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SHARP CORPORATION

SHARP[®]

QUICK START GUIDE

MX-2610N/MX-3110N/MX-3610N

SHARP[®]

DIGITAL FULL COLOUR MULTIFUNCTIONAL SYSTEM
MX-2610N/MX-3110N/MX-3610N



QUICK START GUIDE

Keep this manual close at hand for reference whenever needed.



For the users of the fax function

Important safety instructions

- 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.
- Never install telephone wiring during a lightning storm.
- Never install telephone jacks in wet locations unless the socket is specifically designed for wet locations.
- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.
- Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
- Do not use a telephone to report a gas leak in the vicinity of the leak.
- Do not install or use the machine near water, or when you are wet. Take care not to spill any liquids on the machine.
- Save these instructions.

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SHARP ELECTRONICS (Europe) GmbH
SonninstraÙe 3, D-20097 Hamburg

Information on Disposal for Users (private households)

■ In the European Union

Attention: If you want to dispose of this equipment, please do not use the ordinary dust bin! Used electrical and electronic equipment must be treated separately and in accordance with legislation that requires proper treatment, recovery and recycling of used electrical and electronic equipment. Following the implementation by member states, private households within the EU states may return their used electrical and electronic equipment to designated collection facilities free of charge*. In some countries* your local retailer may also take back your old product free of charge if you purchase a similar new one.

*) Please contact your local authority for further details. If your used electrical or electronic equipment has batteries or accumulators, please dispose of these separately beforehand according to local requirements. By disposing of this product correctly you will help ensure that the waste undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health which could otherwise arise due to inappropriate waste handling.

■ In other Countries outside the EU

If you wish to discard this product, please contact your local authorities and ask for the correct method of disposal. For Switzerland: Used electrical or electronic equipment can be returned free of charge to the dealer, even if you don't purchase a new product. Further collection facilities are listed on the homepage of www.swico.ch or www.sens.ch.



Attention: Your product is marked with this symbol. It means that used electrical and electronic products should not be mixed with general household waste. There is a separate collection system for these products.

Information on Disposal for Business Users

■ In the European Union

If the product is used for business purposes and you want to discard it: Please contact your SHARP dealer who will inform you about the take-back of the product. You might be charged for the costs arising from take-back and recycling. Small products (and small amounts) might be taken back by your local collection facilities. For Spain: Please contact the established collection system or your local authority for take-back of your used products.

■ In other Countries outside the EU

If you wish to discard of this product, please contact your local authorities and ask for the correct method of disposal.

Caution!

For complete electrical disconnection, pull out the main plug.

The socket-outlet shall be installed near the equipment and shall be easily accessible.

Shielded interface cables must be used with this equipment to maintain compliance with EMC regulations.

The equipment should be installed near an accessible socket outlet for easy disconnection.



FAX interface cable and Line cable

These special accessories must be used with the device.

To reduce the risk of fire, use only UL-Listed No.26 AWG or larger telecommunication line cord.

Notice for users in the UK

MAINS PLUG WIRING INSTRUCTIONS

The mains lead of this equipment is already fitted with a mains plug which is either a non-rewireable (moulded) or a rewireable type. Should the fuse need to be replaced, a BSI or ASTA approved fuse to BS1362 marked  or  and of the same rating as the one removed from the plug must be used.

Always refit the fuse cover after replacing the fuse on the moulded plug. Never use the plug without the fuse cover fitted.

In the unlikely event of the socket outlet in your home not being compatible with the plug supplied either cut-off the moulded plug (if this type is fitted) or remove by undoing the screws if a rewireable plug is fitted and fit an appropriate type observing the wiring code below.


DANGER: The fuse should be removed from the cut-off plug and the plug destroyed immediately and disposed of in a safe manner. Under no circumstances should the cut-off plug be inserted elsewhere into a 13A socket outlet as a serious electric shock may occur.

To fit an appropriate plug to the mains lead, follow the instructions below:

IMPORTANT: The wires in this mains lead are coloured in accordance with the following code:

GREEN-AND-YELLOW:	Earth
BLUE:	Neutral
BROWN:	Live

As the colours of the wires in this mains lead may not correspond with coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured **GREEN-AND-YELLOW** must be connected to the terminal in the plug which is marked with the letter **E**, or by the safety earth symbol , or coloured green or greenand-yellow.

The wire which is coloured **BLUE** must be connected to the terminal which is marked with the letter **N** or coloured black.

The wire which is coloured **BROWN** must be connected to the terminal which is marked with the letter **L** or coloured red.

If you have any doubt, consult a qualified electrician.

WARNING: THIS APPARATUS MUST BE EARTHED.

EMC (this machine and peripheral devices)

Warning:

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

This machine contains the software having modules developed by Independent JPEG Group.

This product includes Adobe® Flash® technology of Adobe Systems Incorporated.

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TO THE ADMINISTRATOR OF THE MACHINE

Forwarding all transmitted and received data to the administrator (document administration function)

This function is used to forward all data transmitted and received by the machine to a specified destination (Scan to E-mail address, Scan to FTP destination, Scan to Network Folder destination, or Scan to Desktop destination).

This function can be used by the administrator of the machine to archive all transmitted and received data.

To configure the document administration settings, click [Application Settings] and then [Document Administration Function] in the [Settings mode] (Administrator-level access privileges are required.)



- The format, exposure, and resolution settings of transmitted and received data remain in effect when the data is forwarded.
- When forwarding is enabled for data sent in fax mode,
 - The [Direct TX] key does not appear in the touch panel.
 - Quick online transmission and dialling using the speaker cannot be used.

Settings mode password

The administrator password is required to change the machine's settings mode. Settings mode can be changed from either the operation panel or using a computer web browser. After setting up the machine, refer to [Settings mode] in the Operation Guide (PC) to set a new password.



The same passwords are used for logging in from the operation panel and from a web browser. If the administrator changes a password, that password will be effective when logging in from both the operational panel and a web browser.

Password for logging in from a computer

There are three accounts that can log in from a web browser: "Administrator", "System Administrator" and "User". The factory default passwords for each account are shown on the below. Logging in as an "Administrator" or "System Administrator" will allow you to manage all the settings available via web browser.

	Account	Password
User	users	users
Administrator	admin	admin
System Administrator	sysadmin	sysadmin

(Cut along the dotted line and keep in a safe place.)



Please take care not to forget newly set administrator passwords.

Emission of noise and chemicals

Noise emission values

Noise emission values as measured according to ISO7779 are listed to the right.

