Introduction

This manual contains detailed instructions and notes on the operation and use of this machine. For your safety and benefit, read this manual carefully before using the machine. Keep this manual in a handy place for quick reference.

Important

Contents of this manual are subject to change without prior notice. In no event will the company be liable for direct, indirect, special, incidental, or consequential damages as a result of handling or operating the machine.

Two kinds of size notation are employed in this manual. With this machine refer to the metric version.

Notes

Some illustrations in this manual might be slightly different from the machine.

Certain options might not be available in some countries. For details, please contact your local dealer.

Depending on which country you are in, certain units may be optional. For details, please contact your local dealer.

Caution

For good print quality, the supplier recommends that you use genuine toner, maintenance kits and parts from the supplier.

The supplier shall not be responsible for any damage or expense that might result from the use of consumables (toner, maintenance kits and parts) other than genuine consumables from the supplier with your office products.

Power Source

220-240 V, 50/60 Hz, 4.3 A or more

Please be sure to connect the power cable to a power source as above.

Laws and Regulations

Legal Prohibition

Do not copy or print any item for which reproduction is prohibited by law.

Copying or printing the following items is generally prohibited by local law:

bank notes, revenue stamps, bonds, stock certificates, bank drafts, checks, passports, driver's licenses.

The preceding list is meant as a guide only and is not inclusive. We assume no responsibility for its completeness or accuracy. If you have any questions concerning the legality of copying or printing certain items, consult with your legal advisor.

This machine is equipped with a function that prevents making counterfeit bank bills. Due to this function the original images similar to bank bills may not be copied properly.

Laser Safety

This machine is considered class 1 laser device, safe for office / EDP use. The machine contains 6.2 milliwatt, 770 - 795 nanometer wavelength, AlGaAs laser diodes. Safety precautions and interlock mechanisms have been designed to prevent any possible laser beam exposure to the operator.

The following label is attached the part about the toner cartridge inside the printer.



Caution:

Use of controls or adjustments or performance of procedures other than those specified in this manual might result in hazardous radiation exposure.

User Information on Electrical & Electronic Equipment

Users in the EU, Switzerland and Norway

Our Products contain high quality components and are designed to facilitate recycling.

Our products or product packaging are marked with the symbol below.



The symbol indicates that the product must not be treated as municipal waste. It must be disposed of separately via the appropriate return and collection systems available. By following these instructions you ensure that this product is treated correctly and help to reduce potential impacts on the environment and human health, which could otherwise result from inappropriate handling. Recycling of products helps to conserve natural resources and protect the environment.

For more detailed information on collection and recycling systems for this product, please contact the shop where you purchased it, your local dealer or sales/service representatives.

All Other Users

If you wish to discard this product, please contact your local authorities, the shop where you bought this product, your local dealer or sales/service representatives.

Note for the Battery and/or Accumulator Symbol (For EU countries only)



In accordance with the Battery Directive 2006/66/EC Article 20 Information for end-users Annex II, the above symbol is printed on batteries and accumulators.

This symbol means that in the European Union, used batteries and accumulators should be disposed of separately from your household waste.

In the EU, there are separate collection systems for not only used electrical and electronic products but also batteries and accumulators.

Please dispose of them correctly at your local community waste collection/recycling centre.

Safety Information

When using your printer, the following safety precautions should always be followed.

In this manual, the following important symbols are used:

A WARNING:

Indicates a potentially hazardous situation which, if instructions are not followed, could result in death or serious injury.

CAUTION:

Indicates a potentially hazardous situation which, if instructions are not followed, may result in minor or moderate injury or damage to property.

Environments where the machine can be used

A WARNING:

• Keep the machine away from flammable liquids, gases, and aerosols. A fire or an electric shock might occur.

A CAUTION:

• Place the machine on an elevated surface that is strong, level, and stable.

- Keep the machine in an area that is within optimum environmental conditions. Operating the machine in an environment that is outside the recommended ranges of humidity and temperature can cause an electrical fire hazard. Keep the area around the socket free of dust. Accumulated dust can become an electrical fire hazard.
- Place no objects on the cover.

