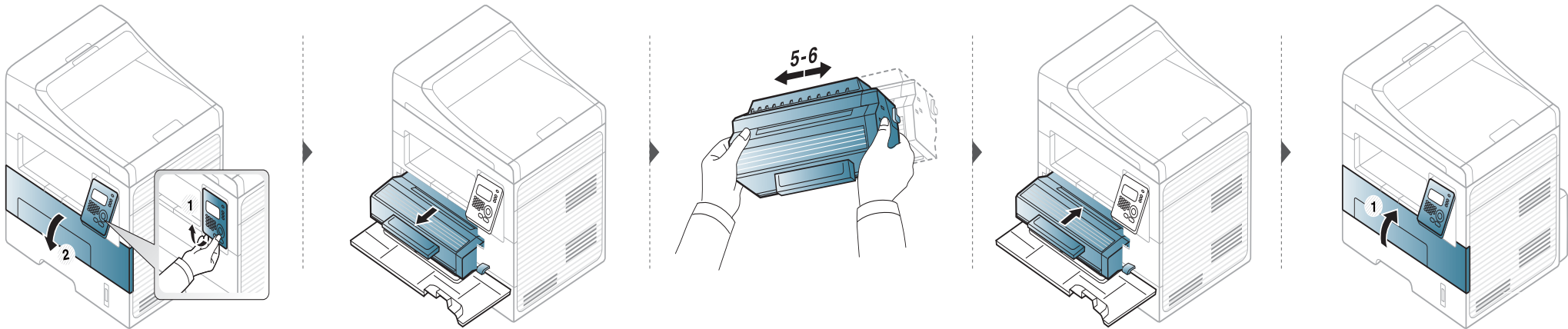
If this happens, you can temporarily improve print quality by redistributing the remaining toner in the cartridge. In some cases, white streaks or light printing will still occur even after you have redistributed the toner.



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.



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



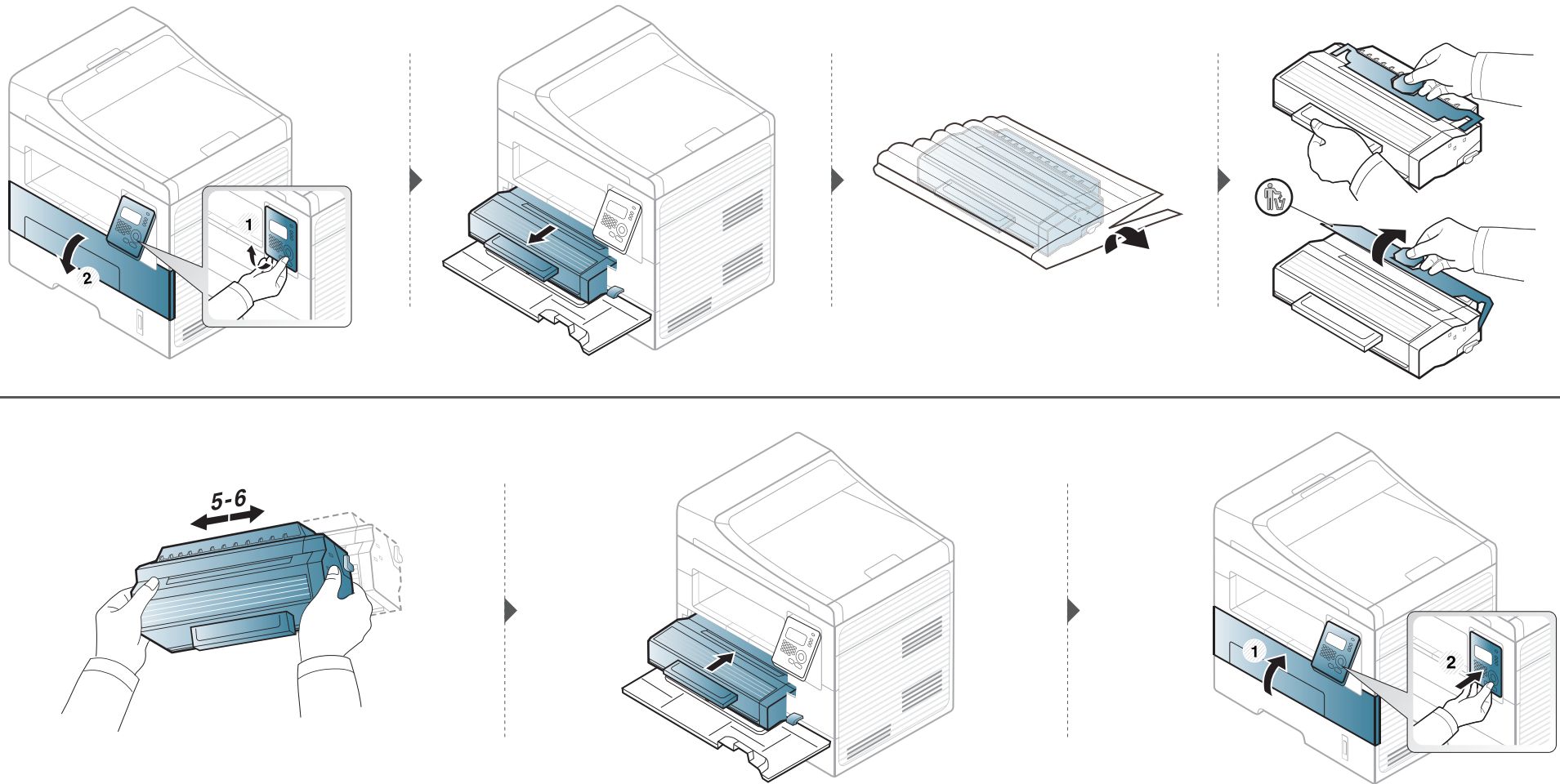
Click this link to open an animation about solving power problems.



- 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.



# Monitoring the supplies life

If you experience frequent paper jams or printing problems, check the number of pages the machine has printed or scanned. Replace the corresponding parts, if necessary.

 It may be necessary to press **OK** to navigate to lower-level menus for some models.

- 1 Select  (**Menu**) > **System Setup** > **Maintenance** > **Supplies Life** on the control panel.
- 2 Select the option you want and press **OK**.
  - **Supplies Info**: Prints the supply information page.
  - **Total**: Displays the total number of pages printed.
  - **ADF Scan**: Displays the number of pages printed by using the document feeder.
  - **Platen Scan**: Displays the number of pages scanned by using scanner glass.
- 3 Press  (**Stop/Clear**) to return to ready mode.

# Setting the toner low alert

If the amount of toner in the cartridge is low, a message or LED informing the user to change the toner cartridge appears. You can set the option for whether or not this message or LED appears.

- 1 Select  (**Menu**) > **System Setup** > **Maintenance** > **Toner Low Alert** on the control panel.
- 2 Select the option you want.
- 3 Press **OK** to save the selection.

# 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

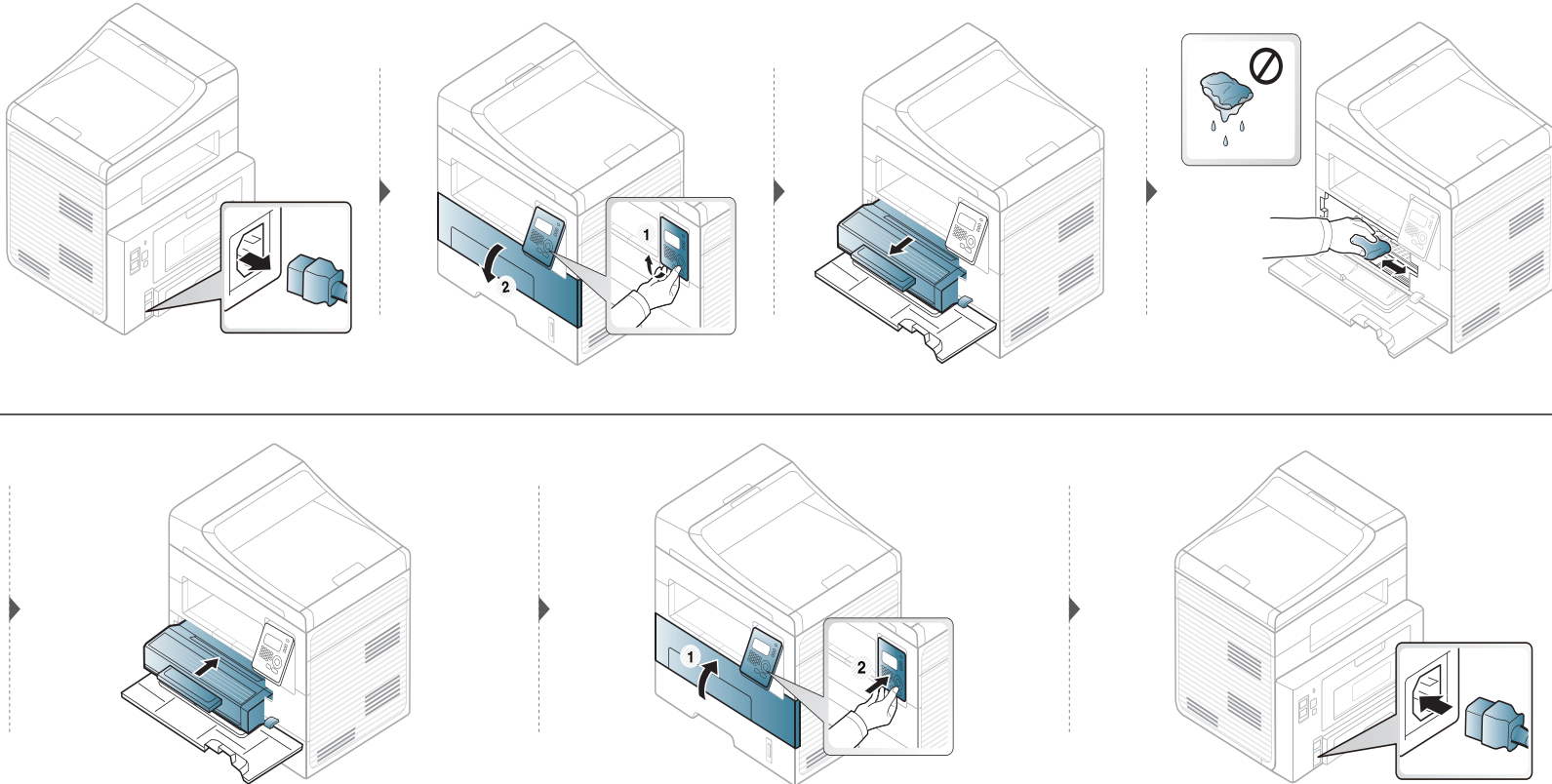
Clean the machine cabinet with a soft, lint-free cloth. Dampen the cloth slightly with water, but be careful not to let any water drip onto or into the machine.

# Cleaning the machine

## Cleaning the inside



- 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 front cover, close the output support first.



