

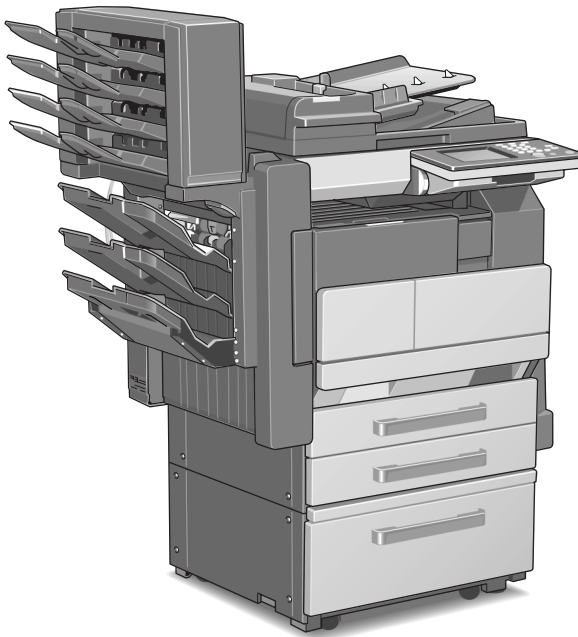


User Manual

[Advanced Operations]

The essentials of imaging

Di2010/Di2510/Di3010/Di3510



1

Read First

- Introduction
- Safety Information
- Precautions
- Auxiliary Functions
- Utility Mode Operations
- Administrator Management Operations
- Appendix

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Basic Operations

For details on the following topics, refer to the “Basic Operations” volume of this User Manual.

- 1 Introduction**
- 2 Available Features**
- 3 Before Making Copies**
- 4 Basic Copy Operations**
- 5 Copy Paper**
- 6 Original Documents**
- 7 Specifying Copy Settings**
- 8 Touch Panel Messages**
- 9 Troubleshooting**
- 10 Index**

Introduction

1

1.1 Introduction

Structure of the Manual

This manual is divided into two parts: Advanced Operations and Basic Operations.

The Advanced Operations volume of this User Manual contains precautions on the use of this copier. Be sure to read this volume before using the machine. The Basic Operations volumes of the User Manual contain information on the many functions available. After reading the User Manual, be sure to store it in a safe place for future reference.

- **Advanced Operations**
This volume provides precautions for using the machine, descriptions on the Auxiliary functions and on functions for use by the administrator (Utility Mode and Administrator Mode functions), procedures for replacing parts and supplies, troubleshooting procedures and machine specifications.
- **Basic Operations**
This volume contains precautions for using the machine and descriptions on the procedures for basic operations. The Basic Operations volume is a quick reference for immediate use of the copier.

1.2 Explanation of Manual Conventions

The marks and text formats used in this manual are described below.



WARNING

Failure to observe instructions highlighted in this manner may result in fatal or critical injuries.

→ Observe all warnings in order to ensure safe use of the copier.



CAUTION

Failure to observe instructions highlighted in this manner may result in serious injuries or property damage.

→ Observe all cautions in order to ensure safe use of the copier.



Note*

*(*May also appear as "Important" or "Tip")*

Text highlighted in this manner contains useful information and tips to ensure safe use of the copier.

1 The number 1 as formatted here indicates the first step of a sequence of actions.

2 Subsequent numbers as formatted here indicate subsequent steps of a sequence of actions.

? *Text formatted in this style provides additional assistance.*

→ Text formatted in this style describes the action that will ensure the desired results are achieved.

An illustration inserted here shows what operations must be performed.

[Copy] key

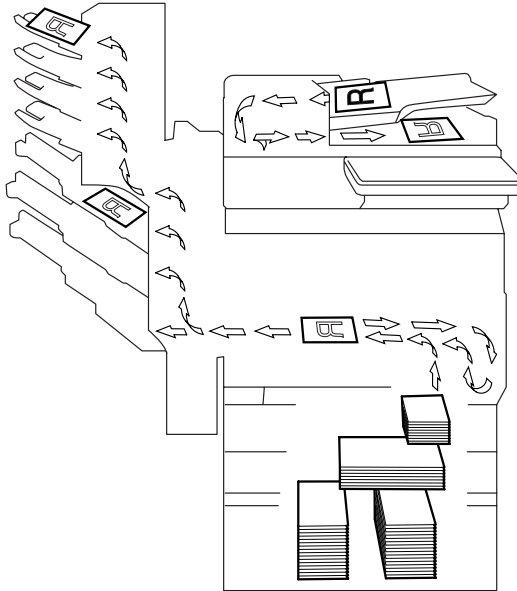
The names of keys on the control panel are written as shown above.

1.3 Explanation of Basic Concepts and Symbols

The use of words and symbols in this manual are explained below.

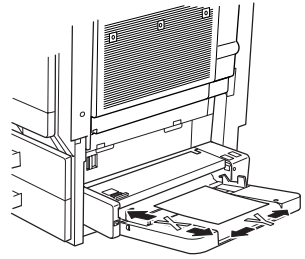
Paper Feeding


During printing, paper is supplied from the right side of the copier and fed into the output tray on top or the output option at the left with the printed surface of the page facing down. The paper feed direction is shown by the arrows in the diagram below.




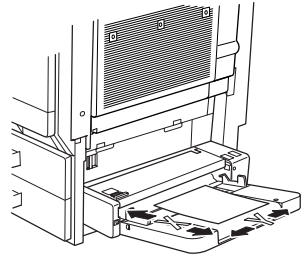
“Width” and “Length”


Whenever paper dimensions are mentioned in this manual, the first value always refers to the width of the paper (shown as “Y” in the illustration) and the second to the length (shown as “X”).


**Paper Orientation**

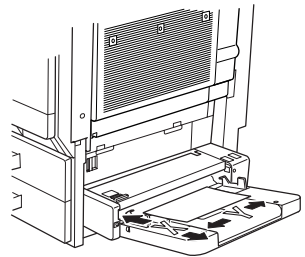
Lengthwise ()

If the width (Y) of the paper is shorter than the length (X), the paper has a vertical or portrait orientation, indicated by either “L” or .



Crosswise ()

If the width (Y) of the paper is longer than the length (X), the paper has a horizontal or landscape orientation, indicated by either “C” or .

**Portrait and Landscape**

Portrait



With the “portrait” orientation, the paper is vertical, like a portrait.

Landscape



With the “landscape” orientation, the paper is horizontal, like a landscape.

Display Icons



Plain paper



Thick paper



Overhead projector transparencies



Envelope

Paper Supply Icons

The icons shown below may appear, indicating that no more paper remains.

The paper is empty.



1.4 Energy Star®



As an ENERGY STAR® Partner, we have determined that this machine meets the ENERGY STAR® Guidelines for energy efficiency.

What is an ENERGY STAR® Product?

An ENERGY STAR® product has a special feature that allows it to automatically switch to a “low-power mode” after a period of inactivity. An ENERGY STAR® product uses energy more efficiently, saves you money on utility bills and helps protect the environment.

1.5 Recycled Paper (USA market only)

Your Minolta machine has been designed to use the following Recycled Paper.

Minolta Recycled Bond: Item No. 8925 701

20% Post Consumer Waste

***Safety
Information***

2

This section contains detailed instructions on the operation and maintenance of this machine. To achieve optimum utility of this device, all operators should carefully read and follow the instructions in this manual. Please keep this manual in a handy place near the machine.



Please read the next section before using this device. It contains important information related to user safety and preventing equipment problems.

Make sure you observe all of the precautions listed in this manual.

* Ver06

Please note that some parts of the contents of this section may not correspond with the purchased product.

2.1 Warning and Precaution Symbols

 WARNING:	Ignoring this warning could cause serious injury or even death.
 CAUTION:	Ignoring this caution could cause injury or damage to property.

2.2 Meaning of Symbols



A triangle indicates a danger against which you should take precaution.



This symbol warns against cause burns.



A diagonal line indicates a prohibited course of action.



This symbol warns against dismantling the device.











A black circle indicates an imperative course of action.



This symbol indicates you must unplug the device.

 **WARNING**

	<ul style="list-style-type: none"> Do not modify this product, as a fire, electrical shock, or breakdown could result. If the product employs a laser, the laser beam source could cause blindness. Do not attempt to remove the covers and panels which have been fixed to the product. Some products have a high-voltage part or a laser beam source inside that could cause an electrical shock or blindness.
	<ul style="list-style-type: none"> Use only the power cord supplied in the package. If a power cord is not supplied, only use the power cord and plug that is specified in POWER CORD INSTRUCTION. Failure to use this cord could result in a fire or electrical shock. Use the power cord supplied in the package only for this machine and NEVER use it for any other product. Failure to observe this precaution could result in a fire or electrical shock. Use only the specified power source voltage. Failure to do that could result in a fire or electrical shock. Do not use a multiple outlet adapter to connect any other appliances or machines. Use of a power outlet for more than the marked current value could result in a fire or electrical shock.
	<p>Do not unplug and plug in the power cord with a wet hand, as an electrical shock could result.</p>
	<p>Plug the power cord all the way into the power outlet. Failure to do this could result in a fire or electrical shock.</p>
	<ul style="list-style-type: none"> Do not scratch, abrade, place a heavy object on, heat, twist, bend, pull on, or damage the power cord. Use of a damaged power cord (exposed core wire, broken wire, etc.) could result in a fire or breakdown. Should any of these conditions be found, immediately turn OFF the power switch, unplug the power cord from the power outlet, and then call your authorized service representative. Do not use an extension cord, in principle. Use of an extension cord could cause a fire or electrical shock. Contact your authorized service representative if an extension cord is required.
	<p>Do not place a flower vase or other container that contains water, or metal clips or other small metallic objects on this product. Spilled water or metallic objects dropped inside the product could result in a fire, electrical shock, or breakdown. Should a piece of metal, water, or any other similar foreign matter get inside the product, immediately turn OFF the power switch, unplug the power cord from the power outlet, and then call your authorized service representative.</p>
	<ul style="list-style-type: none"> Do not keep using this product, if this product becomes inordinately hot or emits smoke, or unusual odor or noise. Immediately turn OFF the power switch, unplug the power cord from the power outlet, and then call your authorized service representative. If you keep on using it as is, a fire or electrical shock could result. Do not keep using this product, if this product has been dropped or its cover damaged. Immediately turn OFF the power switch, unplug the power cord from the power outlet, and then call your authorized service representative. If you keep on using it as is, a fire or electrical shock could result.
	<p>Do not throw the toner cartridge or toner into an open flame. The hot toner may scatter and cause burns or other damage.</p>



Connect the power cord to an electrical outlet that is equipped with a grounding terminal.

CAUTION



- Do not use flammable sprays, liquids, or gases near this product, as a fire could result.
- Do not leave a toner unit or drum unit in a place within easy reach of children. Licking or ingesting any of these things could injure your health.
- Do not let any object plug the ventilation holes of this product. Heat could accumulate inside the product, resulting in a fire or malfunction.
- Do not install this product at a site that is exposed to direct sunlight, or near an air conditioner or heating apparatus. The resultant temperature changes inside the product could cause a malfunction, fire, or electrical shock.
- Do not place the product in a dusty place, or a site exposed to soot or steam, near a kitchen table, bath, or a humidifier. A fire, electrical shock, or breakdown could result.
- Do not place this product on an unstable or tilted bench, or in a location subject to a lot of vibration and shock. It could drop or fall, causing personal injury or mechanical breakdown.
- After installing this product, mount it on a secure base. If the unit moves or falls, it may cause personal injury.
- Do not store toner units and PC drum units near a floppy disk or watch that are susceptible to magnetism. They could cause these products to malfunction.