Sound power level L_{WAD}

	MX-2610N	MX-3110N	MX-3610N
Printing mode (continuous printing)	7.3 B	7.6 B	7.5 B
Standby mode	-	-	-

Sound pressure level L_pA (actual measurement)

	MX-2610N	MX-3110N	MX-3610N
Printing mode (continuous printing)	56 dB	58 dB	57 dB
Standby mode	-	-	-

Emission density (measured according to RALUZ122: Edition Jun.2006)

Measured chemicals	Condition of copier	Colour mode	Diffusion speed	
Ozone	When copier is in operation	Colour	3.0 mg/h or less	
		Black and white	1.5 mg/h or less	
Dust		Colour	4.0 mg/h or less	
		Black and white		
Styrene		Colour	-	
		Black and white		
Benzene		Colour		
		Black and white		
TVOC		When copier is in operation	Colour	18 mg/h or less
			Black and white	10 mg/h or less
	When on standby	-	2.0 mg/h or less	

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SOFTWARE LICENCE

The SOFTWARE LICENCE will appear when you install the software from the CD-ROM. By using all or any portion of the software on the CD-ROM or in the machine, you are agreeing to be bound by the terms of the SOFTWARE LICENCE.

The explanations in this manual are based on American English and the North American version of the software.

Software for other countries and regions may vary slightly from the North American version.



- The explanations in this manual assume that you have a working knowledge of your Windows or Macintosh computer.
- For information on your operating system, please refer to your operating system manual or the online Help function.
- The explanations of screens and procedures in this manual are primarily for Windows Vista® in Windows® environments. The screens may vary depending on the version of the operating system.
- Considerable care has been taken in preparing this manual. If you have any comments or concerns about the manual, please contact your dealer or nearest authorised service representative.
- This product has undergone strict quality control and inspection procedures. In the unlikely event that a defect or other problem is discovered, please contact your dealer or nearest authorised service representative.
- Aside from instances provided for by law, SHARP is not responsible for failures occurring during the use of the product or its options, or failures due to incorrect operation of the product and its options, or other failures, or for any damage that occurs due to use of the product.



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MATERIAL SAFETY DATA SHEET

The MSDS (Material Safety Data Sheet) can be viewed at the following URL address: <http://www.sharp-world.com/corporate/info/index.html>

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SUPPLIES

Standard supplies for this product that can be replaced by the user include paper, toner cartridges, and staple cartridges for the finisher.

Be sure to use only SHARP-specified products for the toner cartridges, finisher staple cartridge, and transparency film.

SHARP.



For best copying results, be sure to use only Sharp Genuine Supplies which are designed, engineered, and tested to maximize the life and performance of Sharp products. Look for the Genuine Supplies label on the toner package.

GENUINE SUPPLIES

Storage of supplies

■ Proper storage

1. Store the supplies in a location that is:
 - clean and dry,
 - at a stable temperature,
 - not exposed to direct sunlight.
2. Store paper in the wrapper and lying flat.
3. Paper stored in packages standing up or out of the wrapper may curl or become damp, resulting in paper misfeeds.

■ Storing toner cartridges

Store a new toner cartridge box horizontally with the top side up. Do not store a toner cartridge standing on end. If stored standing on end, the toner may not distribute well even after shaking the cartridge vigorously, and will remain inside the cartridge without flowing out.

■ Staple cartridge

The finisher and saddle finisher require the following staple cartridge:
MX-SCX1 (for finisher and saddle finisher)
Approx. 5000 per cartridge x 3 cartridges
AR-SC3 (for saddle stitch of saddle finisher)
Approx. 2000 per cartridge x 3 cartridges

Supply of spare parts and consumables

The supply of spare parts for repair of the machine is guaranteed for at least 7 years following the termination of production. Spare parts are those parts of the machine which may break down within the scope of the ordinary use of the product, whereas those parts which normally exceed the life of the product are not to be considered as spare parts. Consumables too, are available for 7 years following the termination of production.

Network Scanner Specifications

Type	Colour scanner
Scan resolution (main × vertical)	100 × 100 dpi, 150 × 150 dpi, 200 × 200 dpi, 300 × 300 dpi, 400 × 400 dpi, 600 × 600 dpi (push scan), 50 to 9,600 dpi *1 (pull scan)
Scan speed (A4 (8-1/2" × 11"))	B/W: 50 sheets/minute (one-sided) Colour: 50 sheets/minute (one-sided) ● When in standard mode using Sharp standard paper (A4 (8-1/2" × 11") size with 6% coverage) and the auto colour detector is turned off. The speed varies depending on the data volume of the original.
Interface	10BASE-T/100BASE-TX/1000BASE-T, USB 2.0 (during USB memory scanning)
Compatible protocols	TCP/IP (IPv4/IPv6)
Compatible OS *2	Pull scan (TWAIN) Windows 2000, Windows XP, Windows 2000 Server, Windows Server 2003, Windows Vista, Windows Server 2008, Windows 7

Output format	(B/W) TIFF, PDF, PDF/A, encrypted PDF, XPS *3 Compression method: decompression, G3 (MH), G4 (MMR) (Grey scale/colour) TIFF, JPEG, PDF, PDF/A, encrypted PDF, high compression PDF, XPS *3 Compression method: JPEG (high, mid, and low compression, Emphasis black letter)
Driver	TWAIN compliant

- *1: You must decrease the scan size when increasing the resolution.
- *2: There are cases when a connection cannot be established. Please contact your local dealer for more information.
- *3: XPS (XML Paper Specification)

OPERATION MANUALS AND HOW TO USE THEM

Quick Start Guide (this document)

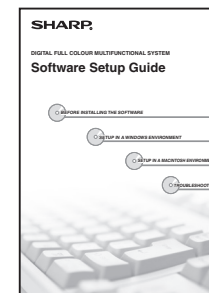
Features important safety notes, names of parts and components, information about the power-on procedure, operation overviews, information for people who manage the machine, and information about other aspects of this machine.

Read this section before using the machine for the first time.



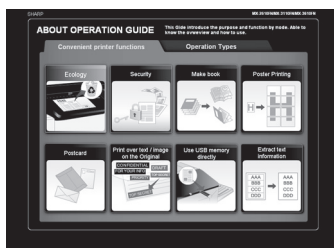
Software Setup Guide (CD-PDF)

Explains how to install the various drivers needed when using this machine as a printer, network scanner, or fax machine. Refer to this document when using this machine from a computer. The Software Setup Guide can be found on the "Software CD-ROM".



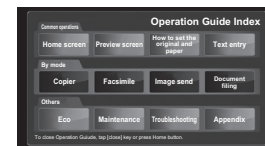
Operation Guide (PC)

Can be downloaded from the machine to a computer and viewed. Refer to this document to learn more about printer mode and settings mode, and to learn about the details of each type of mode.