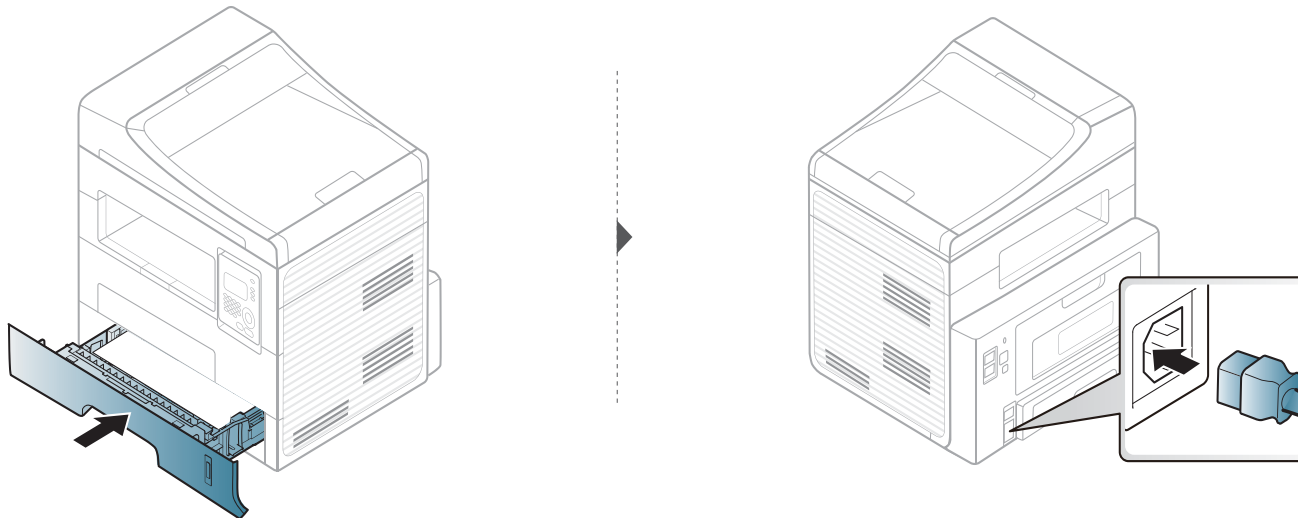
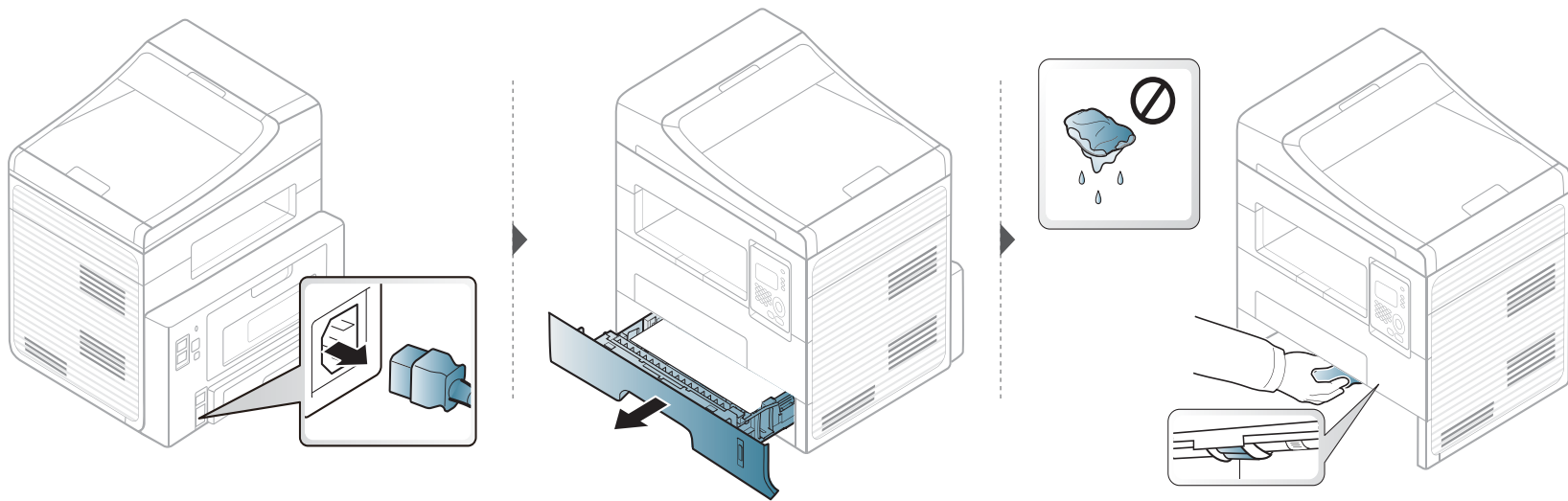
# Cleaning the machine

## Cleaning the pickup roller



- Before opening the front cover, close the output support first.
- If your machine has a power switch, turn the power switch before cleaning the machine.

# Cleaning the machine

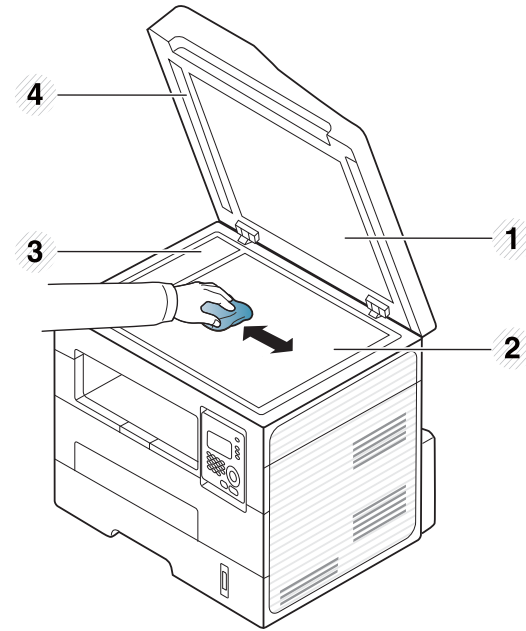


# Cleaning the machine

## Cleaning the scan unit

Keeping the scan unit clean helps ensure the best possible copies. We suggest that you clean the scan unit at the start of each day and during the day as needed.

- 1 Slightly dampen a soft, lint-free cloth or paper towel with water.
- 2 Lift and open the scanner lid.
- 3 Wipe the surface of the scanner glass until it is clean and dry.



- 1 Scanner lid
- 2 Scanner glass
- 3 Document feeder glass
- 4 White bar

- 4 Wipe the underside of the scanner lid and white sheet until it is clean and dry.
- 5 Close the scanner lid.



## 4. Troubleshooting

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

- **Tips for avoiding paper jams** 84
- **Clearing original document jams** 85
- **Clearing paper jams** 89
- **Understanding the status LED** 94
- **Understanding display messages** 96



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. 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 medias, 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 40).
- 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 s in a tray.
- Use only recommended print media (see "Print media specifications" on page 103).

# Clearing original document jams

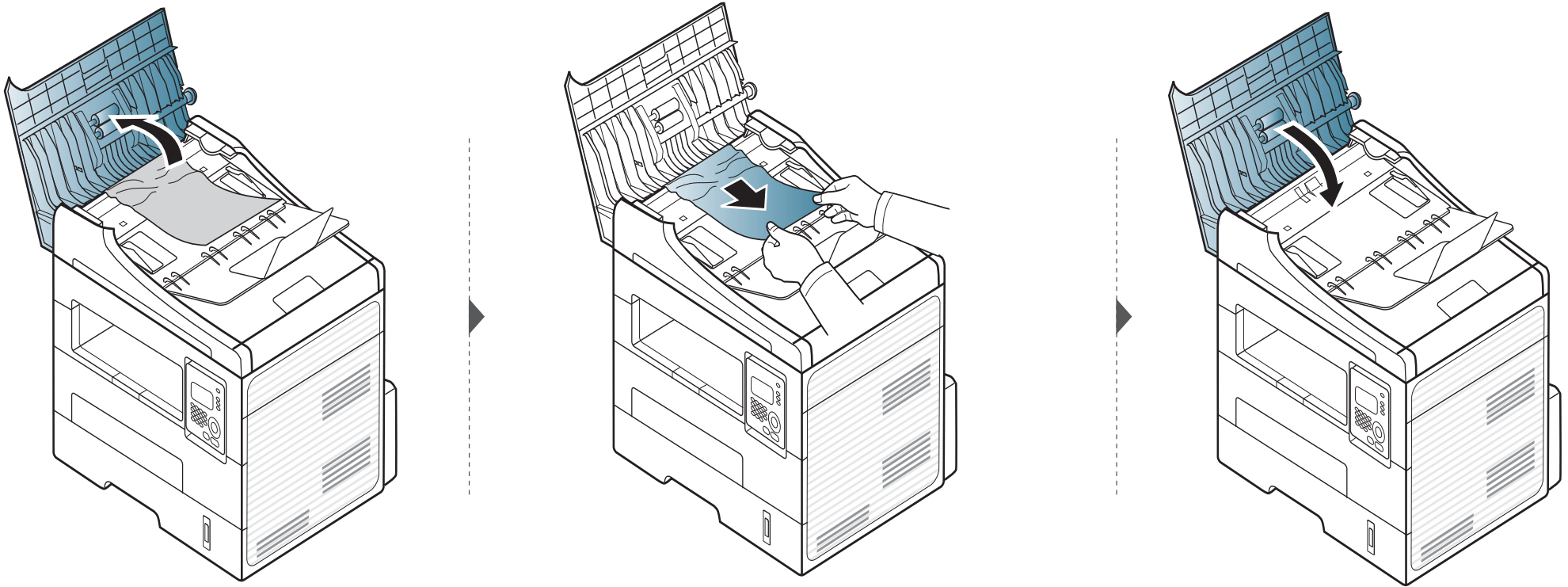
When an original document jams in the document feeder, a warning message appears on the display.

 To avoid tearing the document, remove the jammed document slowly and carefully.

 To prevent document jams, use the scanner glass for thick, thin or mixed paper- originals.