The inside of this product has areas subject to high temperature, which may cause burns. When checking the inside of the unit for malfunctions such as a paper misfeed, do not touch the locations (around the fusing unit, etc.) which are indicated by a "CAUTION HOT" caution label.



Do not place any objects around the power plug as the power plug may be difficult to pull out when an emergency occurs.



The socket-outlet shall be installed near the machine and shall be easily accessible as the power plug may be difficult to pull out when an emergency occurs.



- Always use this product in a well ventilated location. Operating the product in a poorly ventilated room for an extended period of time could injure your health. Ventilate the room at regular intervals.
- Whenever moving this product, be sure to disconnect the power cord and other cables. Failure to do this could damage the cord or cable, resulting in a fire, electrical shock, or breakdown.
- When moving this product, always hold it by the locations specified in the User manual or other documents. If the unit falls it may cause severe personal injury. The product may also be damaged or malfunction.
- Remove the power plug from the outlet more than one time a year and clean the area between the plug terminals. Dust that accumulates between the plug terminals may cause a fire.
- When unplugging the power cord, be sure to hold onto the plug. Pulling on the power cord could damage the cord, resulting in a fire or electrical shock.

2.3 Precautions for Routine Use

	<ul style="list-style-type: none"> • Do not store toner units, PC drum units, and other supplies and consumables in a place subject to direct sunlight and high temperature and humidity, as poor image quality and malfunction could result. • Do not attempt to replace the toner unit and PC drum unit in a place exposed to direct sunlight. If the PC drum is exposed to intense light, poor image quality could result. • Do not unpack a toner unit or PC drum unit until the very time of use. Do not leave an unpacked unit standing. Install it immediately or poor image quality could result. • Do not keep toner units and PC drum units in an upright position or upside down, as poor image quality could result. • Do not throw or drop a toner unit or PC drum unit as poor image quality could result. • Do not use this product in an area where ammonia or other gases or chemicals are present. Failure to do so may shorten the service life of the product, cause damage or decrease performance. • Do not use this product in an environment with a temperature outside the range specified in the User manual, as a breakdown or malfunction could result. • Do not attempt to feed stapled paper, carbon paper or aluminum foil through this product, as a malfunction or fire could result.
	Do not touch or scratch the surface of the toner unit developing roller and the PC drum, as poor image quality could result.
	Use the supplies and consumables recommended by the dealer. Use of any supply or consumable not recommended could result in poor image quality and breakdown.

2.4 USER INSTRUCTIONS

FCC PART 15 - RADIO FREQUENCY DEVICES (For U.S.A. Users)

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

WARNING: The design and production of this unit conform to FCC regulations, and any changes or modifications must be registered with the FCC and are subject to FCC control. Any changes made by the purchaser or user without first contacting the manufacturer will be subject to penalty under FCC regulations.

This device must be used with shielded interface cables. The use of non-shielded cable is likely to result in interference with radio communications and is prohibited under FCC rules.

INTERFERENCE-CAUSING EQUIPMENT STANDARD (ICES-003 IS-SUE 3) (For Canada Users)

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

For Users in countries not subject to Class B regulations

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.

2.5 Laser Safety

This is a digital machine which operates using a laser. There is no possibility of danger from the laser provided the machine is operated according to the instructions in this manual.

Since radiation emitted by the laser is completely confined within protective housing, the laser beam cannot escape from the machine during any phase of user operation.

This machine is certified as a Class 1 laser product: This means the machine does not produce hazardous laser radiation.

Internal Laser Radiation

Maximum Average Radiation Power: 28.9 μ W at the laser aperture of the print head unit.

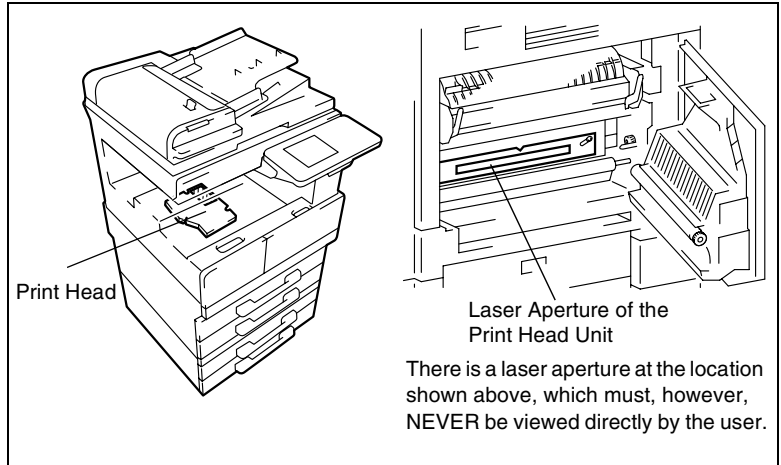
Wavelength: 770-795 nm

This product employs a Class 3b laser diode that emits an invisible laser beam.

The laser diode and the scanning polygon mirror are incorporated in the print head unit.

The print head unit is NOT A FIELD SERVICE ITEM:

Therefore, the print head unit should not be opened under any circumstances.



CDRH Regulation

This machine is certified as a Class 1 Laser product under Radiation Performance Standard according to the Food, Drug and Cosmetic Act of 1990. Compliance is mandatory for Laser products marketed in the United States and is reported to the Center for Devices and Radiological Health (CDRH) of the U.S. Food and Drug Administration of the U.S. Department of Health and Human Services (DHHS). This means that the device does not produce hazardous laser radiation.

The label shown on page 2-9 indicates compliance with the CDRH regulations and must be attached to laser products marketed in the United States.

CAUTION

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

This is a semiconductor laser. The maximum power of the laser diode is 5 mW and the wavelength is 770-795 nm.

For European Users

CAUTION

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

This is a semiconductor laser. The maximum power of the laser diode is 5mW and the wavelength is 770-795 nm.

For Denmark Users

ADVARSEL

Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling. Klasse 1 laser produkt der opfylder IEC60825 sikkerheds kravene.

Dansk: Dette er en halvlederlaser. Laserdiodens højeste styrke er 5mW og bølgelængden er 770-795 nm.

For Finland, Sweden Users

LOUKAN 1 LASERLAITE
KLASS 1 LASER APPARAT

VAROITUS!

Laitteen Käyttäminen muulla kuin tässä käyttöohjeessa mainitulla tavalla saattaa altistaa käyttäjän turvallisuusluokan 1 ylittävälle näkymättömälle lasersäteilylle.

Tämä on puolijohdelaser. Laserdiodin sunrin teho on 5mW ja aallonpituus on 770-795 nm.

WARNING!

Om apparaten används på annat sätt än i denna bruksanvisning specificerats, kan användaren utsättas för osynlig laserstrålning, som överskrider gränsen för laserklass 1.

Det här är en halvledarlaser. Den maximala effekten för laserdioden är 5mW och våglängden är 770-795 nm.

VARO!

Avattaessa ja suojalukitus ohitettaessa olet alltiina näkymättömälle lasersäteilylle. Älä katso säteeseen.

WARNING!

Osynlig laserstrålning när denna del är öppnad och spärren är urkopplad. Betrakta ej strålen.

For Norway Users

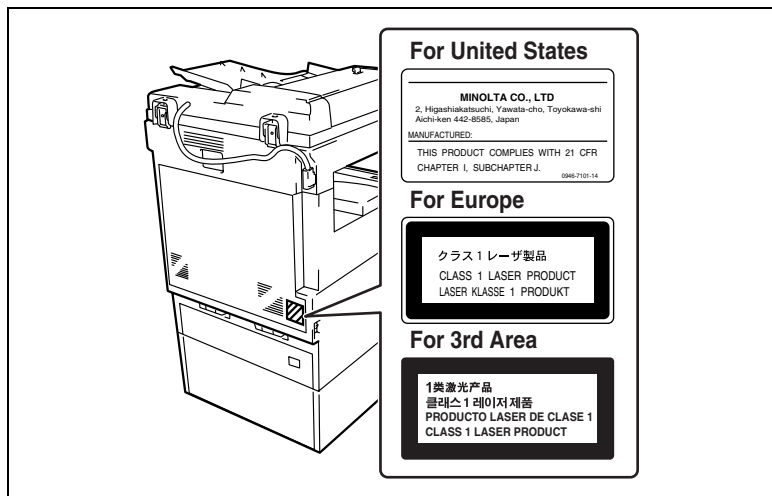
ADVERSEL

Dersom apparatet brukes på annen måte enn spesifisert i denne bruksanvisning, kan brukeren utsettes for usynlig laserstråling som overskrider grensen for laser klass 1.

Dette en halvleder laser. Maksimal effekt till laserdiode er 5mW og bølgelengde er 770-795 nm.

Laser Safety Label

A laser safety label is attached to the outside of the machine as shown below.



Ozone Release



CAUTION

Locate the Machine in a Well Ventilated Room

- A negligible amount of ozone is generated during normal operation of this machine. An unpleasant odor may, however, be created in poorly ventilated rooms during extensive machine operations. For a comfortable, healthy, and safe operating environment, it is recommended that the room well ventilated.

REMARQUE

= Placer l'appareil dans une pièce largement ventilée =
Une quantité d'ozone négligable est dégagée pendant le fonctionnement de l'appareil quand celui-ci est utilisé normalement. Cependant, une odeur désagréable peut être ressentie dans les pièces dont l'aération est insuffisante et lorsque une utilisation prolongée de l'appareil est effectuée. Pour avoir la certitude de travailler dans un environnement réunissant des conditions de confort, santé et de sécurité, il est préférable de bien aérer la pièce où se trouve l'appareil.

Acoustic Noise

For European Users

Machine Noise Regulation 3 GSGV, 18.01.1991 : The sound pressure level at the operator position according to EN 27779 is equal to or less than 70dB(A).

Precautions

3

3.1 Installation Precautions

Installation Site

To ensure utmost safety and prevent possible malfunctions, install the copier in a location that meets the following requirements.

- A location away from curtains, etc. that may catch fire and burn easily
- A location that is not exposed to water or other liquids
- A location free from direct sunlight
- A location out of the direct airflow of an air conditioner or heater, and not exposed to extremely high or low temperatures
- A well-ventilated location
- A location that is not exposed to high humidity
- A location that is not extremely dusty
- A location not subjected to undue vibrations
- A stable and level location
- A location where ammonia or other organic gases are not generated
- A location that does not put the operator in the direct airflow of exhaust from the copier
- A location that is not near any kind of heating devices

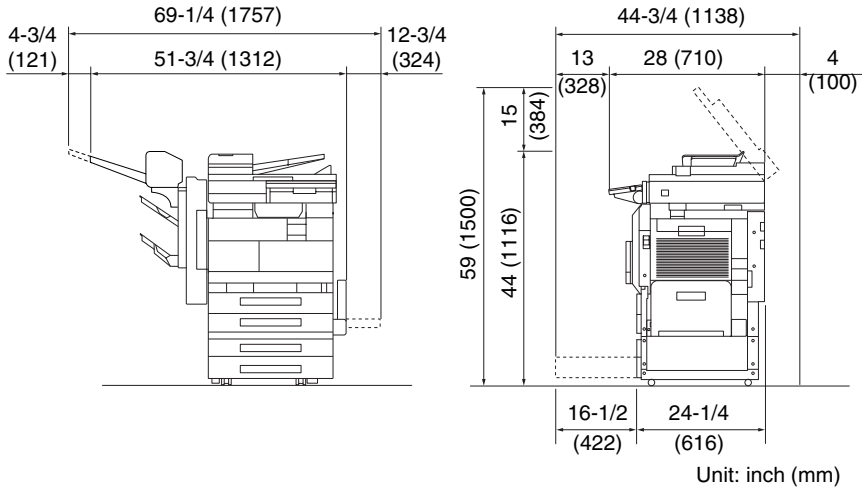
Power Source

The power source requirements are as follows.