Operation Guide (Built-in)

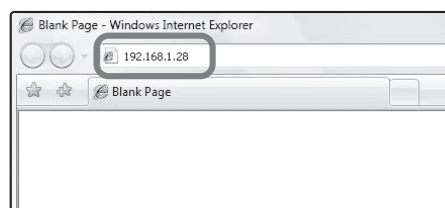
Can be viewed by touching the operation guide icon on the machine's touch panel. When you are using this machine, use this document to see an overview of a particular mode or when you are having trouble operating the machine.



Downloading the Operation Guide (PC)

You can download the [Operation Guide (PC)] by following the procedures below while the machine is connected to the network.

- 1 Confirm the machine's IP address**
First, press the [Settings] key on the operation panel and then touch [List Print (User)] when it appears on the touch panel.
Next, touch the [Print] key in the [All Custom Setting List], and confirm the IP address in the printed list.
- 2 Insert the machine's IP address into the address bar of your web browser to access the machine.**
<http://machine's IP address/>
User verification may be required depending on the machine's settings. Please check with the machine's administrator to obtain the account information necessary for verification.
- 3 Download the [Operation Guide (PC)]**
Click [Download Operation Guide] on the displayed page. Next, select the desired language from the "Language to download" list, and then click the [Download] button.
- 4 Double-click on the downloaded file to display the Operation Guide (PC).**



CAUTIONS

Symbols in this manual

To ensure safe use of the machine, this manual uses various safety symbols. The safety symbols are classified as explained below. Be sure you understand the meaning of the symbols when reading the manual.



WARNING

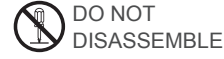
Indicates a risk of death or serious injury.



CAUTION

Indicates a risk of human injury or property damage.

Meaning of the symbols



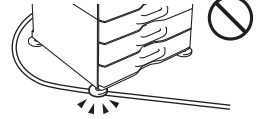
Power notes

WARNING

Be sure to connect the power cord only to a power outlet that meets the specified voltage and current requirements. Also make certain the outlet is properly grounded. Do not use an extension cord or adapter to connect other devices to the power outlet used by the machine. Using an improper power supply may cause fire or electrical shock.

* For the power supply requirements, see the name plate in the lower left corner of the left side of the machine.

Do not damage or modify the power cord.
Placing heavy objects on the power cord, pulling it, or forcibly bending it will damage the cord, resulting in fire or electrical shock.



Do not insert or remove the power plug with wet hands.
This may cause electrical shock.

CAUTION

When removing the power plug from the outlet, do not pull on the cord.
Pulling on the cord may cause damage such as wire exposure and breakage, and may result in fire or electrical shock.

If you will not use the machine for a long time, be sure to remove the power plug from the outlet for safety.

When moving the machine, switch off the main power and remove the power plug from the outlet before moving.
The cord may be damaged, creating a risk of fire or electrical shock.

Fax Specifications

Name	Facsimile expansion kit (MX-FX11)
Useable lines	General phone lines (PSTN), private branch exchange (PBX)
Scanning line density	Normal characters: 8 dot/mm × 3.85 chars/mm
	Small characters: 8 dot/mm × 7.7 line/mm
	Fine characters: 8 dot/mm × 15.4 line/mm
	High-definition: 16 dot/mm × 15.4 line/mm
Connection speed	Super G3: 33.6 kbps, G3: 14.4 kbps
Coding method	MH, MR, MMR, JBIG
Connection mode	Super G3 / G3
Original paper sizes for transmission	A3 (11" × 17") to A5 (5-1/2" × 8-1/2") (Paper with a max. length of 1,000 mm* can be transmitted (one-sided and B/W only).)
Registered paper size	A3 (11" × 17") to A5 (5-1/2" × 8-1/2")

Transmission time	Approx. 2 seconds *1 (A4 (8-1/2" × 11") Sharp standard paper, normal characters, Super G3 (JBIG)) Approx. 6 seconds (G3 ECM)	
Memory	1 GB	
Notes	Touch dial memory	Max. of 2,000 entries (Including group dialling for fax, scanner, and Internet fax)
	Entries per group	Max. of 500 entries
	Mass transmissions	Max. of 500 recipients

*1 Complies with the 33.6 kbps transmission method for Super G3 facsimiles standardized by the International Telecommunications Union (ITU-T). This is the speed for when sending an A4 (8-1/2" × 11") size piece of paper of around 700 characters at standard image quality (8 × 3.85 chars/mm) in Hi-speed mode (33.6 kbps). This is the transmission speed for image information only and does not include time for transmission control. The actual time needed for a transmission depends on the content of the text, type of receiving fax machine, and telephone line conditions.

Network Printer Specifications

Type	Built-in type
Continuous print speed	Same as continuous copy speed
Resolution	Data processing: 600 × 600 dpi, 1,200 × 1,200 dpi
	Print: 600 × 600 dpi, equivalent to 9,600 dpi × 600 dpi, 1,200 × 1,200 dpi
Page description language	Standard: PCL6 emulation, PS3 emulation *1
Compatible protocols	TCP/IP, IPv4/IPv6, IPX/SPX, NetBEUI, IPP, EtherTalk *1
Compatible OS	Windows 2000, Windows XP, Windows 2000 Server, Windows Server 2003, Windows Vista, Windows Server 2008, Windows 7
	Macintosh (Mac OS 9.0 ~ 9.2.2, OS X 10.2.8, 10.3.9, 10.4 ~ 10.4.11, 10.5 ~ 10.5.8, 10.6 ~ 10.6.2)*1

Internal fonts (options)	80 fonts for PCL, 136 fonts for PS3 emulation
Memory	Machine system memory and hard disk
Interface	10BASE-T/100BASE-TX/1000BASE-T, USB 1.1, USB 2.0 (high speed mode)

*1: When equipped with a PS extension kit (MX-PK11).