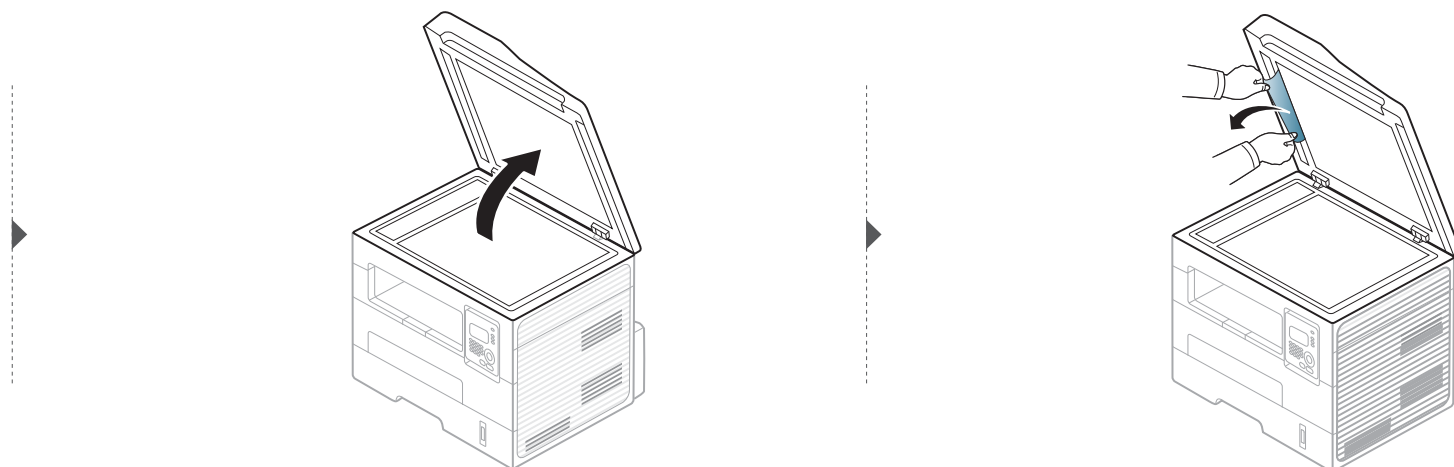
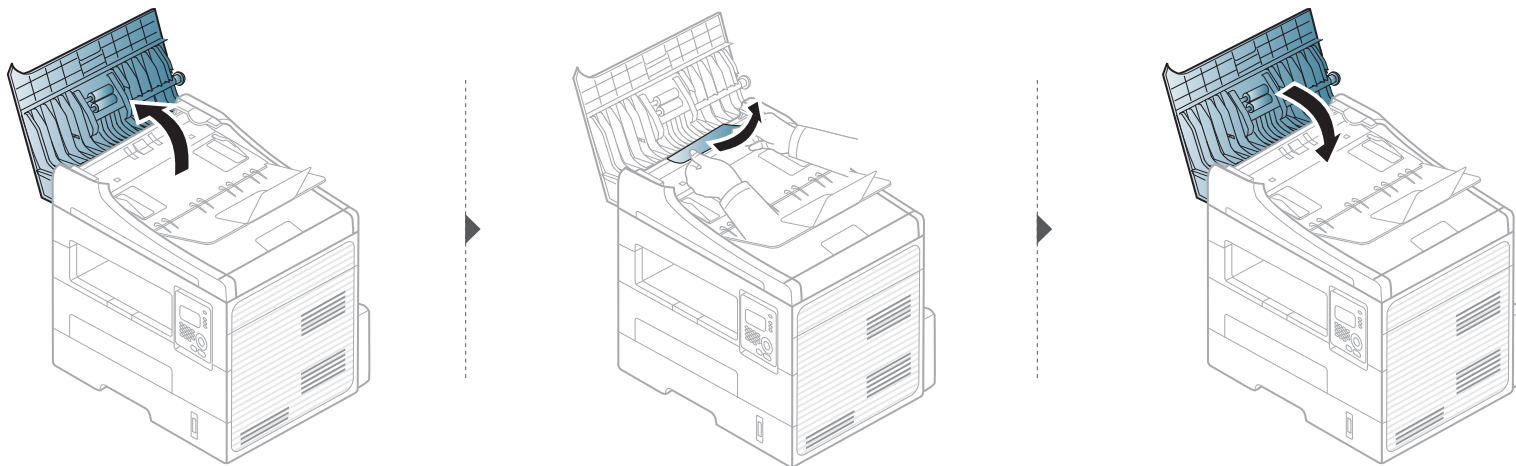
# Clearing original document jams

## Original paper jam in front of scanner



# Clearing original document jams

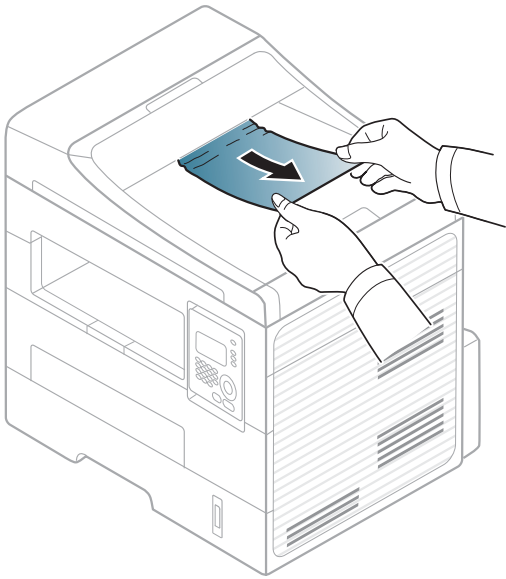
## Original paper jam inside of scanner



# Clearing original document jams

## Original paper jam in exit area of scanner

- 1 Remove any remaining pages from the document feeder.
- 2 Gently remove the jammed paper from the document feeder.



# Clearing paper jams

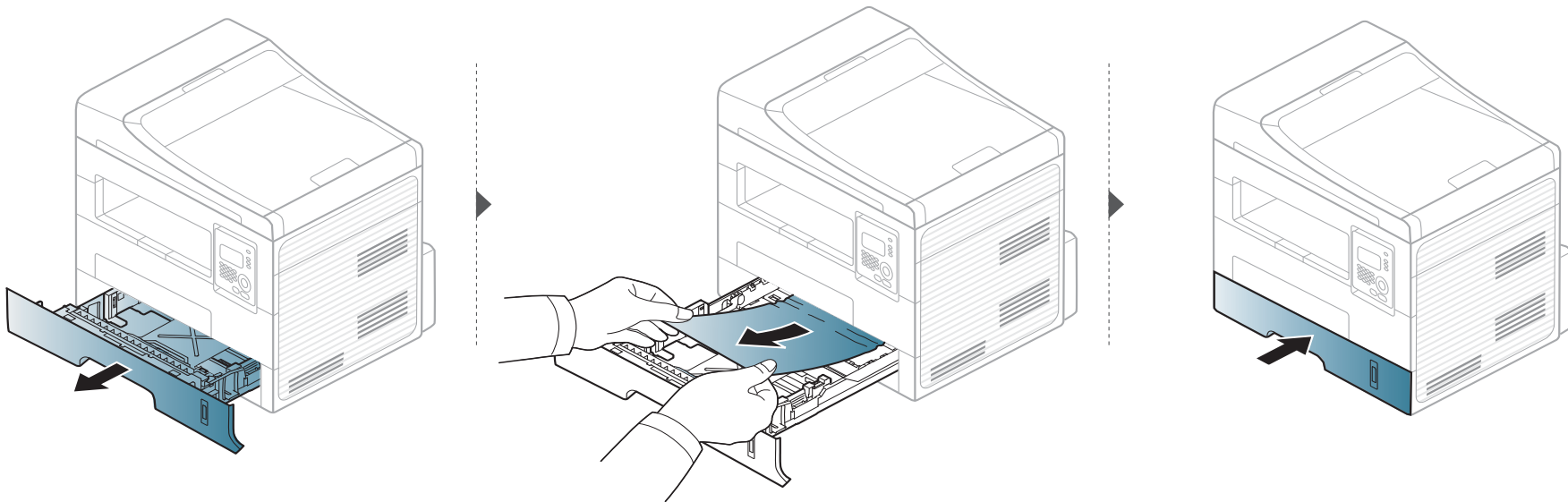


To avoid tearing the paper, pull the jammed paper out slowly and gently.

## In tray



[Click this link to open an animation about solving power problems.](#)

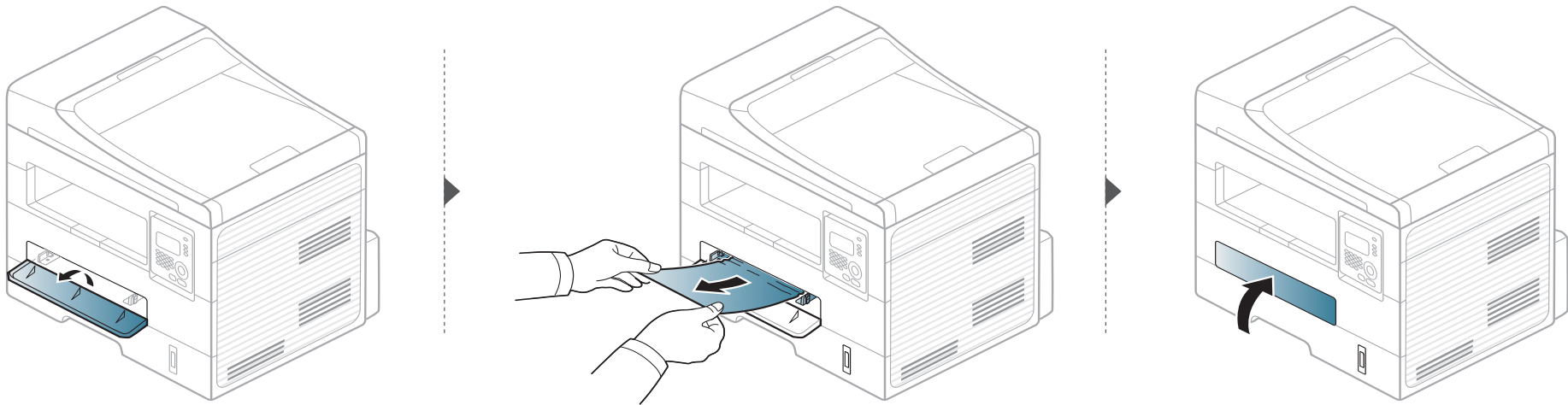


# Clearing paper jams

## In the manual tray



Click this link to open an animation about solving power problems.



# Clearing paper jams

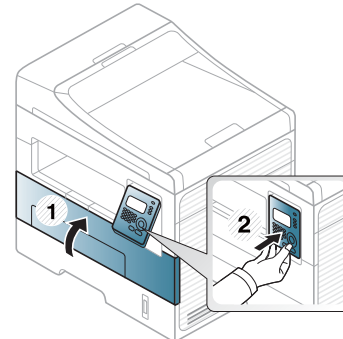
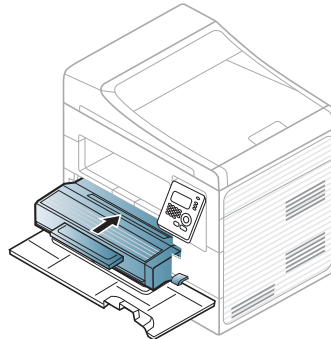
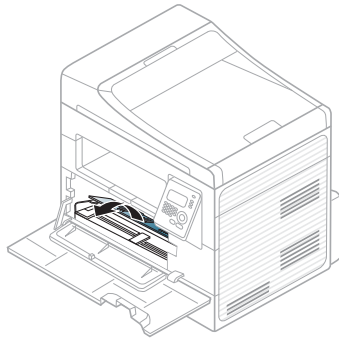
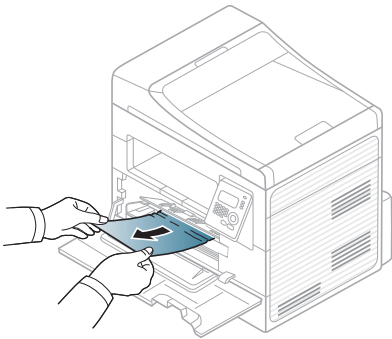
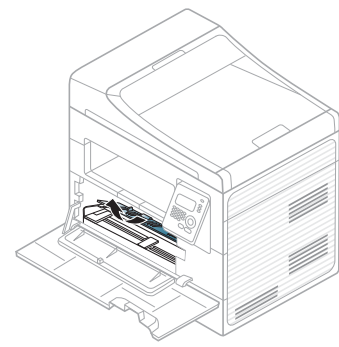
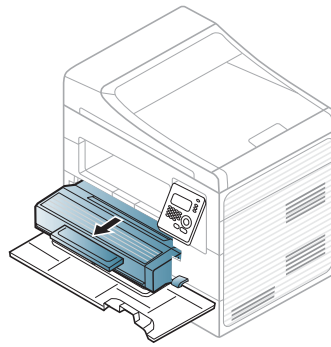
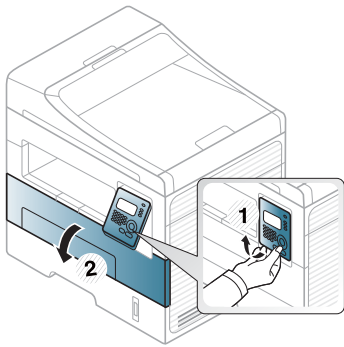
## Inside the machine



Click this link to open an animation about solving power problems.



The fuser area is hot. Take care when removing paper from the machine.