- Voltage fluctuation: Maximum $\pm 10\%$ (127 V: +6%, -10%)
- Frequency fluctuation: Maximum ± 0.3 Hz
 - Use a power source with as little voltage or frequency fluctuations as possible.

Space Requirements

To ensure easy machine operation, supply replacement, and maintenance, adhere to the recommended space requirements detailed below.



Note

Be sure to allow a clearance of 4 in. (100 mm) or more at the back of the copier for the ventilation duct.

3.2 Operation Precautions

Operating environment

The environmental requirements for correct operation of the copier are as follows.

- Temperature: 59°F (15°C) to 95°F (35°C) with fluctuations of no more than 18°F (10°C) within an hour
- Humidity: 15% to 85% with fluctuations of no more than 10% within an hour

Proper use

To ensure the optimum performance of the copier, follow the precautions listed below.

- Never place heavy objects on the original glass or subject it to shocks.
- Never open any copier doors or turn off the copier while it is making copies; otherwise, a paper jam will occur.
- Never bring any magnetized object or use flammable sprays or liquids near the copier.
- + Always make sure that the power plug is completely plugged into the electrical outlet.
- Always make sure that the copier's power plug is visible and not hidden by the copier.
- + Always unplug the copier from the electrical outlet if the unit is not to be used for a long period of time.
- + Always provide good ventilation when making a large number of continuous copies.

**CAUTION**

If the ventilation duct at the top of the copier becomes blocked, the inside of the copier will accumulate heat, resulting in a malfunction or fire.

- Do not place any objects over the ventilation duct.

**CAUTION**

The area around the fusing unit is extremely hot.

- Be careful not to touch any parts around the fusing unit, other than those indicated in this manual, in order to reduce the risk of burns. Be especially careful not to touch parts marked with warning labels, and their surrounding areas.
- If you get burnt, immediately cool the skin under cold water, and then seek professional medical advice.

Transporting the copier

If you need to transport the copier over a long distance, consult your technical representative.

Care of copier supplies

Use the following precautions when handling the copier supplies (toner cartridge, paper, etc.).

- + Store the supplies in a location that meets the following requirements.
 - Free from direct sunlight
 - Away from any heating apparatus
 - Not subjected to high humidity
 - Not extremely dusty
- + Store in a sealed plastic bag in a cool, dark place paper that has been removed from its wrapper but not loaded into the copier.
- Only use toner that has been manufactured specifically for this copier. Never use other types of toner.
- Keep all supplies out of the reach of children.



CAUTION**Precautions for handling toner:**

- Be careful not to spill toner inside the copier or get toner on your clothes or hands.
 - If your hands become soiled with toner, immediately wash them with soap and water.
 - If toner gets in your eyes, immediately flush them with water, and then seek professional medical advice.
-

Storage of copies

- + Copies that are to be kept for a long time should be kept where they are not exposed to light in order to prevent them from fading.
- Adhesive that contains solvent (e.g., spray glue) may dissolve the toner on copies.

3.3 Legal Restrictions on Copying

Certain types of documents must never be copied with the purpose or intent to pass copies of such documents off as the originals.

The following is not a complete list, but is meant to be used as a guide to responsible copying.

<Financial Instruments>

- Personal checks
- Travelers checks
- Money orders
- Certificates of deposit
- Bonds or other certificates of indebtedness
- Stock certificates

<Legal Documents>

- Food stamps
- Postage stamps (canceled or uncanceled)
- Checks or drafts drawn by government agencies
- Internal revenue stamps (canceled or uncanceled)
- Passports
- Immigration papers
- Motor vehicle licenses and titles
- House and property titles and deeds

<General>

- Identification cards, badges, or insignias
- Copyrighted works without permission of the copyright owner

In addition, it is prohibited under any circumstances to copy domestic or foreign currencies, or works of art without permission of the copyright owner.

When in doubt about the nature of a document, consult with legal counsel.

***Auxiliary
Functions***

4

This chapter contains descriptions on making copies using the Auxiliary functions.

4.1 “Cover Mode” Function

Adding Cover Pages

When two or more sheets are being copied, cover pages using paper other than the document paper can be added.



Note

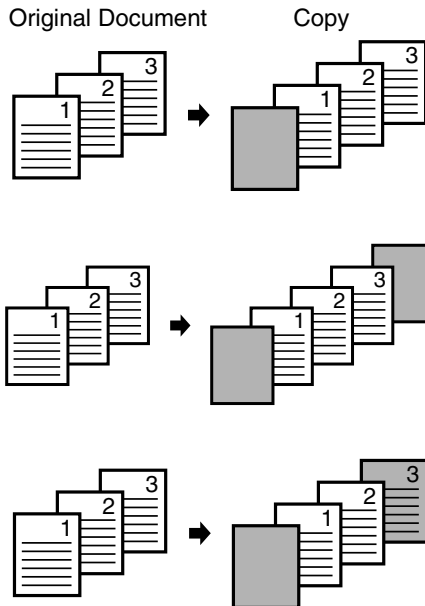
Load the paper for the cover pages into a paper drawer different than the drawer that contains the paper for the document.

Load paper for the cover pages with the same orientation and size as the paper for the document.

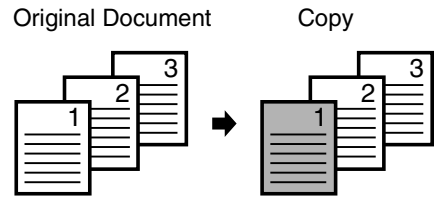
The optional duplexing document feeder must be installed.

Cover Mode settings

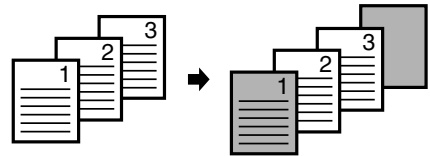
- Front Cover: Blank
Back Cover: None
- Front Cover: Blank
Back Cover: Blank
- Front Cover: Blank
Back Cover: With Image



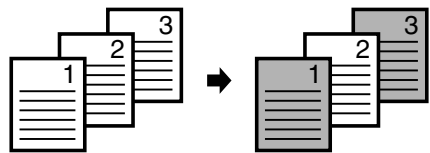
- Front Cover: With Image
Back Cover: None



- Front Cover: With Image
Back Cover: Blank

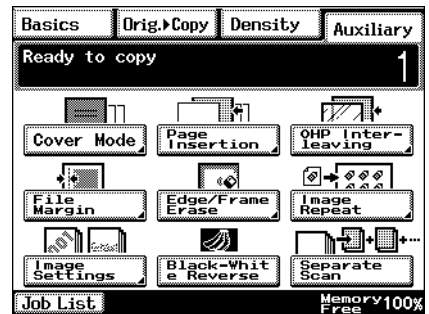


- Front Cover: With Image
Back Cover: With Image

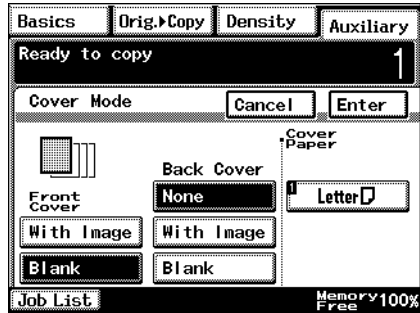


To make settings for the “Cover Mode” function

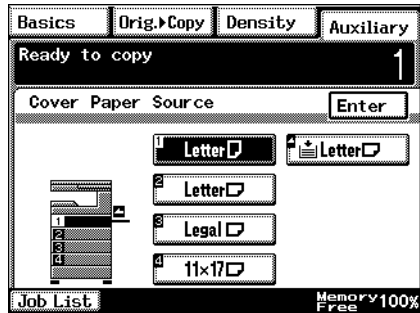
- 1 Load the document into the duplexing document feeder.
- 2 Touch [Auxiliary], and then touch [Cover Mode].



- 3 Select the desired Front Cover and Back Cover settings, and then touch the button below “Cover Paper”.



- 4 Select the paper drawer that contains the paper for the cover pages, and then touch [Enter].



- 5 Touch [Enter].
- If [Cancel] is touched, the setting is cancelled.
- 6 Press the [Start] key.
- The copies are printed.

4.2 “Page Insertion” Function

Inserting Pages (Interleaves) Between Copies

When two or more sheets are being copied, paper (interleaves) other than the document paper can be inserted.



Tip

At the locations where you wish to insert interleaves, insert paper with a different orientation or size as the paper for the original, and then load the document into the duplexing document feeder.

Load the paper for the interleaves into a paper drawer different than the drawer that contains the paper for the document.

Load the paper for the interleaves with the same orientation and size as the paper for the document.

This function can be used together with the “Cover Mode” function.

This function cannot be used together with booklet-printing and mixed original sizes.

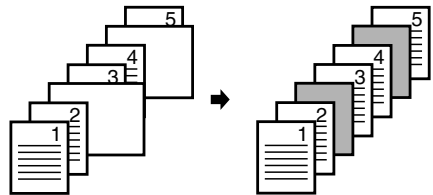


Note

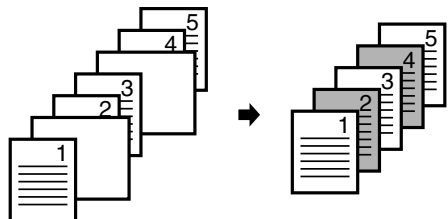
The optional duplexing document feeder must be installed.

Paper Insertion settings

- Blank

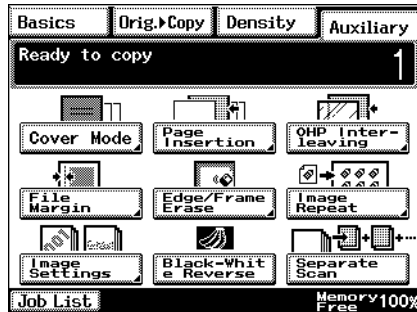


- With Image

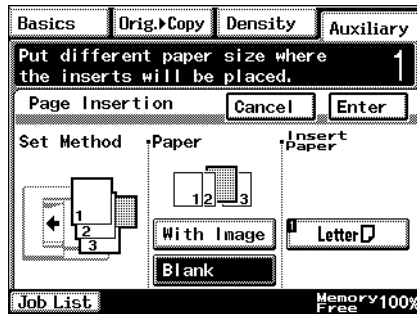


To make settings for the “Page Insertion” function

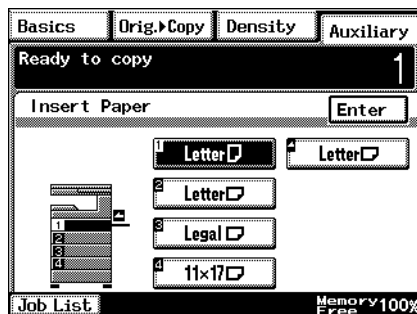
- 1 Load the document into the duplexing document feeder.
- 2 Touch [Auxiliary], and then touch [Page Insertion].



- 3 Select either the [With Image] or the [Blank] Page Insertion setting, and then touch the button below “Insert Paper”.