SPECIFICATIONS

Saddle Finisher

Name	Finisher (MX-FN10)
Paper sizes	Depends on feeder specifications
Useable paper	Paper weight 55 g/m ² (15 lbs.) to 256 g/m ² (68 lbs.)
No. of trays	1
Tray capacity (80g/m ² (21 lbs.))	<p>Non-stapled A3 wide (12" × 18") / A3 (11" × 17") / B4 (8-1/2" × 14") / A5R (5-1/2" × 8-1/2"R): 500 sheets</p> <p>A4 (8-1/2" × 11") / A4R (8-1/2" × 11"R) / B5 B5R (7-1/4" × 10-1/2"R): 1,000 sheets</p> <p>Staple function A3 (11" × 17") / B4 (8-1/2" × 14"): 50 units or 500 sheets</p> <p>A4 (8-1/2" × 11") / A4R (8-1/2" × 11"R) / B5 / B5R : 50 units or 1,000 sheets</p> <p>● Offset output is not available for A3 wide (12" × 18") / A5R (5-1/2" × 8-1/2"R).</p>
Required power supply	Supplied from this machine

Weight	Approx. 40 kg (88 lbs.)
Dimensions	When output paper tray is stored 497 mm (W) × 631 mm (D) × 988 mm (H) (19-9/16" (W) × 24-27/32" (D) × 38-57/64" (H))
	When output paper tray is extended 656 mm (W) × 631 mm (D) × 988 mm (H) (25-53/64" (W) × 24-27/32" (D) × 38-57/64" (H))
Max. no. of stapled sheets	Max. no. of 50 sheets (A4 (8-1/2" × 11"), A4R (8-1/2" × 11"R), B5, B5R) Max. no. of 25 sheets (A3 (11" × 17"), B4 (8-1/2" × 14"))
Staple position	1 bottom, 1 top, 2 middle
Staple method (for saddle stitch)	Centred fold with stapling in 2 centre places
Saddle stitch fold position	Centred fold
Saddle usable sizes	A3 (11" × 17") / B4 (8-1/2" × 14") / A4R (8-1/2" × 11"R)
Saddle usable paper weight	60 g/m ² (16 lbs.) to 209 g/m ² (56 lbs.)

Punch module (for finisher)

Name	Punch module for finisher
Paper size for punch module	MX-PN11A, MX-PN11B, MX-PN11C, MX-PN11D
Holes	A3 (11" × 17") to A4 (7-1/4" × 10-1/2"R)
	MX-PN11A 2 holes
	MX-PN11B 3 holes
	MX-PN11C 4 holes
	MX-PN11D 4 holes (wide)

Required power supply	Supplied from finisher
Dimensions	98 mm (W) × 477 mm (D) × 137 mm (H) (3-55/64" (W) × 18-50/64" (D) × 5-26/64" (H))
Weight	Approx. 3 kg (7 lbs.)


Punch module (for saddle finisher)


Name	Punch module for saddle finisher
Paper size for punch module	MX-PNX5A, MX-PNX5B, MX-PNX5C, MX-PNX5D
Holes	A3 (11" × 17") to A4 (7-1/4" × 10-1/2"R)
	MX-PNX5A 2 holes
	MX-PNX5B 3 holes
	MX-PNX5C 4 holes
	MX-PNX5D 4 holes (wide)


Required power supply	Supplied from saddle finisher
Dimensions	122 mm (W) × 604 mm (D) × 248 mm (H) (4-27/32" (W) × 24-5/32" (D) × 9-59/64" (H))
Weight	Approx. 3.5 kg (7.7 lbs.)


Installation notes

CAUTION

 **Do not install the machine on an unstable or slanted surface. Install the machine on a surface that can withstand the weight of the machine.**
Risk of injury due to the machine falling or toppling.
If peripheral devices are to be installed, do not install on an uneven floor, slanted surface, or otherwise unstable surface. Danger of slippage, falling, and toppling. Install the product on a flat, stable surface that can withstand the weight of the product.


 **Do not install in a location with moisture or dust.**
Risk of fire and electrical shock.
If dust enters the machine, dirty output and machine failure may result.


 **Locations that are excessively hot, cold, humid, or dry (near heaters, humidifiers, air conditioners, etc.)**
The paper will become damp and condensation may form inside the machine, causing misfeeds and dirty output.
SPECIFICATIONS (page 18)
If the location has an ultrasonic humidifier, use pure water for humidifiers in the humidifier. If tap water is used, minerals and other impurities will be emitted, causing impurities to collect on the inside of the machine and create dirty output.


 **When the machine is installed, the adjusters (5) must be lowered to the floor to secure the machine (prevent it from moving).**
Rotate the adjusters in the locking direction until they are in firm contact with the floor.


If you find it necessary to reposition the machine due to rearrangement of your office layout or other reason, retract the adjusters from the floor, turn off the power, and then move the machine.

(After moving the machine, lower the adjusters again to secure the machine.)

 **Locations exposed to direct sunlight**
Plastic parts may become deformed and dirty output may result.

 **Locations with ammonia gas**
Installing the machine next to a diazo copy machine may cause dirty output.

 **Do not install the machine in a location with poor air circulation.**
A small amount of ozone is created inside the machine during printing. The amount of ozone created is not sufficient to be harmful; however, an unpleasant odor may be noticed during large copy runs, and thus the machine should be installed in a room with a ventilation fan or windows that provide sufficient air circulation. (The odor may occasionally cause headaches.)
* Install the machine so that people are not directly exposed to exhaust from the machine. If installed near a window, ensure that the machine is not exposed to direct sunlight.

 **Near a wall**
Be sure to allow the required space around the machine for servicing and proper ventilation. (The machine should be no closer than the distances indicated below from walls. The indicated distances are for the case when a saddle finisher and large capacity paper tray are not installed.)

 **Locations subject to vibration.**
Vibration may cause failure.

CAUTION

The machine includes a built-in hard drive. Do not subject the machine to shock or vibration. In particular, never move the machine while the power is on.

- The machine should be installed near an accessible power outlet for easy connection.
- Connect the machine to a power outlet which is not used for other electric appliances. If a lighting fixture is connected to the same outlet, the light may flicker.

CAUTIONS

About consumables

⚠ CAUTION

- Do not throw a toner cartridge into a fire.
Toner may fly and cause burns.

- Store a toner cartridge out of the reach of children.

Handling precautions

⚠ WARNING

- Do not place a container of water or other liquid, or a metal object that might fall inside, on the machine.
If the liquid spills or the object falls into the machine, fire or electrical shock may result.



- Do not remove the machine casing.
High-voltage parts inside the machine may cause electrical shock.

- Do not make any modifications to this machine.
Doing so may result in personal injury or damage to the machine.

- Do not use a flammable spray to clean the machine.
If gas from the spray comes in contact with hot electrical components or the fusing unit inside the machine, fire or electrical shock may result.

- If you notice smoke, a strange odor, or other abnormality, do not use the machine.
If used in this condition, fire or electrical shock may result. Immediately switch off the main power and remove the power plug from the power outlet. Contact your dealer or nearest authorised service representative.