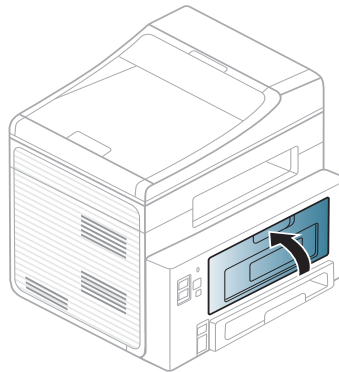
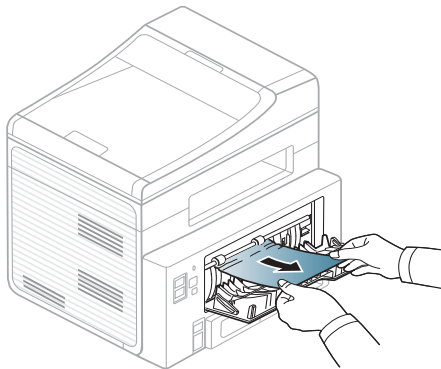
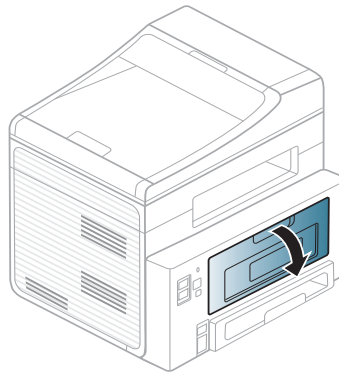
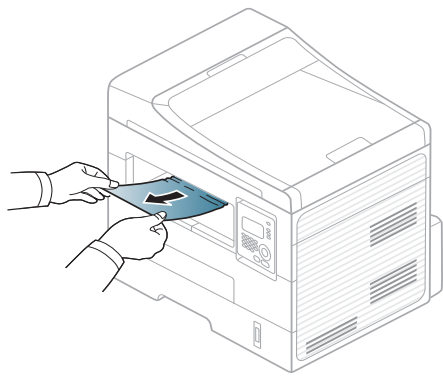


# Clearing paper jams

## In the exit area



Click this link to open an animation about solving power problems.

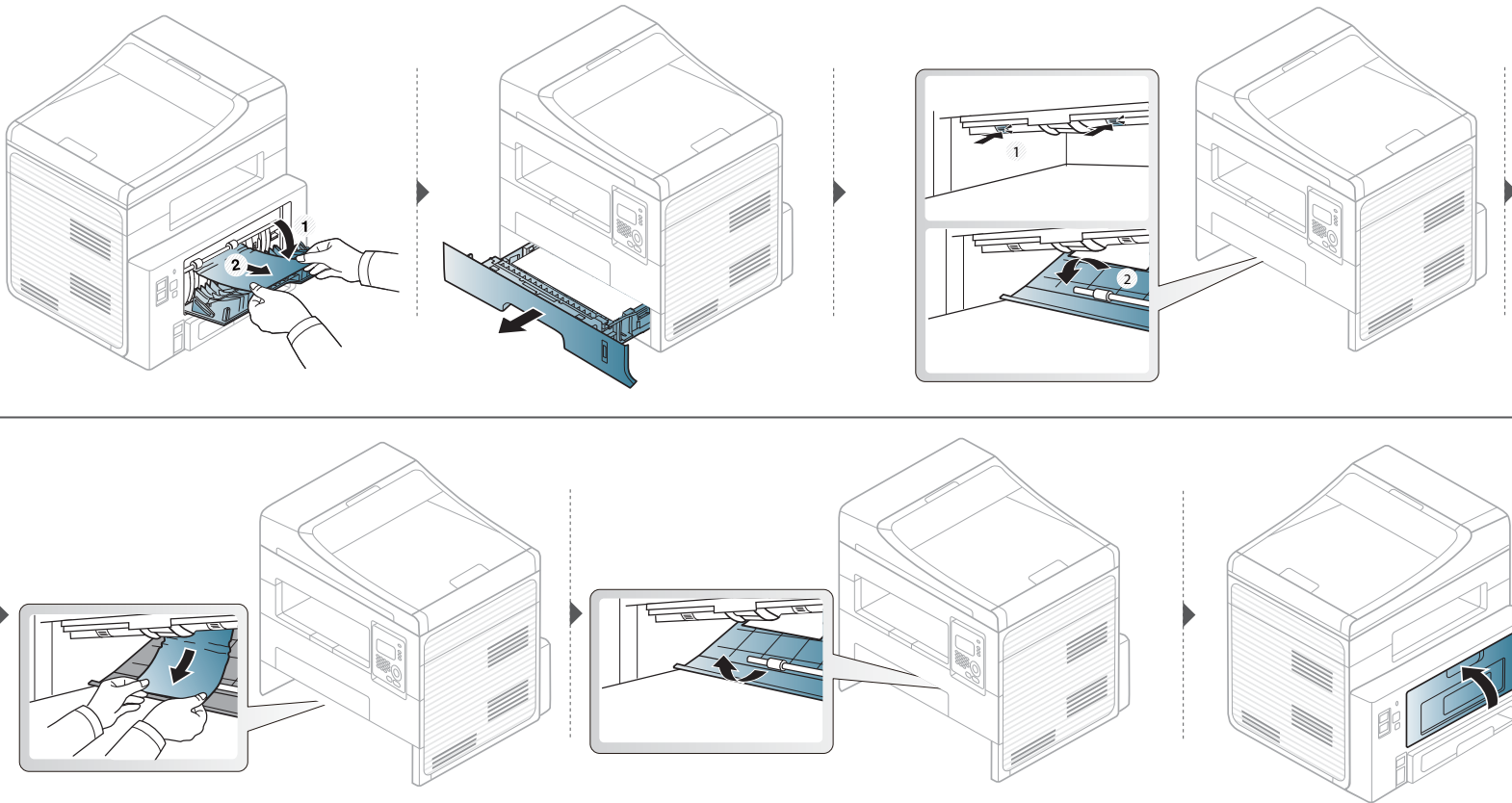


# Clearing paper jams

## In the duplex unit area



Click this link to open an animation about solving power problems.



# 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 also can resolve the error with the guideline from the computers's Printing Status or Smart Panel program window.
- If the problem persists, call a service representative.

| Status     |       |          | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------|-------|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Status LED | Off   |          | The machine is off-line.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|            | Green | Blinking | When the backlight blinks, the machine is receiving or printing data.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|            |       | On       | <ul style="list-style-type: none"><li>• The machine is on-line and can be used.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|            | Red   | Blinking | <ul style="list-style-type: none"><li>• A minor error has occurred and the machine is waiting for the error to be cleared. Check the display message. When the problem is cleared, the machine resumes. For some models that does not support the display screen on the control panel, this feature is not applicable.</li><li>• 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 73).</li></ul> |
|            |       | On       | <ul style="list-style-type: none"><li>• A toner cartridge has almost reached its estimated cartridge life<sup>1</sup>. It is recommended to replace the toner cartridge (see "Replacing the toner cartridge" on page 74).</li><li>• The cover is opened. Close the cover.</li><li>• There is no paper in the tray. Load paper in the tray.</li><li>• The machine has stopped due to a major error. Check the display message (see "Understanding display messages" on page 96).</li></ul>                                                                                                                  |

# Understanding the status LED

| Status                                                                                                       |       |     | Description                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------|-------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WPS LED <sup>2</sup>                                                                                         | Blue  | On  | When the machine is connected to a wireless network, <b>WPS LED</b> lights on blue.                                                                             |
|  <b>Power/<br/>Wakeup LED</b> | Blue  | On  | The machine is in power save mode.                                                                                                                              |
|                                                                                                              |       | Off | The machine is in ready mode or machine's power is off.                                                                                                         |
| <b>Eco button</b>                                                                                            | Green | On  | Eco mode is on. Duplex <sup>3</sup> , 2-up, toner save on, skip blank page feature will automatically be applied when printing (see "Eco printing" on page 57). |
|                                                                                                              |       | Off | Eco mode 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, percentage of image area, printing interval, graphics, media and media size. Some amount of toner may remain in the cartridge even when red LED is on and the printer stops printing.

2. SCX-472x Series only.

3. Not supported SCX-472xFN Series.

# Understanding display messages

Messages appear on the control panel display to indicate the machine's status or errors. Refer to the tables below to understand the messages' and their meaning, and correct the problem, if necessary.



- If a message is not in the table, reboot the power and try the printing job again. If the problem persists, call a service representative.
- When you call for service, provide the service representative with the contents of display message.
- Some messages may not appear on the display depending on the options or models.
- [error number] indicates the error number.
- [tray type] indicates the tray number.

| Message                                                                 | Meaning                                  | Suggested solutions                                       |
|-------------------------------------------------------------------------|------------------------------------------|-----------------------------------------------------------|
| • <b>Paper Jam in Manual Feeder</b>                                     | Paper has jammed in the manual feeder.   | Clear the jam (see "In the manual tray" on page 90).      |
| • <b>Paper Jam inside machine</b>                                       | Paper has jammed in the inside machine.  | Clear the jam (see "Inside the machine" on page 91).      |
| • <b>Paper Jam in exit area</b>                                         | Paper has jammed in the paper exit area. | Clear the jam (see "In the exit area" on page 92).        |
| • <b>Paper Jam bottom of duplex</b><br>• <b>Paper Jam top of duplex</b> | Paper has jammed in the duplex area.     | Clear the jam (see "In the duplex unit area" on page 93). |

## Paper Jam-related messages

| Message                          | Meaning                                                         | Suggested solutions                                               |
|----------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------------|
| • <b>Document jam Remove jam</b> | The loaded original document has jammed in the document feeder. | Clear the jam (see "Clearing original document jams" on page 85). |
| • <b>Paper Jam in tray</b>       | Paper has jammed in the paper feed area.                        | Clear the jam (see "In tray" on page 89).                         |

# Understanding display messages

## Toner-related messages

| Message                                 | Meaning                                                                                                   | Suggested solutions                                                                                                                                               |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| • <b>Install Toner Cartridge</b>        | A toner cartridge is not installed.                                                                       | Install a toner cartridge.                                                                                                                                        |
| • <b>Not Compatible Toner cartridge</b> | The toner cartridge you have installed is not for your machine.                                           | Install a Samsung-genuine toner cartridge, designed for your machine.                                                                                             |
| • <b>Prepare new cartridge</b>          | Small amount of toner is left in the indicated cartridge. The estimated cartridge life of toner is close. | Prepare a new cartridge for a replacement. You may temporarily increase the printing quality by redistributing the toner (see "Redistributing toner" on page 73). |

# Understanding display messages

| Message                                                                                                            | Meaning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Suggested solutions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• <b>Replace new cartridge</b></li> <li>• <b>Toner Exhausted</b></li> </ul> | <p>A toner cartridge has reached its estimated cartridge life. The machine stops printing.</p> <div>  <p>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 (see "Available supplies" on page 71). The number of pages may be affected by operating environment, percentage of image area, printing interval, media, percentage of image area, and media size. Some amount of toner may remain in the cartridge even when replace new cartridge appears and the machine stops printing.</p> </div> | <ul style="list-style-type: none"> <li>• You can choose <b>Stop</b> or <b>Continue</b> as shown on the control panel. If you select <b>Stop</b>, the printer stops printing and you cannot print any more without changing the cartridge. If you select <b>Continue</b>, the printer keeps printing but the printing quality cannot be guaranteed.</li> <li>• Replace the toner cartridge for the best print quality when this message appears. Using a cartridge beyond this stage can result in printing quality issues (see "Replacing the toner cartridge" on page 74).</li> </ul> <div>  <p>Samsung does not recommend using a non-genuine Samsung toner cartridge such as refilled or remanufactured. Samsung cannot guarantee a 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 warranty.</p> </div> <ul style="list-style-type: none"> <li>• If the machine stops printing, replace the toner cartridge (see "Replacing the toner cartridge" on page 74).</li> </ul> |