- 4 Select the paper drawer that contains the paper for the interleaves, and then touch [Enter].



- 5 Touch [Enter].
 - If [Cancel] is touched, the setting is cancelled.
- 6 Press the [Start] key.
The copies are printed.

4.3 “OHP Interleaving” Function

Inserting Pages Between Copies of Transparencies

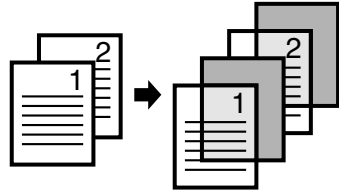
When copying overhead projector transparencies, paper (interleaves) can be inserted between copies of the transparencies.

**Tip**

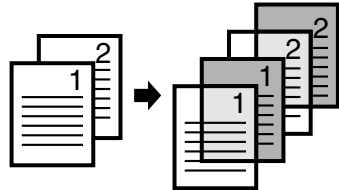
Load the paper for the interleaves into a paper drawer, and load the overhead projector transparencies into the multiple bypass tray.

OHP Interleaving settings

- Blank

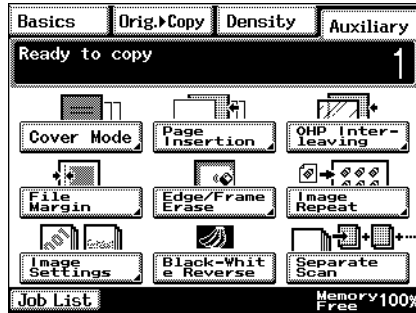


- With Image

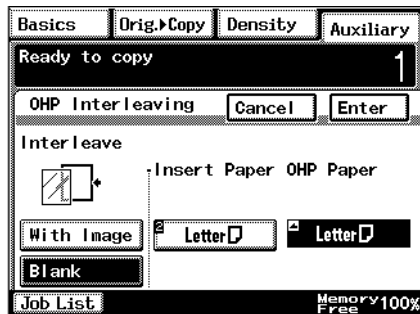


To make settings for the “OHP Interleaving” function

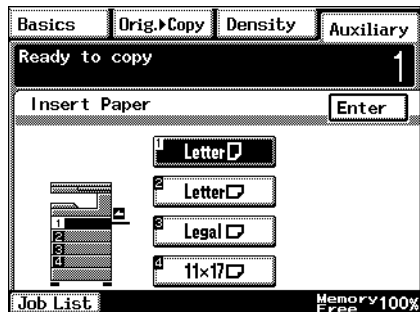
- 1 Load the document into the duplexing document feeder or position it on the original glass.
- 2 Touch [Auxiliary], and then touch [OHP Interleaving].



- 3 Select either the [With Image] or the [Blank] OHP Interleaving setting, and then touch the button below “Insert Paper”.



- 4 Select the paper drawer that contains the paper for the transparency interleaves, and then touch [Enter].



5 Touch [Enter].

- If [Cancel] is touched, the setting is cancelled.

6 Press the [Start] key.

The copies are printed.

4.4 “File Margin” Function

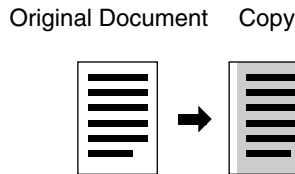
Making Copies With Binding Margins

Copies can be made with binding margins and the image shifted to the side so that the text is not hidden when the copies are bound.

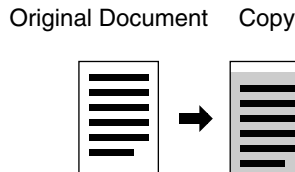
File Margin settings

- The position of the binding margin can be at the left side or at the top of the paper.
- The width of the binding margin can be specified.

The image of the document is shifted to the right to make a margin along the left edge of the copy.

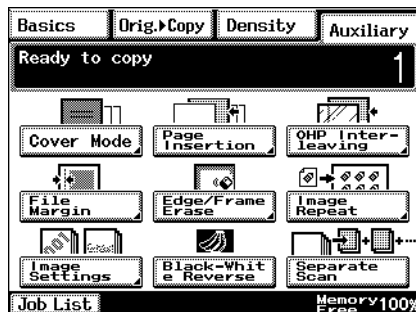


The image of the document is shifted to the bottom to make a margin along the top edge of the copy.

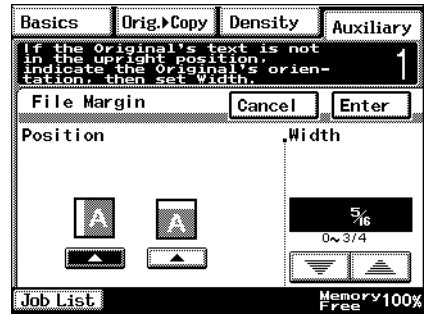


To make settings for the “File Margin” function

- 1 Load the document into the duplexing document feeder or position it on the original glass.
- 2 Touch [Auxiliary], and then touch [File Margin].

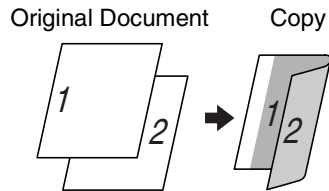


- 3 Select the desired File Margin setting.

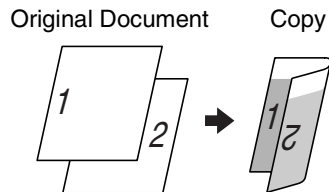




Tip

If the setting for the left binding position is selected for double-sided copying, the front and back sides of the page will be printed with the same orientation.



If the setting for the top binding position is selected for double-sided copying, the back side of the page is printed upside down.



- 4 Touch  and  to specify the width of the binding margin, and then touch [Enter].
 - If [Cancel] is touched, the setting is cancelled.
- 5 Press the [Start] key.
The copies are printed.

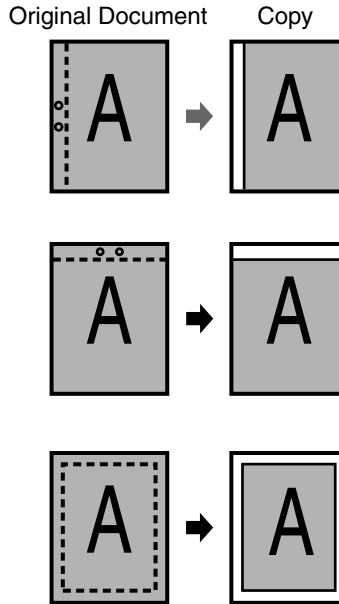
4.5 “Edge/Frame Erase” Function

Erasing Sections of Copies

When copying documents with punch holes, the pages can be printed with part of the document erased.

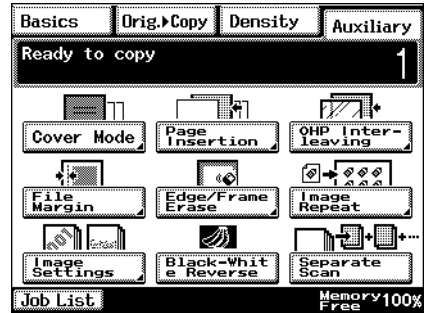
Edge/Frame Erase settings

- The left side of the document is erased.
- The top edge of the document is erased.
- A frame around the document is erased.

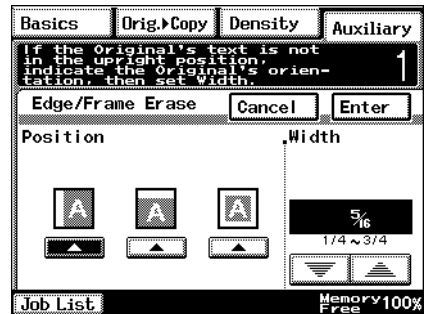




To make settings for the “Edge/Frame Erase” function

- 1 Load the document into the duplexing document feeder or position it on the original glass.
- 2 Touch [Auxiliary], and then touch [Edge/Frame Erase].



- 3 Select the desired Edge/Frame Erase setting.



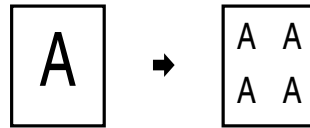
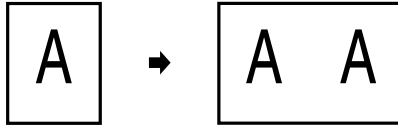
- 4 Touch  and  to specify the width of the erased area, and then touch [Enter].
 - If [Cancel] is touched, the setting is cancelled.
- 5 Press the [Start] key.
The copies are printed.

4.6 “Image Repeat” Function

Printing Multiple Copies of the Same Document Page on One Sheet

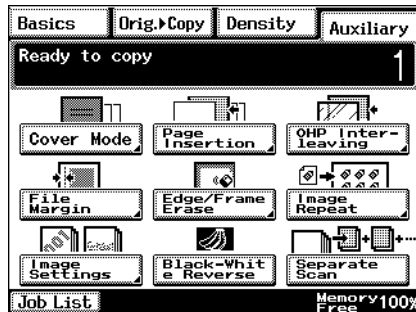
The “Image Repeat” function can be used as shown below.

- To copy a Letter-size page at full size onto an 11 × 17-size sheet of paper
- To reduce a Letter-size page and print multiple copies onto a Letter-size sheet of paper



To make settings for the “Image Repeat” function

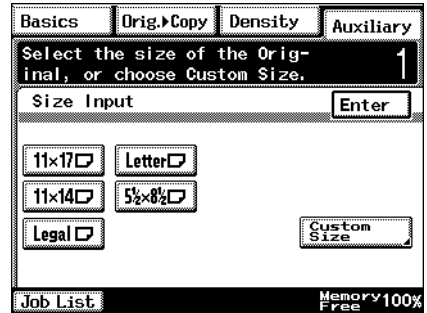
- 1 Load the document into the duplexing document feeder or position it on the original glass.
- 2 Touch [Auxiliary], and then touch [Image Repeat].



- 3 Touch [Size Input].
 - To automatically detect the document size, touch [Auto Detect].



- 4 Select the size of the document.
 - If the document has a non-standard size, touch [Custom Size], and then specify the size of the document.

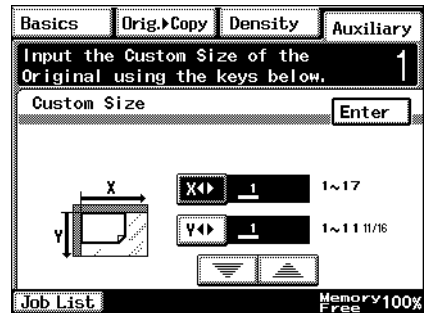


- 5 Touch [X↔]. Then, touch [▼] and [▲] to select the length of side X for the paper that is loaded.

- Touch [X↔] until the cursor moves below the fraction that you wish to change.

- 6 Touch [Y↔]. Then, touch [▼] and [▲] to select the length of side Y for the paper that is loaded.

- Touch [Y↔] until the cursor moves below the fraction that you wish to change.



- 7 Touch [Enter].
 - If [Cancel] is touched, the setting is cancelled.
- 8 Press the [Start] key.
The copies are printed.

4.7 “Distribution #” Function

Printing Distribution Numbers on Sets of Copies

Each set of copies can be printed with a distribution number added to the background.