- If a thunder storm begins, switch off the main power and remove the power plug from the outlet to prevent electrical shock and fire due to lightning.

- If a piece of metal or water enters the machine, switch off the main power and remove the power plug from the power outlet.
Contact your dealer or nearest authorised service representative. Using the machine in this condition may result in electrical shock or fire.

Automatic document feeder (Standard equipment)

Name	Reversing Single Pass Feeder (RSPF)	Paper storage capacity	100 sheets (80 g/m ² (21 lbs.)) (or maximum stack height of 13 mm (33/64"))
Document feeder types	Reversing Single Pass Feeder (RSPF)	Scan speed (copy)	B/W: 50 one-sided sheets/minute (A4 (8-1/2" × 11") horizontal) (600 × 400 dpi) Colour: 36 one-sided sheets/minute (A4 (8-1/2" × 11") horizontal) (600 × 600 dpi)
Original paper sizes	A3 (11" × 17") to A5 (5-1/2" × 8-1/2")		
Original paper types	Paper weight Thin paper 35 g/m ² (9 lbs.) to 49 g/m ² (13 lbs.) Plain paper 50 g/m ² (13 lbs.) to 129 g/m ² (34 lbs.) Two-sided 50 g/m ² (13 lbs.) to 105 g/m ² (28 lbs.)		

Tray

Name	Tray 1 (MX-DE12) Tray 2 (MX-DE13) Tray 3 (MX-DE14) Large capacity tray (MX-LC11)	Dimensions	MX-DE12/13/14 583 mm (W) × 577 mm (D) × 382 mm (H) (22-61/64" (W) × 22-46/64" (D) × 15-3/64" (H)) MX-LC11 376 mm (W) × 523 mm (D) × 575 mm (H) (14-53/64" (W) × 20-19/32" (D) × 22-41/64" (H))
Paper sizes	A3 (11" × 17") to A5R (5-1/2" × 8-1/2"R)	Weight	MX-DE12: Approx. 21 kg (46 lbs.) MX-DE13: Approx. 24 kg (53 lbs.) MX-DE14: Approx. 29 kg (64 lbs.) MX-LC11: Approx. 30 kg (66 lbs.)
Useable paper	60 g/m ² (16 lbs.) to 209 g/m ² (56 lbs.)		
Paper capacity	500 sheets 1,000 (500 × 2) 1,500 (500 × 3) 3,500		

Finisher

Name	Finisher (MX-FN17)	Max. no. of stapled sheets	Max. no. of 50 sheets (A4 (8-1/2" × 11"), A4R (8-1/2" × 11"R), B5) Max. no. of 30 sheets (A3 (11" × 17"), B4 (8-1/2" × 14"))
Paper sizes	Depends on feeder specifications	Staple position	1 bottom, 1 top, 2 middle
Useable paper	Paper weight 55 g/m ² (15 lbs.) to 256 g/m ² (68 lbs.)	Required power supply	Supplied from this machine
No. of trays	1	Weight	Approx. 15 kg (33 lbs.)
Tray capacity (80g/m ² (21 lbs.))	Non-stapled A3 wide (12" × 18") / A3 (11" × 17") / B4 (8-1/2" × 14"): 250 sheets A4 (8-1/2" × 11") / A4R (8-1/2" × 11"R) / B5 B5R (7-1/4" × 10-1/2"R) / A5R (5-1/2" × 8-1/2"R): 500 sheets Staple function A3 (11" × 17") / B4 (8-1/2" × 14"): 30 units or 250 sheets A4 (8-1/2" × 11") / A4R (8-1/2" × 11"R) / B5 30 units or 500 sheets ● Offset output is not available for A3 wide (12" × 18") / B5R (7-1/4" × 10-1/2"R) / A5R (5-1/2" × 8-1/2"R).	Dimensions	When output paper tray is stored 428 mm (W) × 593 mm (D) × 198mm (H) (16-55/64" (W) × 23-22/64" (D) × 7-51/64" (H)) When output paper tray is extended 612 mm (W) × 593 mm (D) × 198 mm (H) (24-6/64" (W) × 23-22/64" (D) × 7-51/64" (H))

Basic Specifications / Copier specifications

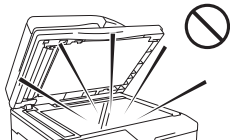
Name	MX-2610N/MX-3110N/MX-3610N		
Type	Desktop		
Colour	Full colour		
Copier system	Laser electrostatic copier		
Scanning resolution	Scan (B/W): 600 × 600 dpi, 600 × 400 dpi, 600 × 300 dpi Scan (full colour): 600 × 600 dpi Print: 600 × 600 dpi, equivalent to 9,600 dpi × 600 dpi		
Gradation	Scan: equivalent to 256 levels / Print: equivalent to 256 levels		
Original paper sizes	Max. A3 (11" × 17") for sheets and bound documents A3 wide (12" × 18") to A5R, 5-1/2" × 8-1/2"R, Transparency film, Heavy paper, Envelopes Tray 1-4: A3, B4, A4, A4R, B5, B5R, A5R, 11" × 17", 8-1/2" × 14", 8-1/2" × 13-1/2", 8-1/2" × 13-2/5", 8-1/2" × 13", 8-1/2" × 11", 8-1/2" × 11"R, 7-1/4" × 10-1/2"R, 5-1/2" × 8-1/2"R Multi-bypass tray: A3 wide (12" × 18") to A5R, 5-1/2" × 8-1/2"R, Transparency film, Heavy paper, Envelopes		
Copy sizes	Lost margin (leading edge): 4 mm (11/64") ± 1 mm (± 3/64") Lost margin: (trailing edge): 2 mm (6/64") - 5 mm (- 13/64") Leading edge / trailing edge: total 8 mm (21/64") or less Near edge / far edge: total 4 mm (11/64") ± 2 mm (± 6/64") or less		
Warm-up time	20 seconds or less ● This may vary depending on the ambient conditions.		
First-copy time		MX-2610N	MX-3110N
	Full colour:	8.1 seconds	7.9 seconds
	B/W:	5.9 seconds	5.8 seconds
			MX-3610N
			6.8 seconds
			5.2 seconds
			● This may vary depending on the state of the machine.
Continuous copying speeds* (when shifter is not in operation)		MX-2610N	MX-3110N
	A4, 8-1/2" × 11"	26 copies/min.	31 copies/min.
	A4R, 8-1/2" × 11"R	19 copies/min.	20 copies/min.
	B4, 8-1/2" × 14"	16 copies/min.	17 copies/min.
	A3, 11" × 17"	14 copies/min.	15 copies/min.
			17 copies/min.
			* Continuous speed for same original source. Output may be temporarily interrupted to stabilize image quality.