🖉 Note

□ To avoid possible build-up of ozone, make sure to locate this machine in a large well ventilated room that has an air turnover of more than 30 m³/hr/person.

Handling Power Cords and Power Plugs

A WARNING:

- Only connect the machine to the power source described in the manual.
- Disconnect the power plug (by pulling the plug, not the cable) if the power cable or plug becomes frayed or otherwise damaged.
- Connect the power cord directly into a wall outlet and never use an extension cord.
- Do not damage, break or make any modifications to the power cord.
 Do not place heavy objects on it. Do not pull it hard nor bend it more than necessary. These actions could cause an electric shock or fire.
- It is dangerous to handle the plug with wet hands. Doing this may result in receiving an electric shock.
- Confirm the wall outlet is near the machine and freely accessible, so that in the event of emergency, it can be unplugged easily.
- Avoid multi-wiring. This actions could cause an electric shock or fire.
- Avoid connecting multiple including this printer to the same power source.
- The supplied power cord is for use with this equipment only. Do not use with other appliances. Doing so may result in fire, electric shock, or injury.

A CAUTION:

 To disconnect the power cord, pull it out by plug. Do not drag the cord itself. Doing so may result in damage to the cord, leading to fire or electric shock.

Handling the Main Machine

A WARNING:

- Turn off the power and disconnect the power plug (by pulling the plug, not the cable) if any of the following occurs:
 - You spill something into the machine.
 - You suspect that your machine needs service or repair.
 - The external housing of your machine has been damaged.

A CAUTION:

- For environmental reasons, do not dispose of the machine or expended supply waste at household waste collection points. Disposal can take place at an authorized dealer.
- Before moving the machine, unplug the power cord from the wall outlet. If the cord is unplugged abruptly, it could become damaged. Damaged plugs or cords can cause an electrical or fire hazard.
- When moving the printer after use, do not take out any of the toners, photo conductor units, nor the waste toner bottle to prevent toner spill inside the machine.
- When moving the machine, hold the inset grips at both sides, and then lift the printer slowly. Lifting it carelessly or dropping it may cause an injury.

∰Important

- □ Rating voltage of the connector for options: Max. DC 24 V.
- □ Voltage must not fluctuate more than 10%.

Handling the Machine's Interior

A WARNING:

- To avoid hazardous electric shock or laser radiation exposure, do not remove any covers or screws other than those specified in this manual.
- Do not take apart or attempt any modifications to this machine. there is a risk of fire, electric shock, explosion or loss of sight. If the machine has laser systems, there is a risk of serious eye damage.

▲ CAUTION:

- The fusing section of this machine might be very hot. Caution should be taken when removing misfed paper.
- When removing misfed paper, do not touch the fusing unit because it could be very hot.
- Do not pull out the paper tray forcefully. If you do, the tray might fall and cause an injury.
- Lifting the paper feed unit carelessly. If you do, the tray might fall and cause an injury.
- Do not touch the inside of the controller board compartment. It may cause a machine malfunction or a burn.
- Wait at least one hour after power off before replacing parts. Not allowing the printer to cool may result in burns.
- Before installing options, the machine should be turned off and unplugged for at least half an hour. Components inside the machine become very hot, and can cause a burn if touched.
- During operation, rollers for transporting the paper revolve. A safety device is being installed so that the machine can be operated safely. But take care not to touch the machine during operation. An injury might occur.
- When loading paper, take care not to trap or injure your fingers.
- The inside of this printer becomes very hot. Do not touch parts labelled "" (indicating a hot surface). Touching these parts will result in burns.

Handling the Machine's Supplies

A WARNING:

- Do not incinerate used toner or toner containers. Toner dust might ignite when exposed to an open flame. Dispose of used toner containers in accordance with local regulations.
- Do not store toner, used toner, or toner containers in a place with an open flame. The toner might ignite and cause burns or a fire.