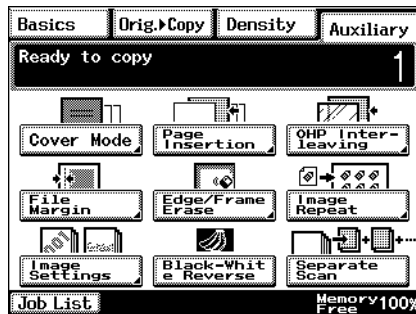


Tip

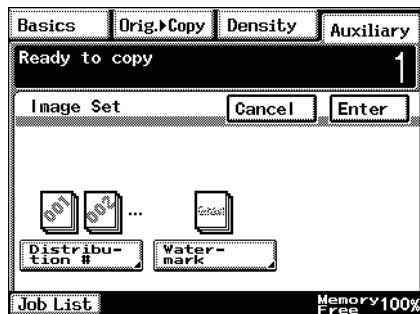
If the “Distribution #” function is used, the “Sort” Finishing setting is selected. After “999” is printed, the number returns to “000”.

To make settings for the “Distribution #” function

- 1 Load the document into the duplexing document feeder or position it on the original glass.
- 2 Touch [Auxiliary], and then touch [Image Settings].



- 3 Touch [Distribution #].



4 Specify the desired Distribution # settings.

- Using the 10-Key Pad, type in the first distribution number to be printed.
- If [First page only] is selected, the distribution number is only printed on the first page of each copy set.
- If [All Pages] is selected, the distribution number is printed on all pages of each copy set.
- Touch [Darker], [Normal] or [Lighter] to specify the print density for the distribution number.



5 Touch [Enter].

- If [Cancel] is touched, the setting is cancelled.

6 Press the [Start] key.

The copies are printed.

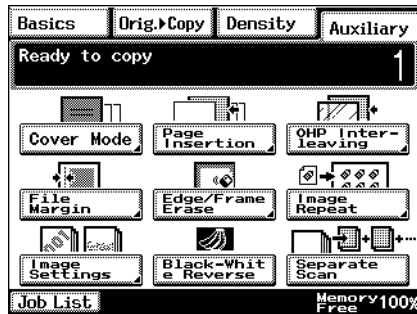
4.8 “Watermark” Function

Printing Copies with a Watermark

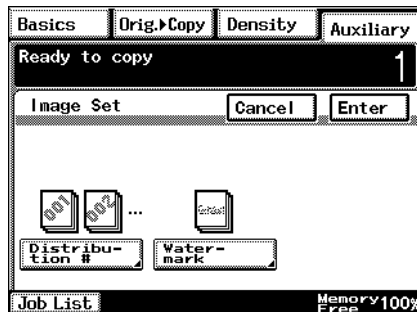
Copies can be printed with a watermark added to the background.

To make settings for the “Watermark” function

- 1 Load the document into the duplexing document feeder or position it on the original glass.
- 2 Touch [Auxiliary], and then touch [Image Settings].



- 3 Touch [Watermark].



- 4 Select the watermark to be printed and the pages that the watermark will be added to.

- If [First page only] is selected, the watermark is only printed on the first page of each copy set.
- If [All Pages] is selected, the watermark is printed on all pages.



- 5 Touch [Enter].

- If [Cancel] is touched, the setting is cancelled.

- 6 Press the [Start] key.

The copies are printed.

4.9 “Image Stamping” Function

With this function, copies can be printed with a watermark of a scanned image added to the background.

Refer to “Registering an Image Stamp” on page 5-31 for registration methods.

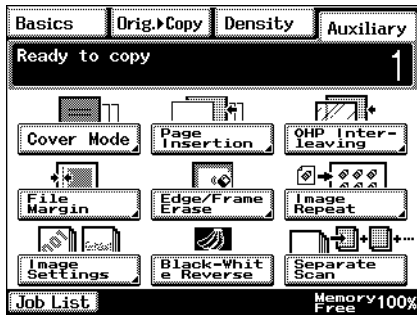


Note

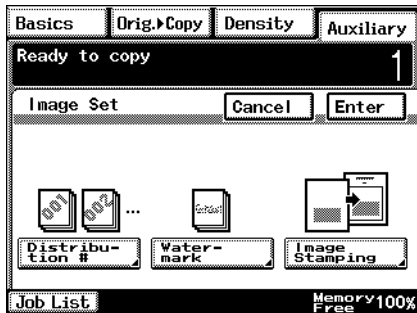
The optional hard disk must be installed.

To make copies using the “Image Stamping” function

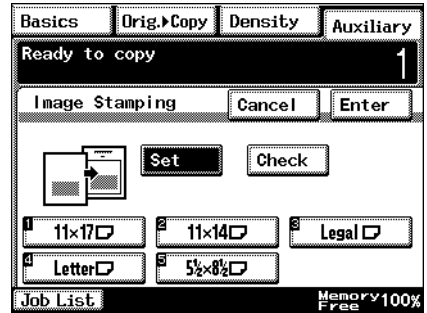
- 1 Load the document into the duplexing document feeder or position it on the glass.
- 2 Touch [Auxiliary], and then touch [Image Settings].



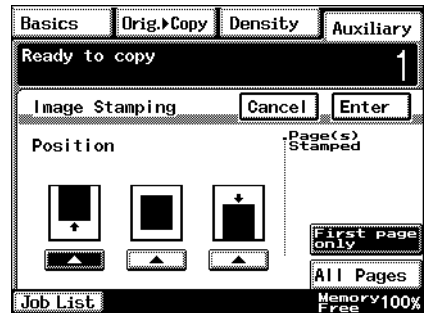
- 3 Touch [Image Stamping].



- 4 Touch [Set], select the registration number to be used, and then touch [Enter].
- You can check this by selecting [Check], pressing the [Start] key, and copying the registered image.



- 5 Select the desired printing position.
- If [First page only] is selected, the image is only printed on the first page.
 - If [All Pages] is selected, the image is printed on all pages.

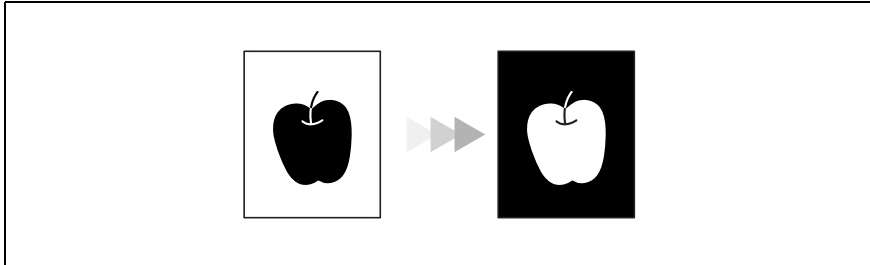


- 6 Touch [Enter].
- If [Cancel] is touched, the setting is cancelled.
- 7 Press the [Start] key.
The copies are printed.

4.10 “Black-White Reverse” Function

Reversing White- and Black-Colored Areas of Copies

Copies can be printed with the white- and black-colored areas of the original image reversed.



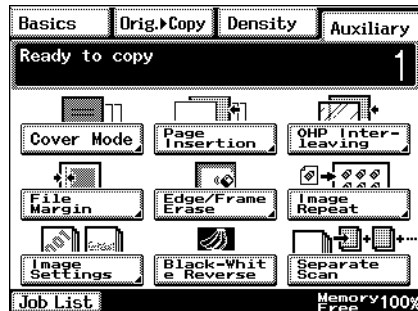
Tip

The white and black colors of the distribution number and watermark will not be reversed.

The white and black colors of the original cannot be reversed after the document has been scanned.

To set the “Black-White Reverse” function

- 1 Load the document into the duplexing document feeder or position it on the original glass.
- 2 Touch [Auxiliary], and then touch [Black-White Reverse].



- 3 Press the [Start] key.
The copies are printed.

4.11 “Separate Scan” Function

Scanning a Document in Separate Batches

When copying a document with a large number of pages, the document can be divided and scanned in separate batches, and then it can be printed as a single document.

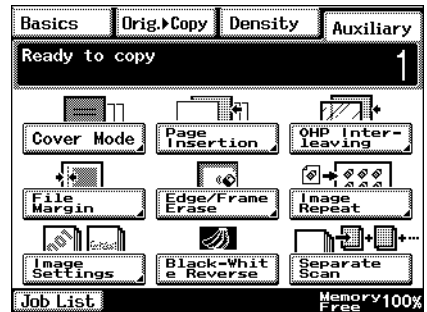


Tip

If the memory becomes full while scanning, scanning is stopped. If this occurs, press the [Start] key to print the pages that were scanned before scanning was stopped.

To make copies using the “Separate Scan” function

- 1 Load the document into the duplexing document feeder or position it on the original glass.
- 2 Touch [Auxiliary], and then touch [Separate Scan].



- 3 Press the [Start] key.
The document is scanned.
- 4 After the first document batch is scanned, load the second document batch into the duplexing document feeder or position it on the original glass, and then press the [Start] key.
- 5 After all document batches have been scanned, touch [Finish].
- 6 Press the [Start] key.
The copies are printed.

*Utility Mode
Operations*

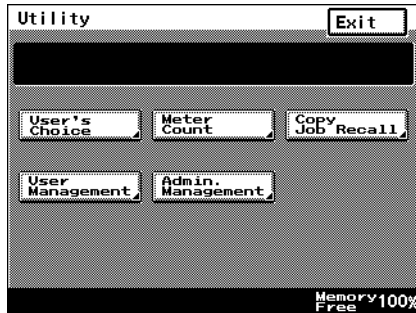
5

5.1 Utility Mode Screens

This chapter contains descriptions on the various copy programs and settings available in the Utility mode.

Utility screen

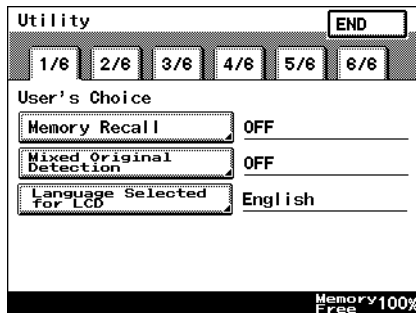
This screen appears when the [Utility] key is pressed.



The following screens appear when the corresponding button is touched.

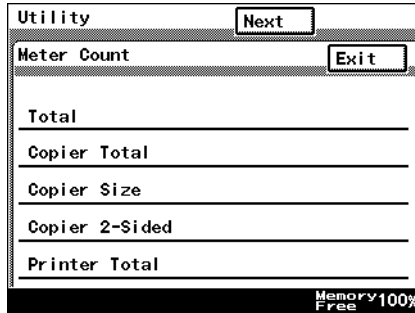
User's Choice screen

This screen provides functions for specifying various default settings for the copier.



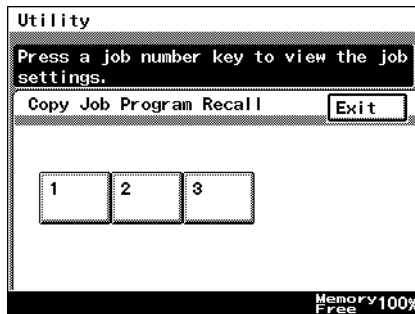
Meter Count screen

This screen shows the total number of copies printed since the copier was installed.



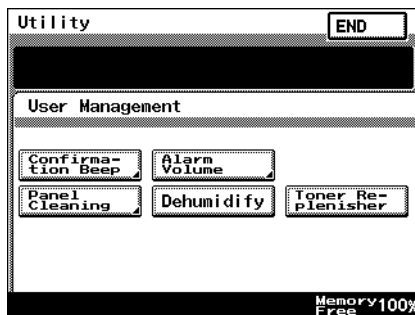
Copy Job Program Recall screen

From this screen, a programmed copy job can be recalled.