Copy ratios	Same size: 1:1 ± 0.8 % Enlarge: 115 %, 122 %, 141 %, 200 %, 400 % Reduce: 25 %, 50 %, 70 %, 81 %, 86 % Zoom range: 25 to 400 % (25 - 200 % using RSPF) in 1 % increments, total 376 increments. Can calculate zoom rate when mm is specified.
Paper feed / capacity	500 sheets in one tray plus 100-sheet multi-bypass tray ● Using 80 g/m ² (21 lbs.) weight paper
Max. paper feed / max. capacity	5,600 sheets in 4 trays (500 × 4) plus 100-sheet multi-bypass tray plus 3,500 sheets in large capacity tray ● Using 80 g/m ² (21 lbs.) weight paper
Continuous copy	Max. 999 copies
Memory	Standard: 2 GB HDD: 160 GB SD card 4 GB PCL accelerator 1 GB ● 1 GB = One billion bytes when referring to hard drive capacity. Actual format capacity is less.
Ambient environment	Operating environment: 10 °C (54 °F) to 35 °C (91 °F) (20 % to 85 % RH) 590 - 1,013 hpa Standard environment: 20 °C (68 °F) to 25 °C (77 °F) (65 ± 5 % RH)
Required power supply	Local voltage ± 10 % (For the power supply requirements, see the name plate in the lower corner of the left side of the machine.) Power consumption Max. 1.44 kW (including options such as the desk)
Dimensions	MX-2610N/MX-3110N: 583 mm (W) × 658 mm (D) × 834 mm (H) (22-61/64" (W) × 25-29/32" (D) × 32-27/32" (H)) MX-3610N: 608 mm (W) × 680 mm (D) × 834 mm (H) (24-5/16" (W) × 26-25/32" (D) × 32-27/32" (H))
Weight	MX-2610N/MX-3110N: Approx. 75 kg (165 lbs.) MX-3610N: Approx. 78 kg (171 lbs.)
Overall dimensions	MX-2610N/MX-3110N: 850 mm (W) × 658 mm (D) (33-15/32" (W) × 25-29/32" (D)) MX-3610N: 876 mm (W) × 680 mm (D) (34-31/64" (W) × 26-25/32" (D)) MX-2610N/MX-3110N: 963 mm (W) × 658 mm (D) (37-59/64" (W) × 25-29/32" (D)) MX-3610N: 1,015 mm (W) × 680 mm (D) (39-31/32" (W) × 26-25/32" (D))

CAUTION

Do not look directly at the light source.

Doing so may damage your eyes.



The fusing unit and paper exit area are hot. When removing a misfeed, do not touch the fusing unit and paper exit area. Take care not to burn yourself.

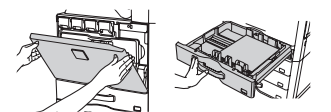


Do not block the ventilation ports on the machine. Do not install the machine in a location that will block the ventilation ports.

Blocking the ventilation ports will cause heat to build up in the machine, creating a risk of fire.



When loading paper, removing a misfeed, performing maintenance, closing the front and side covers, and inserting and removing trays, take care that your fingers are not pinched.



The machine includes the document filing function, which stores document image data on the machine's hard drive. Stored documents can be called up and printed or transmitted as needed. If a hard drive failure occurs, it will no longer be possible to call up the stored document data. To prevent the loss of important documents in the unlikely event of a hard drive failure, keep the originals of important documents or store the original data elsewhere. With the exception of instances provided for by law, Sharp Corporation bears no responsibility for any damages or loss due to the loss of stored document data.

Laser information

Wave length	790 nm ± 10 nm
Pulse times	Normal paper mode (P/S = 104 mm/s) = (5.15 μs ± 0.03 ns) / 7 mm Heavy paper mode (P/S = 70 mm/s) = (3.83 μs ± 0.03 ns) / 7 mm
Output power	Max 0.405 mW

Caution

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

This Digital Equipment is CLASS 1 LASER PRODUCT (IEC 60825-1 Edition 2-2007)

“BATTERY DISPOSAL”

THIS PRODUCT CONTAINS A LITHIUM PRIMARY MEMORY BACK-UP BATTERY THAT MUST BE DISPOSED OF PROPERLY. PLEASE CONTACT YOUR LOCAL SHARP DEALER OR AUTHORIZED SERVICE REPRESENTATIVE FOR ASSISTANCE IN DISPOSING OF THIS BATTERY.

NAMES OF PARTS AND COMPONENTS, TURNING ON THE POWER

This machine has a main power switch, found at the bottom left after the front cover is opened, and a power button (⏻), located on the operation panel.