# Understanding display messages

## Tray-related messages

| Message                                                        | Meaning                                                                                      | Suggested solutions                                                                                      |
|----------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| • <b>Output bin full<br/>Remove paper</b>                      | The output tray is full.                                                                     | Remove papers from the output tray, the printer resumes printing.                                        |
| • <b>Paper Empty<br/>in [tray type]</b>                        | There is no paper in tray or manual feeder.                                                  | Load paper in tray (see "Loading paper in the tray" on page 42, "Loading paper in the tray" on page 42). |
| • <b>Tray Paper mismatch</b><br>• <b>Manual Paper mismatch</b> | The paper size specified in the printer properties does not match the paper you are loading. | Load the required size paper.                                                                            |

## Network-related messages

| Message                                   | Meaning                                                            | Suggested solutions                                                  |
|-------------------------------------------|--------------------------------------------------------------------|----------------------------------------------------------------------|
| • <b>Network Problem:<br/>IP Conflict</b> | The network IP address you have set is being used by someone else. | Check the IP address and reset it if necessary (see Advanced Guide). |

| Message                             | Meaning                           | Suggested solutions |
|-------------------------------------|-----------------------------------|---------------------|
| • <b>Wireless<br/>Network Error</b> | Wireless module is not installed. | Call for service.   |

## Misc. messages

| Message                                            | Meaning                                            | Suggested solutions                                                                                |
|----------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------------------------------------------|
| • <b>Door of scanner is open</b>                   | The document feeder cover is not securely latched. | Close the cover until it locks into place.                                                         |
| • <b>Error [error number]<br/>Turn off then on</b> | The machine unit cannot be controlled.             | Reboot the power and try the printing job again. If the problem persists, please call for service. |
| • <b>Memory Full<br/>Remove Job</b>                | The memory is full.                                | Print or remove the received fax job in <b>Secure Receive</b> (see Advanced Guide).                |
| • <b>Scanner Locked</b>                            | The scanner is locked.                             | Reboot the power. If the problem persists, please call for service.                                |



## 5. Appendix

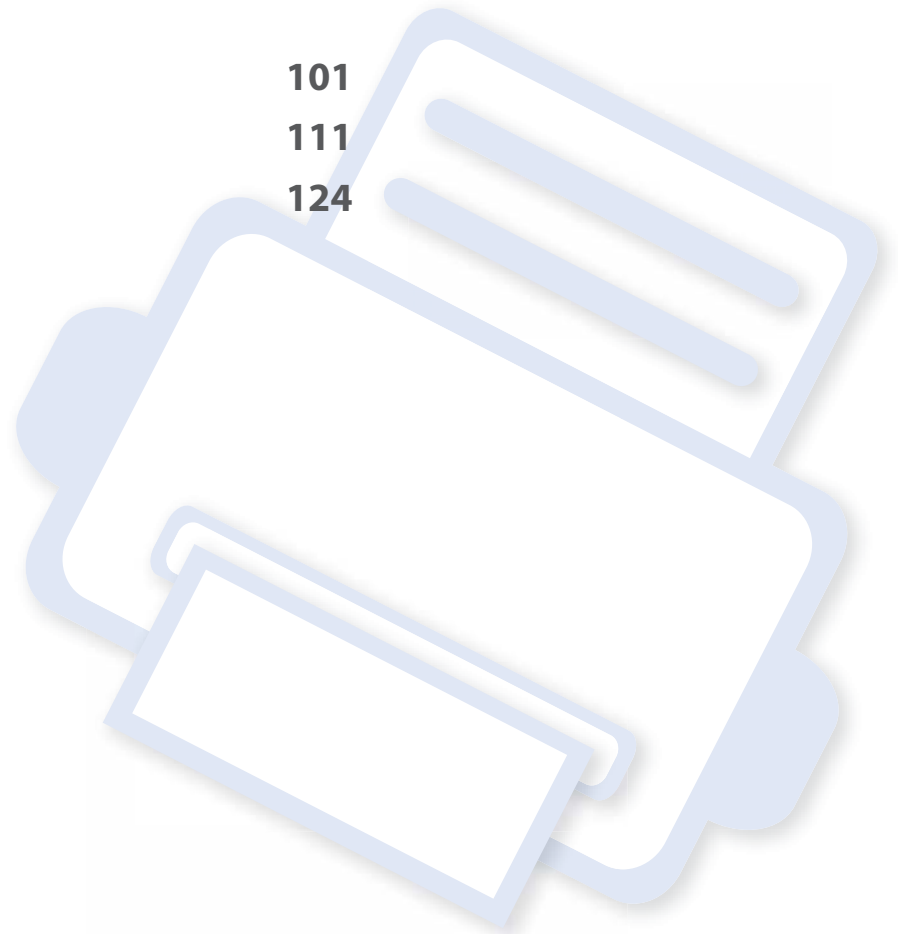
This chapter provides product specifications and information concerning applicable regulations.

- **Specifications**
- **Regulatory information**
- **Copyright**

**101**

**111**

**124**



# Specifications

## General specifications



The specification values listed below are subject to change without notice. See [www.samsung.com](http://www.samsung.com) for possible changes in information.

| Items                           |                                    | Description                                      |
|---------------------------------|------------------------------------|--------------------------------------------------|
| <b>Dimension<sup>1</sup></b>    | <b>Width x Length x Height</b>     | 406 x 338 x 384mm (15.98 x 13.30 x 15.12 inches) |
| <b>Weight<sup>1</sup></b>       | <b>Machine with consumables</b>    | 10.98 Kg                                         |
| <b>Noise Level<sup>2</sup></b>  | <b>Ready mode</b>                  | 26 dB (A)                                        |
|                                 | <b>Print mode</b>                  | Less than 50 dB (A)                              |
|                                 | <b>Copy mode</b>                   | Less than 53 dB (A)                              |
|                                 | <b>Scan mode (scanner glass)</b>   | 52 dB (A)                                        |
|                                 | <b>Scan mode (document feeder)</b> | 53 dB (A)                                        |
| <b>Temperature</b>              | <b>Operation</b>                   | 10 to 32°C (50 to 89.6°F)                        |
|                                 | <b>Storage (packed)</b>            | -20 to 40°C (-4 to 104°F)                        |
| <b>Humidity</b>                 | <b>Operation</b>                   | 20 to 80% RH                                     |
|                                 | <b>Storage (packed)</b>            | 10 to 90% RH                                     |
| <b>Power rating<sup>3</sup></b> | <b>110 volt models</b>             | AC 110 - 127 V                                   |
|                                 | <b>220 volt models</b>             | AC 220 - 240 V                                   |

# Specifications

| Items                 |                        | Description                           |
|-----------------------|------------------------|---------------------------------------|
| Power consumption     | Average operating mode | Less than 400W                        |
|                       | Ready mode             | Less than 55 W                        |
|                       | Power save mode        | Less than 3.0 W                       |
|                       | Power off mode         | Less than 0.2 W (0.1 W <sup>4</sup> ) |
| Wireless <sup>5</sup> | Module                 | T77H262                               |

1. Dimensions and weight are measured without a handset.
2. Sound Pressure Level, ISO 7779. Configuration tested: basic machine installation, A4 paper, simplex printing.
3. See the rating label on the machine for the correct voltage (V), frequency (hertz) and of current (A) for your machine.
4. For the machine that has a power switch.
5. Wireless models only (see "Features by models" on page 5).

# Specifications

## Print media specifications

| Type        | Size             | Dimensions                         | Print media weight/Capacity <sup>1</sup>                                                            |                                                                                                  |
|-------------|------------------|------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
|             |                  |                                    | Tray                                                                                                | Manual feeder <sup>2</sup>                                                                       |
| Plain paper | <b>Letter</b>    | 216 x 279 mm (8.5 x 11 inches)     | 60 to 163 g/m <sup>2</sup> (16 to 43 lbs bond)<br>• 250 sheets of 80 g/m <sup>2</sup> (21 lbs bond) | 60 to 220 g/m <sup>2</sup> (16 to 59 lbs bond)<br>• 1 sheet of 80 g/m <sup>2</sup> (21 lbs bond) |
|             | <b>Legal</b>     | 216 x 356 mm (8.5 x 14 inches)     |                                                                                                     |                                                                                                  |
|             | <b>US Folio</b>  | 216 x 330 mm (8.5 x 13 inches)     |                                                                                                     |                                                                                                  |
|             | <b>A4</b>        | 210 x 297 mm (8.27 x 11.69 inches) |                                                                                                     |                                                                                                  |
|             | <b>Oficio</b>    | 216 x 343 mm (8.5 x 13.5 inches)   |                                                                                                     |                                                                                                  |
|             | <b>JIS B5</b>    | 182 x 257 mm (7.17 x 10.12 inches) |                                                                                                     |                                                                                                  |
|             | <b>ISO B5</b>    | 176 x 250 mm (6.93 x 9.84 inches)  |                                                                                                     |                                                                                                  |
|             | <b>Executive</b> | 184 x 267 mm (7.25 x 10.5 inches)  |                                                                                                     |                                                                                                  |
|             | <b>A5</b>        | 148 x 210 mm (5.83 x 8.27 inches)  |                                                                                                     |                                                                                                  |
|             | <b>A6</b>        | 105 x 148 mm (4.13 x 5.83 inches)  |                                                                                                     |                                                                                                  |

# Specifications

| Type                | Size                                                       | Dimensions                        | Print media weight/Capacity <sup>1</sup>       |                                                 |
|---------------------|------------------------------------------------------------|-----------------------------------|------------------------------------------------|-------------------------------------------------|
|                     |                                                            |                                   | Tray                                           | Manual feeder <sup>2</sup>                      |
| Envelope            | Envelope Monarch                                           | 98 x 191 mm (3.87 x 7.5 inches)   | Not available in tray                          | 60 to 220 g/m <sup>2</sup> (16 to 59 lbs bond)  |
|                     | 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) |                                                |                                                 |
|                     | Envelope C6                                                | 114 x 162 mm (4.49 x 6.38 inches) |                                                |                                                 |
| Thick paper         | Refer to the Plain paper section                           | Refer to the Plain paper section  | 91 to 105 g/m <sup>2</sup> (24 to 28 lbs bond) | 91 to 105 g/m <sup>2</sup> (24 to 28 lbs bond)  |
| Thicker paper       | Refer to the Plain paper section                           | Refer to the Plain paper section  | Not available in tray                          | 164 to 220 g/m <sup>2</sup> (44 to 59 lbs bond) |
| Thin paper          | Refer to the Plain paper section                           | Refer to the Plain paper section  | 60 to 70 g/m <sup>2</sup> (16 to 19 lbs bond)  | 60 to 70 g/m <sup>2</sup> (16 to 19 lbs bond)   |
| Transparency        | Letter, A4                                                 | Refer to the Plain paper section  | Not available in tray                          | 138 to 146 g/m <sup>2</sup> (37 to 39 lbs bond) |
| Labels <sup>3</sup> | Letter, Legal, US Folio, A4, JIS B5, ISO B5, Executive, A5 | Refer to the Plain paper section  | Not available in tray                          | 120 to 150 g/m <sup>2</sup> (32 to 40 lbs bond) |

# Specifications

| Type                  | Size                                                                     | Dimensions                                                                                                                                                   | Print media weight/Capacity <sup>1</sup>                       |                                                 |
|-----------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------|
|                       |                                                                          |                                                                                                                                                              | Tray                                                           | Manual feeder <sup>2</sup>                      |
| Card stock            | Letter, Legal, US Folio, A4, JIS B5, ISO B5, Executive, A5, Postcard 4x6 | Refer to the Plain paper section                                                                                                                             | 121 to 163 g/m <sup>2</sup> (32 to 43 lbs bond)                | 121 to 163 g/m <sup>2</sup> (32 to 43 lbs bond) |
| Bond paper            | Refer to the Plain paper section                                         | Refer to the Plain paper section                                                                                                                             | 106 to 120 g/m <sup>2</sup> (28 to 32 lbs bond)                | 106 to 120 g/m <sup>2</sup> (28 to 32 lbs bond) |
| Minimum size (custom) |                                                                          | <ul style="list-style-type: none"> <li><b>Manual feeder:</b> 76 x 127 mm (3 x 5 inches)</li> <li><b>Tray:</b> 105 x 148.5 mm (4.13 x 5.85 inches)</li> </ul> | 60 to 163 g/m <sup>2</sup> (16 to 43 lbs bond) <sup>4, 5</sup> |                                                 |
| 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. 1 sheet for manual feeder.