User Management screen

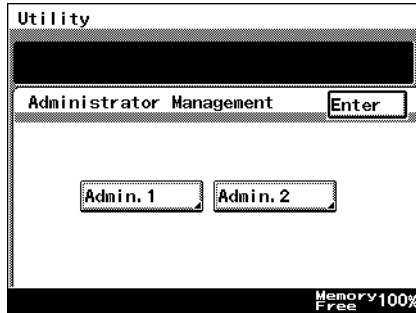
This screen provides various functions for safely and correctly using the copier.



Administrator Management screens

There are two screens: Administrator Management 1 and Administrator Management 2. The administrator access code must be entered before these screens can be displayed.

For details on the functions available from the Administrator Management screens, refer to “6 Administrator Management Operations”.





5.2 User's Choice Functions

The functions available on the User's Choice screen are described below.

Changing the settings for the following functions changes the default setting (the setting selected after the copier is turned on or the [Panel Reset] key is pressed).

The underlined settings indicate the default settings.

Tab	Function	Settings
1/6	Memory Recall	ON, <u>OFF</u>
	Mixed Original Detection	ON, <u>OFF</u>
	Language Selected for LCD	Japanese, <u>English</u> , Spanish, French
2/6	Original ► Copy Default	1-Sided ► 2-Sided, 2-Sided ► 2-Sided, <u>1-Sided ► 1-Sided</u>
	Auto Paper/Auto Size	<u>Auto Paper</u> , Auto Size, Manual
	Drawer Priority	<u>1st paper drawer</u>
	Special Paper	<u>Normal</u> , Not for 2 Sided, Recycled, Special
	Multiple-in-1 and Booklet Copy Zoom	<u>ON</u> , OFF
3/6	Energy Save Mode	1 to 240 minutes, <u>15 minutes</u>
	Sleep Mode Setting	1 to 240 minutes, <u>15 minutes</u>
	LCD Back-light Off	1 to 240 minutes, <u>1 minute</u>
	Auto Panel Reset	No Reset, 30 seconds, <u>1 min</u> , 2 min, 3 min, 5 min
	Plug-In Counter, ID key Reset	<u>ON</u> , OFF
4/6	4in1 Copy Order	
	Density Priority	<u>Auto</u> , Manual Text, Photo, <u>Text/Photo</u>
	Default Copy Output Levels	Auto (Lighter, <u>Normal</u> , Darker) Manual  One of nine settings between "Lighter" and "Darker" can be selected.
	Printing Density	-2, -1, <u>0</u> , 1, 2
	Output Priority	<u>Non-Sort</u> , Sort, Group, Corner Staple*, 2-Point Staple*, Hole Punch* *Options

Tab	Function	Settings
5/6	Intelligent Sorting	<u>ON</u> , OFF
	Output Tray	Specify the bin of the finisher (option).
	"Small" Originals	ON, <u>OFF</u>
	Scanner Dry	Specify the time for dehumidifying the scanner.
	Crease/Center Staple	Crease (-10 to +10, <u>0</u>) Center staple (-10 to +10, <u>0</u>)
6/6	Density (ADF only)	Mode 1, <u>Mode 2</u>

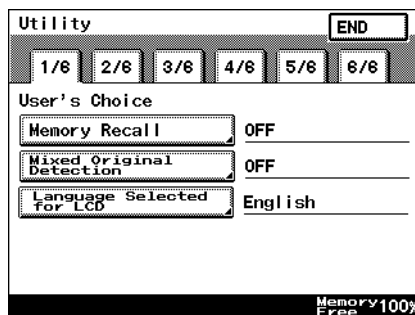
5.3 Changing Default Settings

The procedures for changing each of the User's Choice settings are described below.

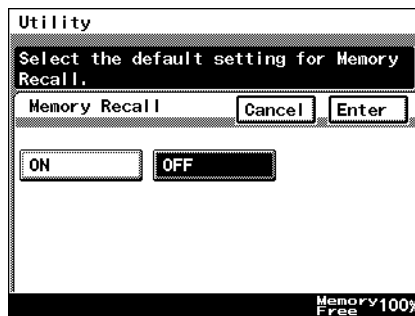
To set the "Memory Recall" function

This function is used to specify whether or not the last image copied can be recalled and printed again.

- 1 Press the [Utility] key.
- 2 Touch [User's Choice].
- 3 Touch [1/6], and then touch [Memory Recall].



- 4 Touch [ON] or [OFF], and then touch [Enter].
 - If [ON] is selected, the previously copied image data can be printed again, even after copying has finished or while the copier is in stand-by.

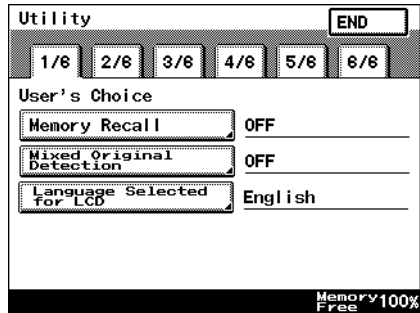


- 5 Touch [END] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

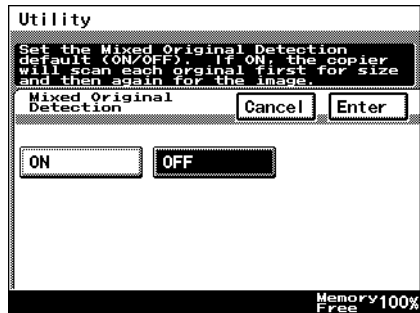
To set the “Mixed Original Detection” function

This function is used to specify whether or not the “Mixed Original Detection” function is set as the default.

- 1 Press the [Utility] key.
- 2 Touch [User's Choice].
- 3 Touch [1/6], and then touch [Mixed Original Detection].



- 4 Touch [ON] or [OFF], and then touch [Enter].

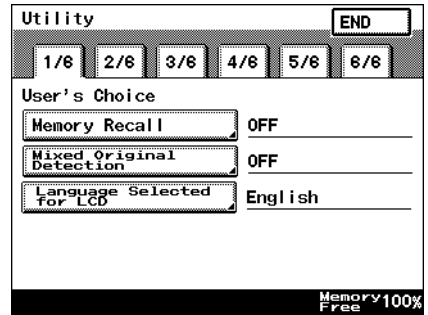


- 5 Touch [END] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

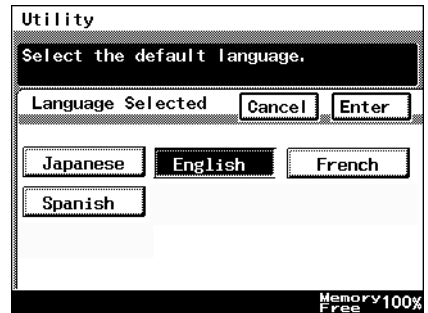
To set the “Language Selected for LCD” function

This function is used to specify the language for the screens that appear in the touch panel.

- 1 Press the [Utility] key.
- 2 Touch [User's Choice].
- 3 Touch [1/6], and then touch [Language Selected for LCD].



- 4 Select the desired language, and then touch [Enter].

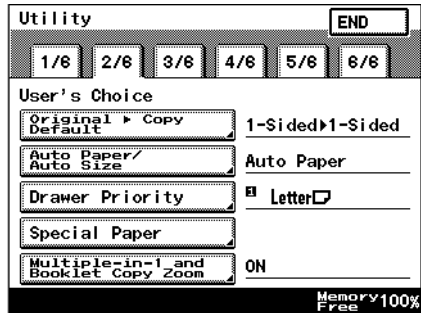


- 5 Touch [END] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

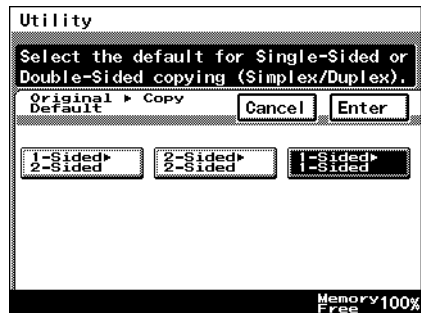
To set the “Original ▶ Copy Default” function

The function specifies the default Orig. ▶ Copy setting.

- 1 Press the [Utility] key.
- 2 Touch [User’s Choice].
- 3 Touch [2/6], and then touch [Original ▶ Copy Default].



- 4 Select the desired setting, and then touch [Enter].

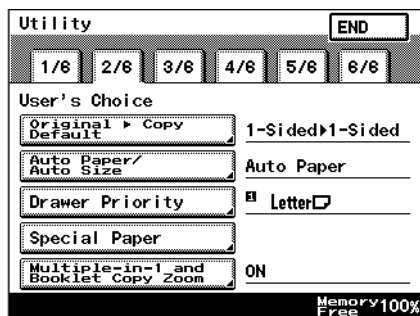


- 5 Touch [END] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

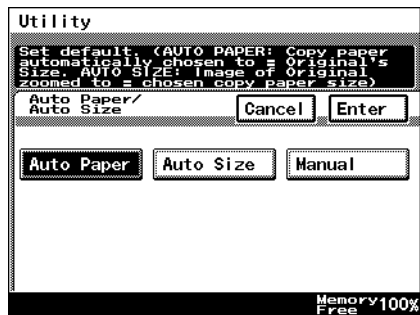
To set the “Auto Paper/Auto Size” function

This function is used to specify whether the “Auto Paper” Paper setting, the “Auto Size” Zoom setting or the “Manual” setting is set as the default.

- 1 Press the [Utility] key.
- 2 Touch [User's Choice].
- 3 Touch [2/6], and then touch [Auto Paper/Auto Size].



- 4 Select the desired setting, and then touch [Enter].



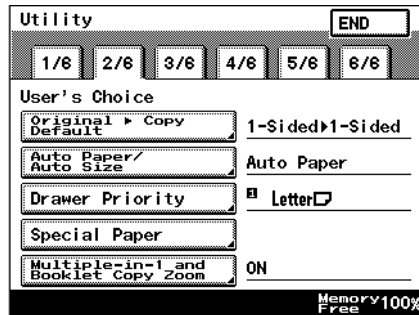
- 5 Touch [END] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

To set the “Drawer Priority” function

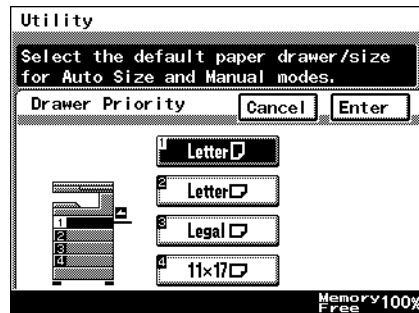
You can specify the priority of the paper that is selected (paper drawer).

For example, if you specify a paper drawer for paper that you use frequently, (recycled paper, single-sided only paper, etc.), that drawer will have priority when supplying paper. However, this function will not operate when there are settings such as auto paper selection, or where paper is limited.

- 1 Press the [Utility] key.
- 2 Touch [User's Choice].
- 3 Touch [2/6], and then touch [Drawer Priority].



- 4 Select the desired paper drawer, and then touch [Enter].



- 5 Touch [END] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

To set the “Special Paper” function

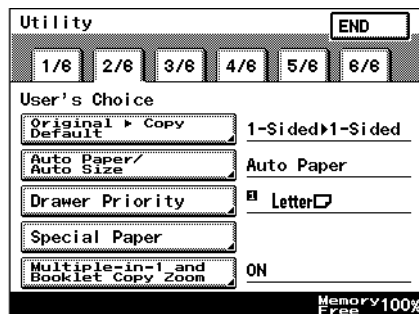
This function is used to specify the default paper type for a paper drawer when special paper, for example, recycled paper, is loaded into a particular paper drawer.