Turning on the power

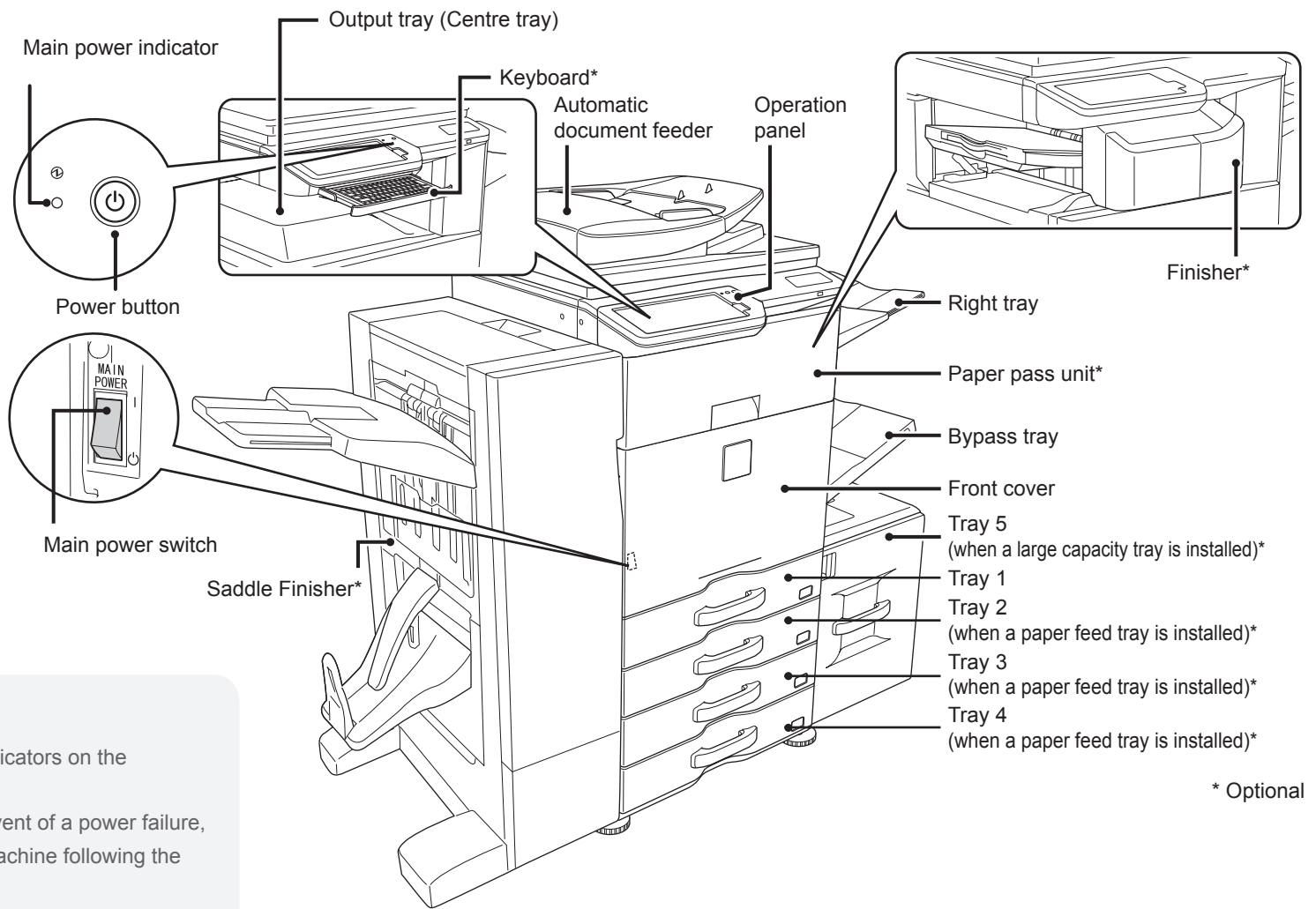
- Switch the main power switch to the "I" position. The main power indicator will light in orange. The power button (⏻) does not function while the main power indicator is lit in orange.
- After the main power indicator lights in green, press the power button (⏻).

Turning off the power

- (1) Press the power button (⏻) to turn off the power.
- (2) Switch the main power switch to the "⏻" position.

Restarting the machine

In order for some settings to take effect, the machine must be restarted. If a message in the touch panel prompts you to restart the machine, press the power button (⏻) to turn off the power and then press the key again to turn the power back on.



* Optional

CAUTION

- When turning off the power, make sure that the indicators on the operation panel turn off as well.
- If the machine suddenly turns off, such as in the event of a power failure, turn the machine on again, and then turn off the machine following the correct procedure for turning off the machine. Switching off the main power switch or removing the power cord from the outlet while any of the indicators are lit or blinking may damage the hard drive and cause data to be lost.
- Switch off both the power button (⏻) and the main power switch and unplug the power cord if you suspect a machine failure, if there is a bad thunderstorm nearby, or when you are moving the machine.

- When using the fax or Internet fax function, always keep the main power switch in the "I" position.
- In some states of the machine, pressing the power button (⏻) to restart will not make the settings take effect. In this case, use the main power switch to switch the power off and then on.

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MAINTENANCE

Replacing a toner cartridge

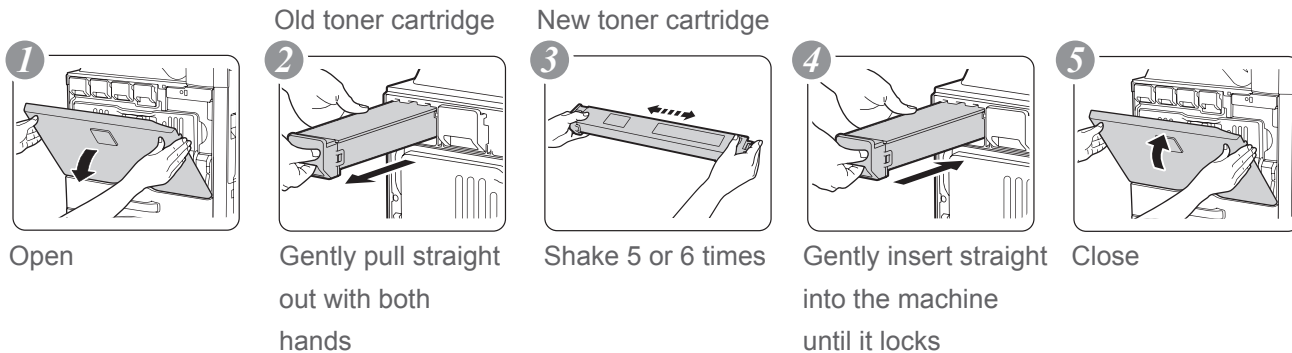
When toner runs low, the colour and the message "Prepare a new toner cartridge." appears.

Prepare a new toner cartridge for the indicated colour.

When toner runs out, the colour and the message "Replace the toner cartridge." appears.

Replace the toner cartridge for the indicated colour.

Example: Replacing the yellow toner cartridge



Caution

- Do not throw toner cartridges into a fire. Toner may fly and cause burns.
- Store toner cartridges out of the reach of small children.
- Always store toner cartridges on their sides. If toner cartridges are stored on end, the toner may harden and become unusable.
- Please use SHARP-recommended toner cartridges. If toner cartridges other than SHARP-recommended toner cartridges are used, the machine may not attain full quality and performance and there is a risk of damage to the machine.

- Do not dispose of used toner cartridges. Place them in a plastic bag and keep them. The technician will collect the used toner cartridges when performing maintenance.
- To view the approximate amount of toner remaining, continually touch the [Home Screen] key during printing or when the machine is idle. The percentage of toner remaining will appear in the display while the key is touched.
- When the percentage falls to "25-0%", obtain a new toner cartridge and keep it ready for replacement.
- Depending on your conditions of use, the colour may become faint or the image blurred.

Removing misfeeds

When a paper misfeed occurs, the message "A misfeed has occurred." will appear in the touch panel and printing and scanning will stop.

In this event, touch the [Check how to remove misfeeds.] key in the touch panel.

When the key is touched, instructions for removing the misfeed will appear. Follow the instructions. When the misfeed is cleared, the message will automatically clear.



Caution

- The fusing unit and the output unit are hot.
- Take care not to touch the fusing unit when removing a misfeed.
- There is a risk of burning.