3. The smoothness of the labels used in this machine is 100 to 250 (sheffield). This means the numeric level of smoothness.

4. The paper types available in the manual feeder: Plan, Thick, Thicker, Thin, Cotton, Colored, Pre-printed, Recycled, Envelope, Transparency, Labels, Cardstock, Bond, Archive

5. The paper types available in tray: Plan, Thick, Thin, Recycled, Cardstock, Bond, Archive

# Specifications

## System requirements

### Microsoft® Windows®

| Operating system               | Requirement (recommended)                                                                                                                                |                 |                 |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|
|                                | CPU                                                                                                                                                      | RAM             | free HDD space  |
| <b>Windows® 2000</b>           | Intel® Pentium® II 400 MHz (Pentium III 933 MHz)                                                                                                         | 64 MB (128 MB)  | 600 MB          |
| <b>Windows® XP</b>             | Intel® Pentium® III 933 MHz (Pentium IV 1 GHz)                                                                                                           | 128 MB (256 MB) | 1.5 GB          |
| <b>Windows Server® 2003</b>    | Intel® Pentium® III 933 MHz (Pentium IV 1 GHz)                                                                                                           | 128 MB (512 MB) | 1.25 GB to 2 GB |
| <b>Windows Server® 2008</b>    | Intel® Pentium® IV 1 GHz (Pentium IV 2 GHz)                                                                                                              | 512 MB (2 GB)   | 10 GB           |
| <b>Windows Vista®</b>          | Intel® Pentium® IV 3 GHz                                                                                                                                 | 512 MB (1 GB)   | 15 GB           |
| <b>Windows® 7</b>              | Intel® Pentium® IV 1 GHz 32-bit or 64-bit processor or higher                                                                                            | 1 GB (2 GB)     | 16 GB           |
|                                | <ul style="list-style-type: none"><li>• Support for DirectX® 9 graphics with 128 MB memory (to enable the Aero theme).</li><li>• DVD-R/W Drive</li></ul> |                 |                 |
| <b>Windows Server® 2008 R2</b> | 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 |
| <b>Mac OS X 10.4</b> | <ul style="list-style-type: none"><li>• Intel® processors</li><li>• PowerPC G4/G5</li></ul>                    | <ul style="list-style-type: none"><li>• 128 MB for a powerPC based Mac (512 MB)</li><li>• 512 MB for an Intel-based Mac (1 GB)</li></ul> | 1 GB           |
| <b>Mac OS X 10.5</b> | <ul style="list-style-type: none"><li>• Intel® processors</li><li>• 867 MHz or faster Power PC G4/G5</li></ul> | 512 MB (1 GB)                                                                                                                            | 1 GB           |
| <b>Mac OS X 10.6</b> | <ul style="list-style-type: none"><li>• Intel® processors</li></ul>                                            | 1 GB (2 GB)                                                                                                                              | 1 GB           |
| <b>Mac OS X 10.7</b> | <ul style="list-style-type: none"><li>• Intel® processors</li></ul>                                            | 2 GB                                                                                                                                     | 4 GB           |

# Specifications

## Linux

| Items                   | Requirements                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Operating system</b> | Redhat® Enterprise Linux WS 4, 5 (32/64 bit)<br>Fedora 5 ~ 13 (32/64 bit)<br>SuSE Linux 10.1 (32 bit)<br>OpenSuSE® 10.2, 10.3, 11.0, 11.1, 11.2 (32/64 bit)<br>Mandriva 2007, 2008, 2009, 2009.1, 2010 (32/64 bit)<br>Ubuntu 6.06, 6.10, 7.04, 7.10, 8.04, 8.10, 9.04, 9.10, 10.04 (32/64 bit)<br>SuSE Linux Enterprise Desktop 10, 11 (32/64 bit)<br>Debian 4.0, 5.0 (32/64 bit) |
| <b>CPU</b>              | Pentium IV 2.4GHz (Intel Core™2)                                                                                                                                                                                                                                                                                                                                                  |
| <b>RAM</b>              | 512 MB (1 GB)                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Free HDD space</b>   | 1 GB (2 GB)                                                                                                                                                                                                                                                                                                                                                                       |

## Unix

| Items                   | Requirements                                                                                                          |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Operating system</b> | Sun Solaris 9, 10 (x86, SPARC)<br>HP-UX 11.0, 11i v1, 11i v2, 11i v3 (PA-RISC, Itanium)<br>IBM AIX 5.1, 5.2, 5.3, 5.4 |

# Specifications

| Items          | Requirements |
|----------------|--------------|
| Free HDD space | Up to 100 MB |

## Network environment



Network and wireless models only (see "Features by models" on page 5).

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                                                                                                                                                                             |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Network interface</b>        | <ul style="list-style-type: none"><li>• Ethernet 10/100 Base-TX Wired Lan</li><li>• 802.11b/g/n Wireless LAN (SCX-472x Series only)</li></ul>                                              |
| <b>Network operating system</b> | <ul style="list-style-type: none"><li>• Windows 2000/Server 2003 /Server 2008/XP/Vista/7/Server 2008 R2</li><li>• Various Linux OS</li><li>• Mac OS X 10.4 ~ 10.7</li><li>• Unix</li></ul> |

# Specifications

| Items                    | Specifications                                                                                                                                                                                                                                                                         |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Network protocols</b> | <ul style="list-style-type: none"><li>• TCP/IPv4</li><li>• DHCP, BOOTP</li><li>• DNS, WINS, Bonjour, SLP, UPnP</li><li>• Standard TCP/IP Printing (RAW), LPR, IPP, WSD</li><li>• SNMPv 1/2/3, HTTP, IPSec</li><li>• TCP/IPv6 (DHCP, DNS, RAW, LPR, SNMPv 1/2/3, HTTP, IPSec)</li></ul> |
| <b>Wireless security</b> | <ul style="list-style-type: none"><li>• Authentication: Open System, Shared Key, WPA Personal, WPA2 Personal (PSK)</li><li>• Encryption: WEP64, WEP128, TKIP, AES</li></ul>                                                                                                            |

# 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

## Mercury Safety



Contains Mercury, Dispose According to Local, State or Federal Laws.(U.S.A. only)

## 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。

# 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 s 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](http://www.samsung.com/recyclingdirect) Or call, (877) 278 - 0799

## Correct disposal of batteries in this product

**(Applicable in the European Union and other European countries with separate battery return systems.)**



This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment. To protect natural resources and to promote material reuse, please separate batteries from other s of waste and recycle them through your local, free battery return system.

# Regulatory information

## Taiwan only

### 警告

本電池如果更換不正確會有爆炸的危險  
請依製造商說明書處理用過之電池

## 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.

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.

# Regulatory information

## 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 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.

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.

# Regulatory information

## FCC Statement for Wireless LAN use:



While installing and operating this transmitter and antenna combination the radio frequency exposure limit of 1m W/cm<sup>2</sup> 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

AB57



Минсвязи России



## Germany only

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

## Turkey only

### • RoHS

EEE Yönetmeliğine Uygundur.  
This EEE is compliant with RoHS.

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

## Canada only

This product meets the applicable Industry Canada technical specifications. / Le présent matériel est conforme aux spécifications techniques applicables d'Industrie Canada.

# Regulatory information

The Ringer Equivalence Number (REN) is an indication of the maximum number of devices allowed to be connected to a telephone interface. The termination of an interface may consist of any combination of devices subject only to the requirement that the sum of the RENs of all the devices not exceed five. / L'indice d'équivalence de la sonnerie (IES) sert à indiquer le nombre maximal de terminaux qui peuvent être raccordés à une interface téléphonique. La terminaison d'une interface peut consister en une combinaison quelconque de dispositifs, à la seule condition que la somme d'indices d'équivalence de la sonnerie de tous les dispositifs n'excede pas cinq.

## Fax Branding

The Telephone Consumer Protection Act of 1991 makes it unlawful for any person to use a computer or other electronic device to send any message via a telephone facsimile machine unless such message clearly contains in a margin at the top or bottom of each transmitted page or on the first page of the transmission the following information:

- 1 the date and time of transmission
- 2 identification of either business, business entity or individual sending the message; and
- 3 telephone number of either the sending machine, business, business entity or individual.

The Telephone Company may make changes in its communications facilities, equipment operations or procedures where such action is reasonably required in the operation of its business and is not inconsistent with the rules and regulations in FCC Part 68. If such changes can be reasonably expected to render any customer terminal equipment incompatible with telephone company communications facilities, or require modification or alteration of such terminal equipment, or otherwise materially affect its use or performance, the customer shall be given adequate notice in writing, to allow the customer an opportunity to maintain uninterrupted service

## Ringer Equivalence Number

The Ringer Equivalence Number and FCC Registration Number for this machine may be found on the label located on the bottom or rear of the machine. In some instances you may need to provide these numbers to the telephone company.

The Ringer Equivalence Number (REN) is a measure of the electrical load placed on the telephone line, and is useful for determining whether you have "overloaded" the line. Installing several s of equipment on the same telephone line may result in problems making and receiving telephone calls, especially ringing when your line is called. The sum of all Ringer Equivalence Numbers of the equipment on your telephone line should be less than five in order to assure proper service from the telephone company. In some cases, a sum of five may not be usable on your line. If any of your telephone equipment is not operating properly, you should immediately remove it from your telephone line, as it may cause harm to the telephone network.

# Regulatory information

The equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the rear of this equipment is a label that contains, among other information, a product identifier in the format US:AAAEQ##TXXXX. If requested, this number must be provided to the telephone company.



FCC Regulations state that changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment. In the event that terminal equipment causes harm to the telephone network, the telephone company should notify the customer that service may be stopped. However, where prior notice is impractical, the company may temporarily cease service, providing that they:

- a** promptly notify the customer.
- b** give the customer an opportunity to correct the equipment problem.
- c** inform the customer of the right to bring a complaint to the Federal Communication Commission pursuant to procedures set out in FCC Rules and Regulations Subpart E of Part 68.

## You should also know that:

- Your machine is not designed to be connected to a digital PBX system.
- If you intend to use a computer modem or fax modem on the same phone line as your machine, you may experience transmission and reception problems with all the equipment. It is recommended that no other equipment, except for a regular telephone, share the line with your machine.