Tip

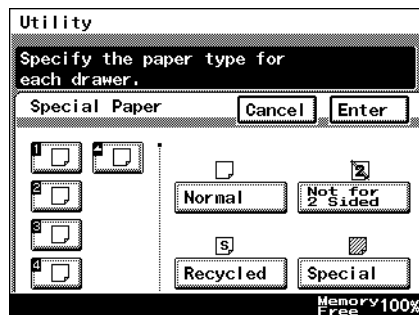
If a particular paper drawer is set to be loaded with special paper, the paper in that paper drawer will not be selected during automatic paper selection.


- 1 Press the [Utility] key.
- 2 Touch [User's Choice].
- 3 Touch [2/6], and then touch [Special Paper].



- 4 Select the paper drawer loaded with special paper, select the paper type, and then touch [Enter].

- : Recycled Paper
Selecting this mode means that when auto paper selection is selected, that paper tray will not be selected.
For example, when plain paper and recycled paper are both able to be used, but where plain paper is mainly used, selecting this mode will mean that plain paper will have priority when being used.
- : Not for 2 Sided paper
Selecting this mode will mean that double sided copies on paper in that paper tray will not be possible.

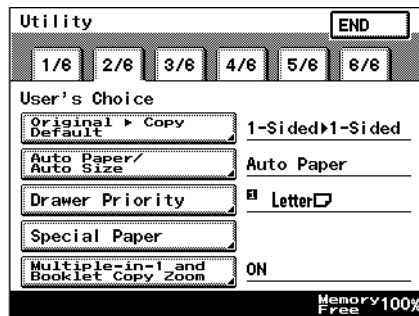


- : Special paper
Selecting this mode will mean that when using auto paper selection, this will not be included in auto tray change.
When using colored paper for cover pages or interleaves, selecting this setting reduces operating errors.
- 5 Touch [END] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

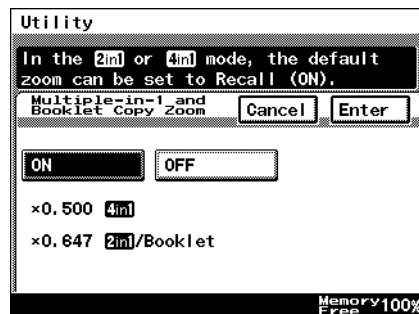
To set the “Multiple-in-1 and Booklet Copy Zoom” function

This function is used to specify whether or not the preset Zoom setting appropriate for the document and paper size is set when a 2in1 or a 4in1 Copy setting is selected.

- 1 Press the [Utility] key.
- 2 Touch [User's Choice].
- 3 Touch [2/6], and then touch [Multiple-in-1 and Booklet Copy Zoom].



- 4 Touch [ON] or [OFF], and then touch [Enter].
 - If [OFF] is selected, specify the Zoom settings for the 2in1 and 4in1 Copy settings.

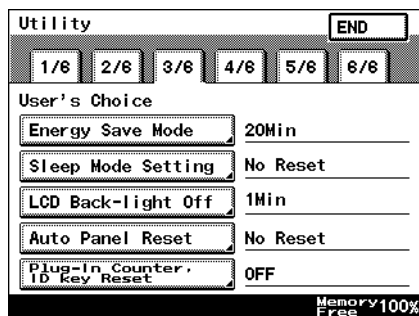


- 5 Touch [END] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

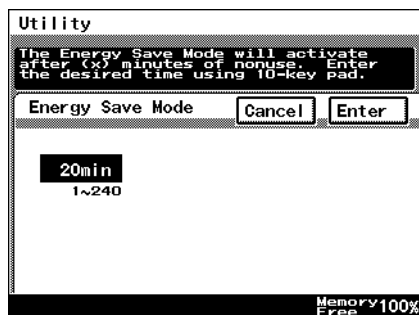
To set the “Energy Save Mode” function

This function is used to specify when the copier automatically enters Energy Saver mode after no operation is performed for the set length of time.

- 1 Press the [Utility] key.
- 2 Touch [User's Choice].
- 3 Touch [3/6], and then touch [Energy Save Mode].



- 4 Press the [C] key to erase the value.
 - Use the 10-Key Pad to specify the desired length of time, and then touch [Enter]. (Specify a length of time between 1 and 240 minutes.)



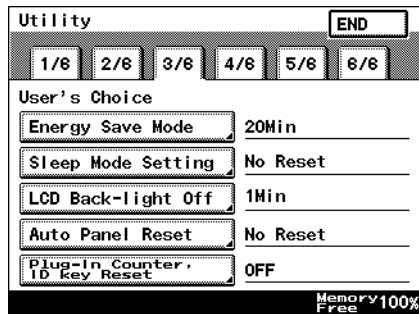
- 5 Touch [END] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

To set the “Sleep Mode Setting” function

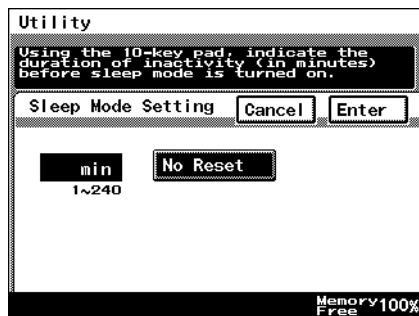
This function is used to specify the period of time where there is no input, after which the copier automatically turns the printer heater off.

To display [No Reset], you need to first display [No Reset] in Specifying Administrator Settings. For details, refer to “Administrator Settings” on page 6-7.

- 1 Press the [Utility] key.
- 2 Touch [User’s Choice].
- 3 Touch [3/6], and then touch [Sleep Mode Setting].



- 4 Press the [C] key to erase the value.
 - Use the 10-Key Pad to specify the desired length of time, and then touch [Enter]. (Specify a length of time between 1 and 240 minutes.)
 - Selecting the [No Reset] key means that sleep functions will no longer operate.

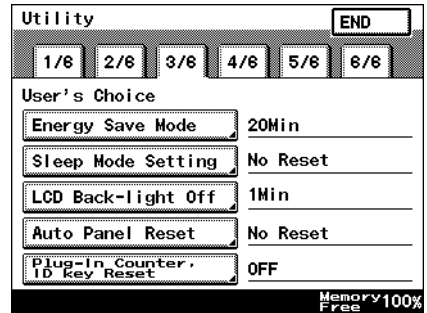


- 5 Touch [END] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

To set the “LCD Back-light Off” function

This function is used to specify when the backlight for the touch panel automatically goes off after no operation is performed for the set length of time.

- 1 Press the [Utility] key.
- 2 Touch [User's Choice].
- 3 Touch [3/6], and then touch [LCD Back-light Off].

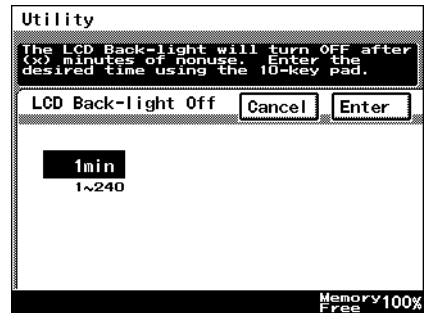


- 4 Press the [C] key to erase the value.
 - Use the 10-Key Pad to specify the desired length of time, and then touch [Enter]. (Specify a length of time between 1 and 240 minutes.)



Tip

If the preheat and sleep settings are short because of the LCD Back-light being set to off, then the Backlight will be turned off after the specified preheat or sleep time.

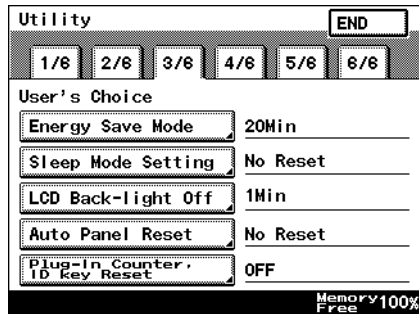


- 5 Touch [END] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

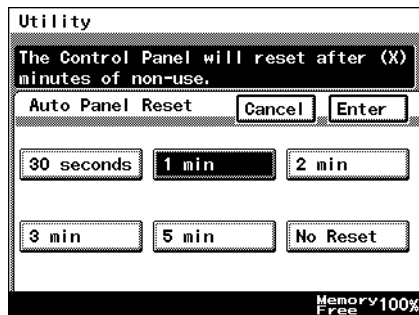
To set the “Auto Panel Reset” function

This function is used to specify when the Basics screen is automatically displayed if no operation is performed while a program or settings are being specified.

- 1 Press the [Utility] key.
- 2 Touch [User's Choice].
- 3 Touch [3/6], and then touch [Auto Panel Reset].



- 4 Select the desired length of time until the Basics screen is displayed, and then touch [Enter].
 - The length of time until the Basics screen is displayed can be set to 30 seconds, 1, 2, 3 or 5 minutes, or “No Reset”.

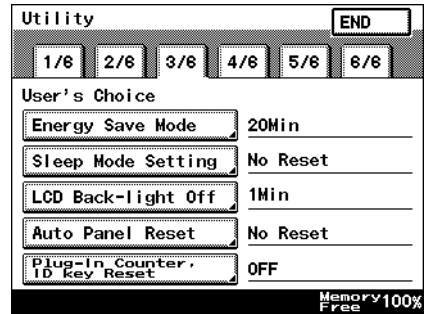


- 5 Touch [END] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

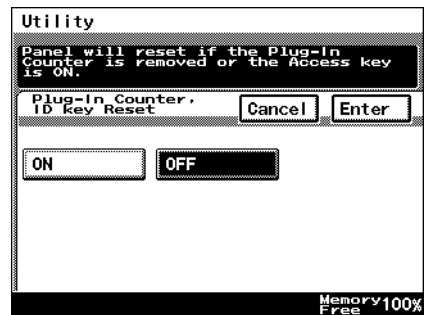
To set the “Plug-In Counter, ID key Reset” function

Pressing the [Access] key when specifying administrator settings specifies whether or not to return to default settings, with the exception of when the data controller magnetic card is removed.

- 1 Press the [Utility] key.
- 2 Touch [User's Choice].
- 3 Touch [3/6], and then touch [Plug-In Counter, ID key Reset].



- 4 Touch [ON] or [OFF], and then touch [Enter].

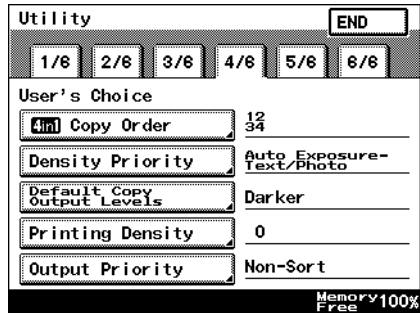


- 5 Touch [END] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

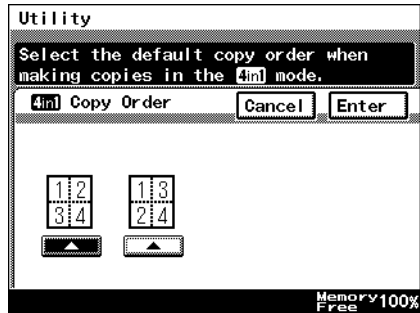
To set the “4in1 Copy Order” function

This function is used to specify the page orientation for making 4in1 copies.