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Step 1 Select a function

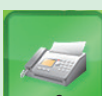
Step 2 Place the original

Step 3 Scan

Step 4 Confirmation


Step 5 Start

Fax



Tap

E-mail



Tap


HDD file retrieve



Tap

Scan and store the file

Place the original in the automatic document feeder

Insert all the way  Do not pass this line



Align the edges

Upward


Adjust to original size

Place the original on the document glass

Align to corner



Placing a thick book



Downward

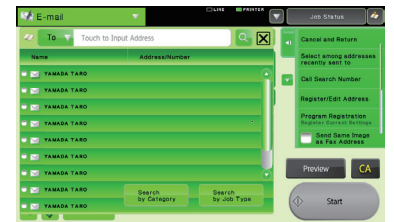
Lift open

Confirmation

Face up/down
Orientation
Missing pages
Folded pages




Select the address




Transmission



Storing



HOME SCREEN

The home screen is the first screen to be displayed. Touch an icon to display the corresponding screen. When the  button is pressed on the operation panel, this home screen is displayed.


* The actual screen displayed may vary depending on the model or how the machine has been customized.

Copy
The scanned original is printed.

Scroll area
Up to 12 icons are displayed. Icons that are not displayed can be displayed by scrolling horizontally.

Fixed area
Up to 10 icons are always displayed.

HDD file retrieve
The scanned original is saved. Saved data can be edited and used again for another operation.



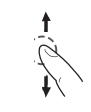





- Image send** The scanned original is sent to the specified destination.
- E-mail** The scanned original is attached to an e-mail and sent.
- Fax** The scanned original is sent using the telephone line.
- FTP/Desktop** The scanned file is sent to a specified directory of an FTP server or to a specified folder on a computer connected to the network.
- Network folder** The scanned original is sent to the specified shared folder on a computer connected to the Windows network.
- PC scan** A TWAIN-compliant application on a computer connected to the network is used to scan a document or image.
- Job status** Displays the status of the current job.
- System settings** Allows various settings to be adjusted according to how the machine will be used or its current state of use.

Operation Guide
Refer to the Operation Guide when you have questions about operating the machine.

OPERATING THE TOUCH PANEL

In addition to the conventional "single tap" operation, you can also operate the touch panel using long touches, flicks, and slides.

<p>Tap</p> 	<p>Touch and then quickly release the finger. Used to select keys, tabs, checkboxes, etc.</p>	<p>Double-tap</p> 	<p>Lightly strike the touch panel two times. Used to change the preview display mode, or enlarge the preview image.</p>	<p>Slide</p> 	<p>Slide the finger on the scroll bar to move up or down through a long list.</p>
<p>Long-touch</p> 	<p>Touch a key and keep the finger on the key for a short time.</p>	<p>Flick</p> 	<p>Flick (quickly swipe with the finger) to scroll the preview image.</p>	<p>Drag</p> 	<p>Drag (slide the finger in the desired direction) to rotate or delete original pages displayed as a preview.</p>

OVERVIEW OF COPY OPERATION

Step 1 Select a function

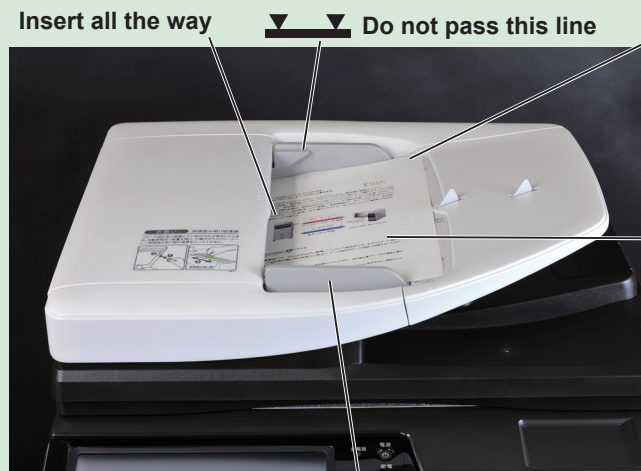
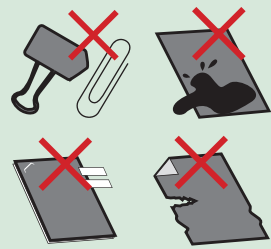
Select the Copy icon.



Step 2 Place the original

Select the automatic document feeder or the document glass according to the type of original.

Place the original in the automatic document feeder



Adjust to original size

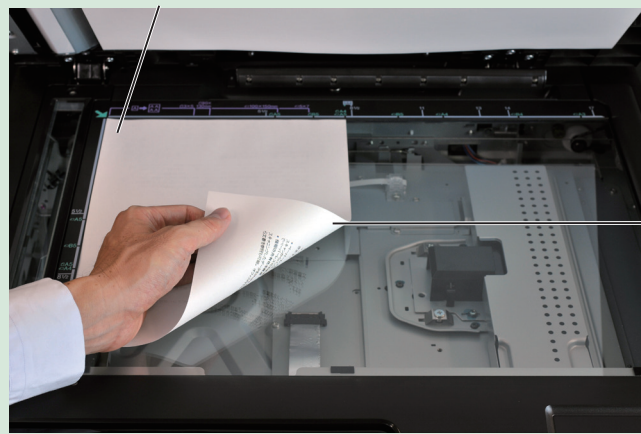
Align the edges

Place image-side up

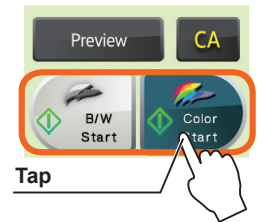
Place the original on the document glass



Align to corner



Print 1 set of copies



Tap

Place image-side down

Step 3 Scan

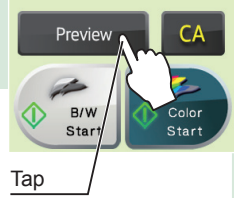
Step 4 Confirming while viewing the preview

Step 5 Start

Confirm the results of the scan and any edits or settings.

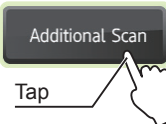
Enter the number of prints and start printing.

Scan the original



Tap

Scan another original

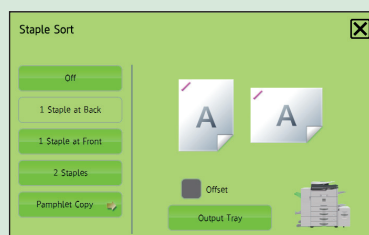


Tap

Confirmation Face up/down, orientation, missing pages, folded pages



Output settings



Editing

Page editing, deleting, etc.



Drag



Tap

Print

Document filing

The scanned original and the settings are saved on the hard disk and can be used again.