- If your area experiences a high incidence of lightning or power surges, we recommend that you install surge protectors for both the power and the telephone lines. Surge protectors can be purchased from your dealer or telephone and electronic specialty stores.
- When programming emergency numbers and/or making test calls to emergency numbers, use a non-emergency number to advise the emergency service dispatcher of your intentions. The dispatcher will give you further instructions on how to actually test the emergency number.
- This machine may not be used on coin service or party lines.
- This machine provides magnetic coupling to hearing aids.

You may safely connect this equipment to the telephone network by means of a standard modular jack, USOC RJ-11C.

## 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.

# Regulatory information

The 13 amp plug is the most widely used 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.

## Declaration of conformity (European countries)

### Approvals and Certifications

Hereby, Samsung Electronics, declares that this [SCX-470xND 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 [SCX-472xFW Series, SCX-472xHW Series, SCX-472xFD Series, SCX-472xHD Series, SCX-472xHN Series, SCX-472xFN 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](http://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.

# Regulatory information

**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.

## 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 your 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

# Regulatory information

No limitations at this time

## Israel only

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

## Regulatory compliance statements

### Wireless guidance

Low power, Radio LAN 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.

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.

# Regulatory information



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.

# 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<br>(Pb) | 汞<br>(Hg) | 镉<br>(Cd) | 六价铬<br>(Cr <sup>6+</sup> ) | 多溴联苯<br>(PBB) | 多溴联苯醚<br>(PBDE) |
| 塑料                  | ○         | ○         | ○         | ○                          | ○             | ○               |
| 金属 ( 机箱 )           | X         | ○         | ○         | ○                          | ○             | ○               |
| 印刷电路部件 (PCA)        | X         | ○         | ○         | ○                          | ○             | ○               |
| 电缆 / 连接器            | X         | ○         | ○         | ○                          | ○             | ○               |
| 电源设备                | X         | ○         | ○         | ○                          | ○             | ○               |
| 电源线                 | X         | ○         | ○         | ○                          | ○             | ○               |
| 机械部件                | X         | ○         | ○         | ○                          | ○             | ○               |
| 卡盒部件                | X         | ○         | ○         | ○                          | ○             | ○               |
| 定影部件                | X         | ○         | ○         | ○                          | ○             | ○               |
| 扫描仪部件 - CCD ( 如果有 ) | X         | X         | ○         | ○                          | ○             | ○               |
| 扫描仪部件 - 其它 ( 如果有 )  | X         | ○         | ○         | ○                          | ○             | ○               |
| 印刷电路板部件 (PBA)       | X         | ○         | ○         | ○                          | ○             | ○               |
| 墨粉                  | ○         | ○         | ○         | ○                          | ○             | ○               |
| 滚筒                  | ○         | ○         | ○         | ○                          | ○             | ○               |

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×：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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Refer to the '**LICENSE.txt**' file in the provided CD-ROM for the open source license information.

**REV. 2.03**

# User's Guide

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SCX-472x Series  
SCX-470x 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 network" on page 137).

- **Installation for Macintosh** 127
- **Reinstallation for Macintosh** 128
- **Installation for Linux** 129
- **Reinstallation for Linux** 131



- If you are a Windows OS user, refer to the Basic Guide for installing the machine's driver (see "Installing the driver locally" on page 27).
- Only use a USB cable no longer than 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 **Restart**.
- 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**.



To install the fax driver:

- a Open the **Applications** folder > **Samsung** > **Fax Queue Creator**.
- b Your machine appears on the **Printer List**
- c Select machine to use and click **Create** button

# 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.

- 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.

- **Useful network programs** 133
- **Wired network setup** 134
- **Installing driver over the network** 137
- **IPv6 configuration** 145
- **Wireless network setup** 148



Supported optional devices and features may differ according to your model (see "Features by models" on page 5).

# 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 5).

## 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 252).

- 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 wired network setup

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 134.
- See "IPv4 configuration using SetIP (Macintosh)" on page 135.
- See "IPv4 configuration using SetIP (Linux)" on page 136.



- The machine that does not support the network interface, it will not be able to use this feature (see "Rear view" on page 22).
- TCP/IPv6 is not supported by this program.

# Wired network setup

## 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)**.
- **The machine has the touch screen:** Press **Setup** from the **Main** screen > **Network > Next > Network Configuration**.
- **The machine does not have the display screen:** Press the  (**Cancel** or **Stop/Clear**) button for more than 4~5 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: 192.0.0.192

## Setting IP address



- The machine that does not support the network interface, it will not be able to use this feature (see "Rear view" on page 22).
- 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.

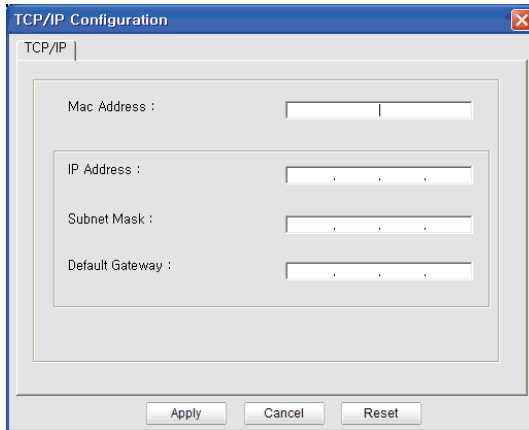
## IPv4 configuration using SetIP (Windows)

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

- 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**.

# Wired network setup

- Click the  icon (third from left) in the SetIP window to open the TCP/IP configuration window.
- 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 134) and enter it without the colons. For example, 00:15:99:29:51:A8 becomes 0015992951A8.

- 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 vary from your model.

- Connect your machine to the network with a network cable.
- Insert the Installation CD-ROM, and open the disk window, select **MAC\_Installer > MAC\_Printer > SetIP > SetIPApplet.html**.
- 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.
- Click the  icon (third from left) in the SetIP window to open the TCP/IP configuration window.
- 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.

# Wired network setup



Find the machine's MAC address from the **Network Configuration Report** (see "Printing a network configuration report" on page 134) 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**.



Find the machine's MAC address from the **Network Configuration Report** (see "Printing a network configuration report" on page 134) 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**.

## IPv4 configuration 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.

# Installing driver over the network

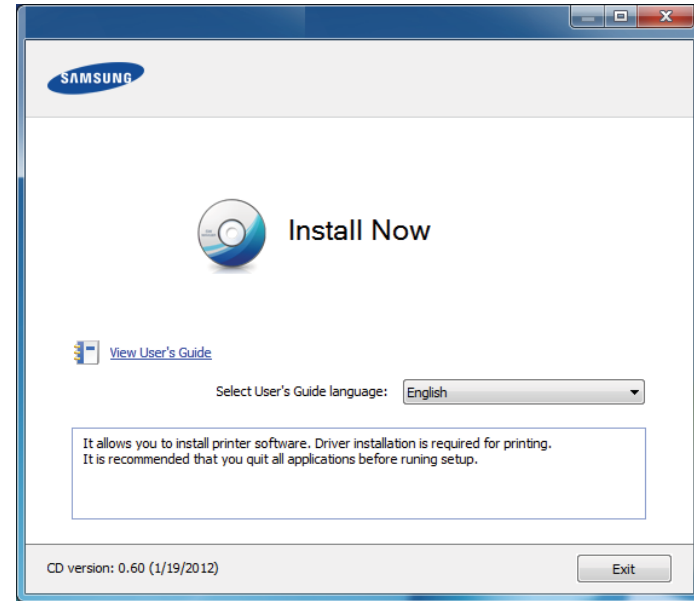


- Some features and optional goods may not be available depending on model or country (see "Features by models" on page 5).
- The machine that does not support the network interface, it will not be able to use this feature (see "Rear view" on page 22).

## 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 134).
- 2 Insert the supplied software CD into your CD-ROM drive.

- 3 Select **Install Now**.



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



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

- 5 In the "Connect Printer" screen, select the "Network Connection" option and click Next.
- 6 The searched machines will be shown on the screen. Select the one you wish to use and click **OK**.

# Installing driver over the network

**7** 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 your 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. |

| Command- line                         | Definition                                                                                                                                                                                                                                 | Description                                                                                                                                                                                                                                                                                            |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| /p"<port name>"<br>or/P"<port name>"  |  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.<br><br>For example: <ul style="list-style-type: none"><li>• /p"xxx.xxx.xxx.xxx" in where, "xxx.xxx.xxx.xxx" means IP address for network printer. /p"USB001", /P"LPT1:", /p"hostname"</li></ul> |
| /a"<dest_path>" or/<br>A"<dest_path>" |  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.                                                                                                                                                                              |

# Installing driver over the network

| Command- line                                                           | Definition                                                                                                                                                                                                                   | Description                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <code>/i"&lt;script filename&gt;" or /l"&lt;script filename&gt;"</code> | <p>Specifies customized install script file for custom operation.</p> <div> The script filename should be a fully qualified filename.</div> | <p>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.</p> <div> This customized script file is prior than default installer setting in setup package but not prior than command-line parameters.</div> |
| <code>/n"&lt;Printer name&gt;" or /N"&lt;Printer name&gt;"</code>       | <p>Specifies printer name. Printer instance shall be created as specified printer name.</p>                                                                                                                                  | <p>With this parameter, you can add printer instances as your wishes.</p>                                                                                                                                                                                                                                                                                                                                                     |

| Command- line                                                       | Definition                                                                                       | Description                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <code>/nd or/ND</code>                                              | <p>Commands not to set the installed driver as a default machine driver.</p>                     | <p>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.</p> |
| <code>/x or/X</code>                                                | <p>Uses existing machine driver files to create printer instance if it is already installed.</p> | <p>This command provides a way to install a printer instance that uses installed printer driver files without installing an additional driver.</p>                                                                                                                                                                                 |
| <code>/up"&lt;printer name&gt;" or /UP"&lt;printer name&gt;"</code> | <p>Removes only specified printer instance and not the driver files.</p>                         | <p>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.</p>                                                                                                                                   |

# 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 <b>Printers and Faxes</b> folder after installation.                                          | This command will open <b>Printers and Faxes</b> 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 135. If you want to set the wireless setting, refer to "Setup using Macintosh" on page 158.

# Installing driver over the network

- 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 **Restart**.

- 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 “+” icon. A display window will pop up.

- 16** For Mac OS X 10.4, click **IP Printer**.
- For Mac OS X 10.5-10.7, click **IP**.

- 17** Select **HP Jetdirect - Socket** in **Protocol**.



When printing a document containing many pages, printing performance may be enhanced by choosing **Socket** for **Printer Type** option.

- 18** Enter the machine's IP address in the **Address** input field.

- 19** Enter the queue name in the **Queue** input field. If you cannot determine the queue name for your machine server, try using the default queue first.

- 20** 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, choose **Select Printer Software** and your machine name in **Print Using**.

- 21** Click **Add**.
- Your machine appears in the **Printer List**, and is set as the default machine.



To install the fax driver:

- Open the **Applications** folder > **Samsung** > **Fax Queue Creator**.
- Your machine appears on the **Printer List**.
- Select machine to use and Click **Create** button.

## 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 driver over the network



To install other software:

- See "Installing the Smart Panel" on page 129.
- See "Installing the Printer Settings Utility" on page 130.

## Install the Linux driver and add network printer

- 1 Make sure that the machine is connected to your network and powered on. Also, your machine's IP address should have been set.
- 2 Download the Unified Linux Driver package from the Samsung website.
- 3 Extract the UnifiedLinuxDriver.tar.gz file and open the new directory.
- 4 Double-click the **Linux** folder > **install.sh** icon.
- 5 The Samsung installer window opens. Click **Continue**.
- 6 The add printer wizard window opens. Click **Next**.
- 7 Select network printer and click **Search** button.
- 8 The machine's IP address and model name appears on list field.
- 9 Select your machine and click **Next**.
- 10 Input the printer description and **Next**.