A CAUTION:

- Keep toner (used or unused) and toner containers out of reach of children.
- If toner or used toner is inhaled, gargle with plenty of water and move into a fresh air environment. Consult a doctor if necessary.
- If toner or used toner gets into your eyes, flush immediately with large amounts of water. Consult a doctor if necessary.
- If toner or used toner is swallowed, dilute by drinking a large amount of water. Consult a doctor if necessary.
- Avoid getting toner on your clothes or skin when removing a paper jam or replacing toner. If your skin comes into contact with toner, wash the affected area thoroughly with soap and water.
- If toner gets on your clothing, wash with cold water. Hot water will set the toner into the fabric and may make removing the stain impossible.
- Do not use aluminum foil, carbon paper, or similar conductive paper to avoid a fire or a machine failure.
- Do not allow paper clips, staples, or other small metallic objects to fall inside the machine.
- Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
- Keep SD cards out of reach of children. If a child swallows a SD card, consult a doctor immediately.

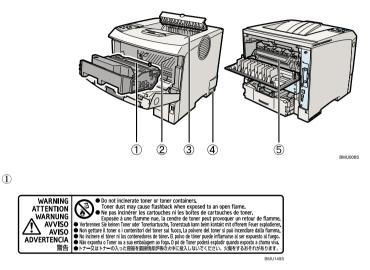
🖉 Note

Our products are engineered to meet the highest standards of quality and functionality. When purchasing expendable supplies, we recommend using only those specified by an authorized dealer.

Safety Labels of This Machine

Positions of AWARNING and ACAUTION labels

This machine has labels for \triangle WARNING and \triangle CAUTION at the positions shown below. For safety, please follow the instructions and handle the machine as indicated.



Do not incinerate toner or toner containers. Toner dust may cause flashback when exposed to open flames.

2



The inside of this printer becomes very hot. Do not touch parts with this label (indicating a hot surface). Touching these parts will result in burns.

3



The inside of this printer becomes very hot. Do not touch parts with this label (indicating a hot surface). Touching these parts will result in burns.



The printer weights about 17 kg (37.5 lb.).

When moving the machine, detach the optional paper feed and duplex units first, and then use the inset grips on both sides to lift the machine. Otherwise the printer could break or cause injury if dropped.

5



The inside of this printer becomes very hot. Do not touch parts with this label (indicating a hot surface). Touching these parts will result in burns.

Power Switch Symbols

The meanings of the symbols for the switches on this machine are as follows:

- I :POWER ON.
- O:POWER OFF.

Noise Emission *1

Sound Power Level

	Main unit only	
Standby	42 dB (A)	
During Printing	67 dB (A)	

Sound Pressure level *2

	Main unit only	
Standby	36 dB (A)	
During Printing	61 dB (A)	

^{*1} The preceding measurements made in accordance with ISO7779 are actual values.
 ^{*2} Measured at the position of a bystander.

ENERGY STAR Program

ENERGY STAR® Program Requirements for Imaging Equipment



The ENERGY STAR® Program Requirements for Imaging Equipment encourage energy conservation by promoting energy efficient computers and other office equipment.

The program backs the development and dissemination of products that feature energy saving functions.

It is an open program in which manufacturers participate voluntarily.

Targeted products are computers, monitors, printers, facsimiles, copiers, scanners, and multifunction devices. Energy Star standards and logos are internationally uniform.

Energy Saver mode

This printer automatically lowers its power consumption 5 minutes after the last operation has been completed. To exit Low-power (Energy Saver) mode, press any key on the control panel. For more information about how to configure Energy Saver mode, see "System Menu", Software Guide as a HTML file on the CD-ROM.

Specifications

Energy Saver mode	Power Consumption	With Options : 10 W or less Printer Only : 4.5 W or less
	Default Time	5 minutes
	Recovery Time	12 seconds or less

Recycled Paper

We recommend use of recycled paper which is environment friendly. Please contact your sales representative for recommended paper.