11 After the machine is added, click **Finish**.

12 When installation is done, click **Finish**.

## Add a network printer

- 1 Double-click the **Unified Driver Configurator**.
- 2 Click **Add Printer**.
- 3 The **Add printer wizard** window opens. Click **Next**.
- 4 Select **Network printer** and click the **Search** button.
- 5 The printer's IP address and model name appears on list field.
- 6 Select your machine and click **Next**.
- 7 Enter the printer description and click **Next**.
- 8 After the machine is added, click **Finish**.

# Installing driver over the network

## UNIX



- Make sure your machine supports the UNIX operating system before installing the UNIX printer driver (see "Operating System" on page 5).
- The commands are marked with "", when typing the commands, do not type "".
- Some features and optional goods may not be available depending on model or country (see "Operating System" on page 5).

To use the UNIX printer driver, you have to install the UNIX printer driver package first, then setup the printer. You can download the UNIX printer driver package from the Samsung website ((<http://www.samsung.com> > find your product > Support or Downloads).

## Installing the UNIX printer driver package

The installation procedure is common for all variants of UNIX OS mentioned.

- 1 From the Samsung website, download and unpack the UNIX Printer Driver package to your computer.
- 2 Acquire root privileges.  
"su -"
- 3 Copy the appropriate driver archive to the target UNIX computer.



See administration guide of your UNIX OS for details.

- 4 Unpack the UNIX printer driver package.  
For example, on IBM AIX, use the following commands.  
"gzip -d < enter the package name | tar xf -"
- 5 Go to the unpacked directory.
- 6 Run the install script.  
"./install"  
**install** is the installer script file which is used to install or uninstall the UNIX Printer Driver package.  
Use "**chmod 755 install**" command to give the permission to the installer script.
- 7 Execute the "**./install -c**" command to verify installation results.
- 8 Run "**installprinter**" from the command line. This will bring up the **Add Printer Wizard** window. Setup the printer in this window referring to the following procedures.

# Installing driver over the network



On some UNIX OS, for example on Solaris 10, just added printers may not be enabled and/or may not accept jobs. In this case run the following two commands on the root terminal:

```
"accept <printer_name>"
```

```
"enable <printer_name>"
```

## Uninstalling the printer driver package



The utility should be used to delete the printer installed in the system.

- a** Run "**uninstallprinter**" command from the terminal.  
It will open the **Uninstall Printer Wizard**.  
The installed printers are listed in the drop-down list.
- b** Select the printer to be deleted.
- c** Click **Delete** to delete the printer from the system.
- d** Execute the "**./install -d**" command to uninstall the whole package.
- e** To verify removal results, execute the "**./install -c**" command.

To re-install it, use the command "**./install**" to reinstall the binaries.

## Setting up the printer

To add the printer to your UNIX system, run 'installprinter' from the command line. This will bring up the Add Printer Wizard window. Setup the printer in this window according to the following steps:

- 1** Type the name of the printer.
- 2** Select the appropriate printer model from the model list.
- 3** Enter any description corresponding to the type of the printer in the **Type** field. This is optional.
- 4** Specify any printer description in the **Description** field. This is optional.
- 5** Specify the printer location in the **Location** field.
- 6** Type the IP address or DNS name of the printer in the **Device** textbox for network-connected printers. On IBM AIX with **jetdirect Queue type**, only the DNS name is possible-numeric IP address is not allowed.
- 7** **Queue type** shows the connection as **lpd** or **jetdirect** in the corresponding list box. Additionally, **usb** type is available on Sun Solaris OS.
- 8** Select **Copies** to set the number of copies.
- 9** Check the **Collate** option to receive copies already sorted.
- 10** Check the **Reverse Order** option to receive copies in the reverse order.
- 11** Check the **Make Default** option to set this printer as default.
- 12** Click **OK** to add the printer.

# IPv6 configuration



**IPv6** is supported properly only in Windows Vista or higher.



- Some features and optional goods may not be available depending on model or country (see "Features by models" on page 5 or "Menu overview" on page 30).
- If the IPv6 network seems to not be working, set all the network setting to the factory defaults and try again using **Clear Setting**.

In the IPv6 network environment, follow the next procedure to use the IPv6 address.

## From the control panel

- 1 Connect your machine to the network with a network cable.
- 2 Turn on the machine.
- 3 Print a **Network Configuration Report** that will check IPv6 addresses (see "Printing a network configuration report" on page 134).
- 4 Select **Start > Control Panel > Printers and Faxes**.
- 5 Click **Add a printer** in the left pane of the **Printers and Faxes** windows.
- 6 Click **Add a local printer** in the **Add Printer** windows.

7

The **Add Printer Wizard** window appears. Follow the instructions in the window.



If the machine does not work in the network environment, activate IPv6. Refer to the next section followed by.

## Activating IPv6

1

Press the  (**Menu**) button on the control panel.

2

Press **Network > TCP/IP (IPv6) > IPv6 Activate**.

3

Select **On** and press **OK**.

4

Turn the machine off and turn it on again.

5

Reinstall your printer driver.

# IPv6 configuration

## Setting IPv6 addresses

The machine supports the following IPv6 addresses for network printing and managements.

- **Link-local Address:** Self-configured local IPv6 address (Address starts with FE80).
- **Stateless Address:** Automatically configured IPv6 address by a network router.
- **Stateful Address:** IPv6 address configured by a DHCPv6 server.
- **Manual Address:** Manually configured IPv6 address by a user.

## DHCPv6 address configuration (Stateful)

If you have a DHCPv6 server on your network, you can set one of the following options for default dynamic host configuration.

- 1 Press the  (**Menu**) button on the control panel.
- 2 Press **Network > TCP/IP (IPv6) > DHCPv6 Config**.
- 3 Press **OK** to select the required value you want.
  - **DHCPv6 Addr.:** Always use DHCPv6 regardless of router request.
  - **DHCPv6 Off:** Never use DHCPv6 regardless of router request.
  - **Router:** Use DHCPv6 only when requested by a router.

## From the SyncThru™ Web Service



For models that do not have the display screen on the control panel, you need to access **SyncThru™ Web Service** first using the IPv4 address and follow the below procedure to use IPv6.

- 1 Access a web browser, such as Internet Explorer, from Windows. Enter the machine IP address (http://xxx.xxx.xxx.xxx) in the address field and press the Enter key or click **Go**.
- 2 If it's your first time logging into **SyncThru™ Web Service** you need to log-in as an administrator. Type in the below default ID and password.
  - **ID:** admin
  - **Password:** sec00000
- 3 When the **SyncThru™ Web Service** window opens, move the mouse cursor over the **Settings** of the top menu bar and then click **Network Settings**.
- 4 Click **TCP/IPv6** on the left pane of the website.
- 5 Check the **IPv6 Protocol** check box to activate IPv6.
- 6 Check the **Manual Address** check box. Then, the **Address/Prefix** text box is activated.

# IPv6 configuration

- 7 Enter the rest of the address (e.g.,:3FFE:10:88:194::AAAA. "A" is the hexadecimal 0 through 9, A through F).
- 8 Choose the DHCPv6 configuration.
- 9 Click the **Apply** button.

## Using SyncThru™ Web Service

---

- 1 Start a web browser, such as Internet Explorer, that supports IPv6 addressing as a URL.
- 2 Select one of the IPv6 addresses (**Link-local Address, Stateless Address, Stateful Address, Manual Address**) from **Network Configuration Report** (see "Printing a network configuration report" on page 134).
- 3 Enter the IPv6 addresses (e.g.,: http://[FE80::215:99FF:FE66:7701]).



Address must be enclosed in '[' ]' brackets.

# Wireless network setup

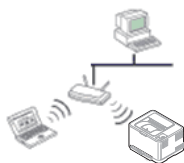


- Make sure your machine supports wireless networking. Wireless networking may not be available depending on the model (see "Features by models" on page 5).
- If the IPv6 network seems to not be working, set all the network settings to the factory defaults and try again using **Clear Setting**.

## Getting started

### Understanding your network type

Typically, you can only have one connection between your computer and the machine at a time.



**Infrastructure mode**  
This is an environment generally used for homes and SOHOs (Small Office/ Home Office). This mode uses an access point to communicate with the wireless machine.



**Ad hoc mode**  
This mode does not use an access point. The wireless computer and wireless machine communicate directly.

### Wireless network name and Network Password

Wireless networks require higher security, so when an access point is first set up, a network name (SSID), the type of security used, and a Network Password are created for the network. Ask your network administrator about this information before proceeding with the machine installation.

# Wireless network setup

## Introducing wireless set up methods

You can set wireless settings either from the machine or the computer. Choose the setting method from the below table.



Some wireless network installation types may not be available depending on the model or country.

| Set up method        | Connecting method                | Description & Reference                                       |   |
|----------------------|----------------------------------|---------------------------------------------------------------|---|
| With Access Point    | From the computer                | Windows User, see "Access point via USB cable" on page 154.   | A |
|                      |                                  | Macintosh User, see "Access point via USB cable" on page 158. | B |
|                      |                                  | See "Using a network cable" on page 161.                      | C |
|                      | From the machine's control panel | See "Using the WPS button" on page 150.                       | D |
|                      |                                  | See "Using the menu button" on page 153.                      | E |
| Without Access Point | From the computer                | Windows User, see "Ad hoc via USB cable" on page 156.         | F |
|                      |                                  | Macintosh User, see "Ad hoc via USB cable" on page 159.       | G |
|                      | Wi-Fi Direct setup               | See "Turning the Wi-Fi network on/off" on page 164.           | H |



If problems occur during wireless set up or driver installation, refer to the troubleshooting chapter (see "Troubleshooting" on page 167).

# Wireless network setup

## Using the WPS button

If your machine and an access point (or wireless router) support Wi-Fi Protected Setup™ (WPS), you can easily configure the wireless network settings by pressing the  (WPS) button on the control panel without a computer.



- If you want to use the wireless network using the infrastructure mode, make sure that the network cable is disconnected from the machine. Using the **WPS (PBC)** button or entering the PIN from the computer to connect to the access point (or wireless router) varies depending on the access point (or wireless router) you are using. Refer to the user's guide of the access point (or wireless router) you are using.
- When using the WPS button to set the wireless network, security settings may change. To prevent this, lock the WPS option for the current wireless security settings. The option name may differ depending on the access point (or wireless router) you are using.

## Items to prepare

- Check if the access point (or wireless router) supports Wi-Fi Protected Setup™ (WPS).
- Check if your machine supports Wi-Fi Protected Setup™ (WPS).
- Networked computer (PIN mode only)

## Choosing your type

There are two methods available to connect your machine to a wireless network using the  (WPS) button on the control panel.

The **Push Button Configuration (PBC)** method allows you to connect your machine to a wireless network by pressing both the  (WPS) button on the control panel of your machine and the WPS (PBC) button on a Wi-Fi Protected Setup™ WPS-enabled access point (or wireless router) respectively.

The **Personal Identification Number (PIN)** method helps you connect your machine to a wireless network by entering the supplied PIN information on a Wi-Fi Protected Setup™ WPS-enabled access point (or wireless router).

Factory default in your machine is **PBC** mode, which is recommended for a typical wireless network environment.



You can change the WPS mode in control panel ( **(Menu)** > **Network** > **Wireless** > **OK** > **WPS Setting**).