- 1 Press the [Utility] key.
- 2 Touch [User's Choice].
- 3 Touch [4/6], and then touch [4in1 Copy Order].



- 4 Select the page orientation for making 4in1 copies, and then touch [Enter].

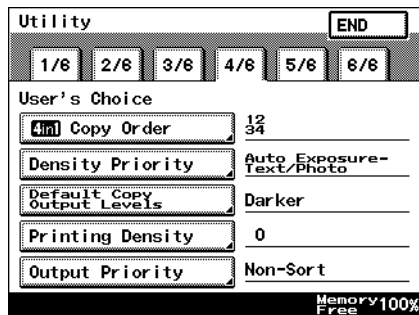


- 5 Touch [END] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

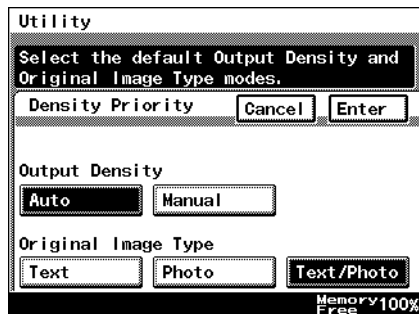
To set the “Density Priority” function

This specifies the default printing density / copy mode settings.

- 1 Press the [Utility] key.
- 2 Touch [User's Choice].
- 3 Touch [4/6], and then touch [Density Priority].



- 4 Select the desired settings, and then touch [Enter].
 - The default Output Density can be set to either [Auto] or [Manual].
 - The default Original Image Type can be set to [Text], [Photo] or [Text/Photo].

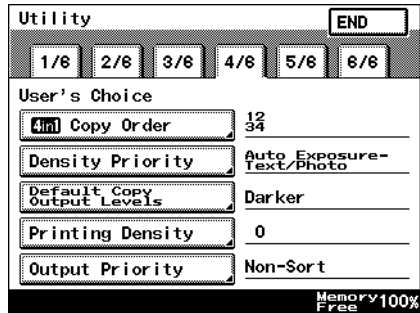


- 5 Touch [END] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

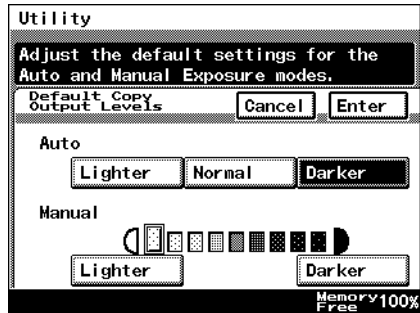
To set the “Default Copy Output Levels” function

This specifies the auto and manual default printing density level settings.

- 1 Press the [Utility] key.
- 2 Touch [User's Choice].
- 3 Touch [4/6], and then touch [Default Copy Output Levels].



- 4 Select the desired settings, and then touch [Enter].
 - The default Auto density level can be set to [Lighter], [Normal] or [Darker].
 - The default Manual density level can be adjusted by one level at a time.

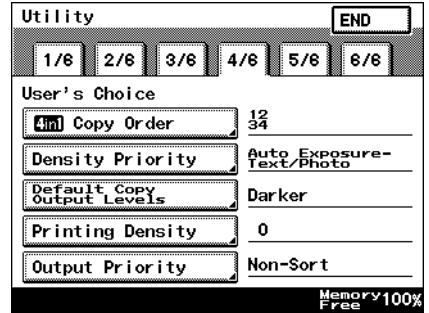


- 5 Touch [END] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

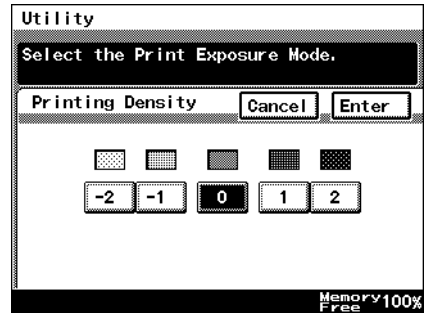
To set the “Printing Density” function

This specifies the default printing density level settings from -2 to 2, in 5 steps.

- 1 Press the [Utility] key.
- 2 Touch [User's Choice].
- 3 Touch [4/6], and then touch [Printing Density].



- 4 Select the desired settings, and then touch [Enter].

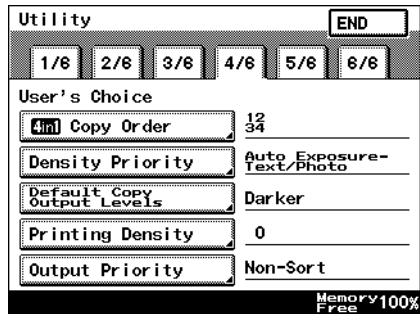


- 5 Touch [END] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

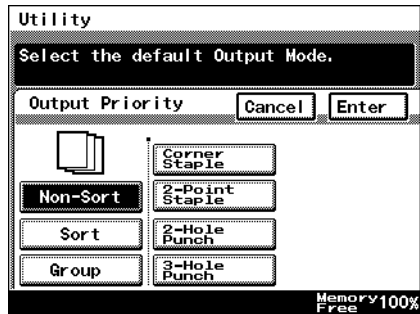
To set the “Output Priority” function

This specifies the default finishing modes that are selected by priority.

- 1 Press the [Utility] key.
- 2 Touch [User's Choice].
- 3 Touch [4/6], and then touch [Output Priority].



- 4 Select the desired settings, and then touch [Enter].

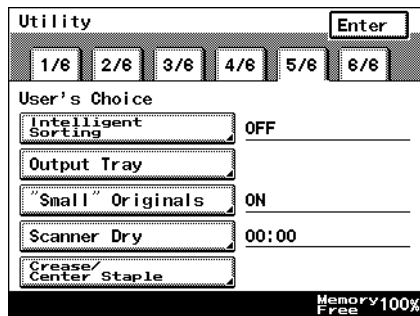


- 5 Touch [END] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

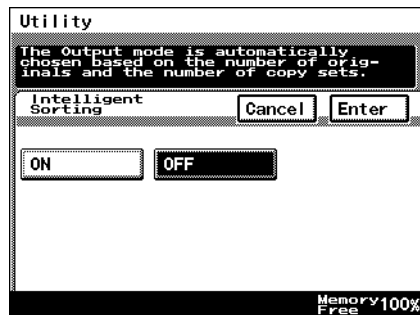
To set the “Intelligent Sorting” function

This function is used to specify whether or not the “Sort” and the “Non-Sort” settings are automatically selected according to the number of pages in the document.

- 1 Press the [Utility] key.
- 2 Touch [User's Choice].
- 3 Touch [5/6], and then touch [Intelligent Sorting].



- 4 Touch [ON] or [OFF], and then touch [Enter].
 - If [ON] is selected, the “Non-Sort” setting is automatically selected when a document consisting of only one page is loaded into the duplexing document feeder, and the “Sort” setting is automatically selected when a document consisting of two or more pages is placed in the duplexing document feeder.



- 5 Touch [END] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

To set the “Output Tray” function (optional)

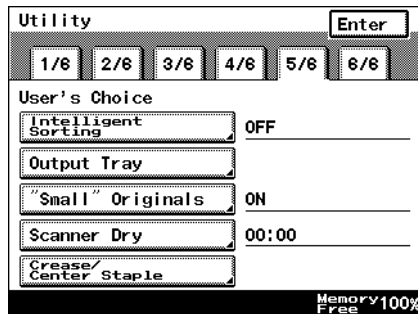
This function is used to specify how copies and computer printouts are separated and which output tray they are assigned to.



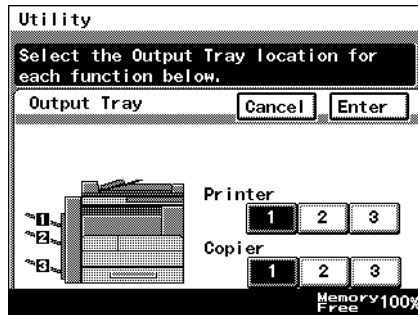
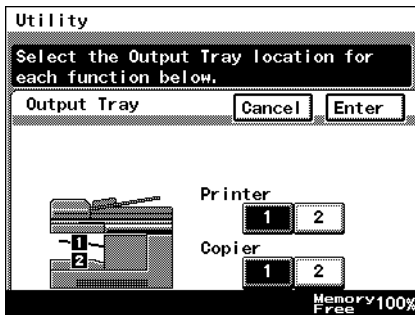
Tip

[Output Tray] only appears if the finisher or the job separator is installed.

- 1 Press the [Utility] key.
- 2 Touch [User's Choice].
- 3 Touch [5/6], and then touch [Output Tray].



- 4 Select the appropriate output tray settings, and then touch [Enter].

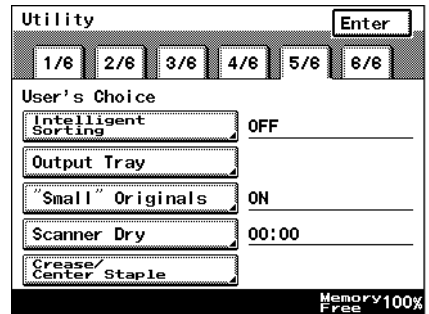


- 5 Touch [END] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

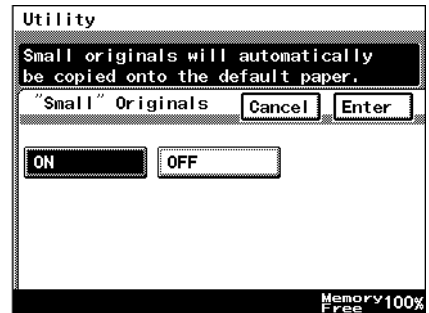
To set the ““Small” Originals” function

This function is used to specify whether or not a small-sized original can be copied when the [Start] key is pressed.

- 1 Press the [Utility] key.
- 2 Touch [User's Choice].
- 3 Touch [5/6], and then touch ["Small" Originals].



- 4 Touch [ON] or [OFF], and then touch [Enter].
 - If [ON] is selected, a copy can be made using the specified paper.
 - If [OFF] is selected, a message appears, indicating that the paper should be selected.

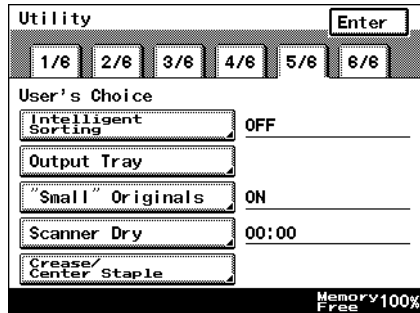


- 5 Touch [END] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

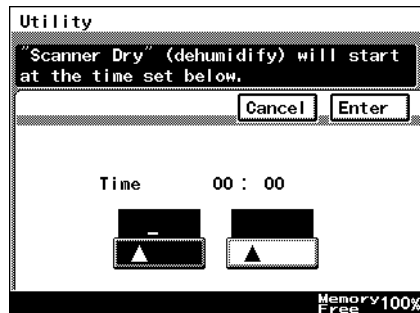
To set the “Scanner Dry” function

The automatic scanner dry function may be set in order to prevent condensation on the scanner resulting from sudden temperature changes.

- 1 Press the [Utility] key.
- 2 Touch [User's Choice].
- 3 Touch [5/6], and then touch [Scanner Dry].



- 4 Use the 10-Key Pad to specify the time when scanner drying begins, and then touch [Enter].
 - Specify the time in the 24-hour format.
 - To erase the value, press the [C] key.

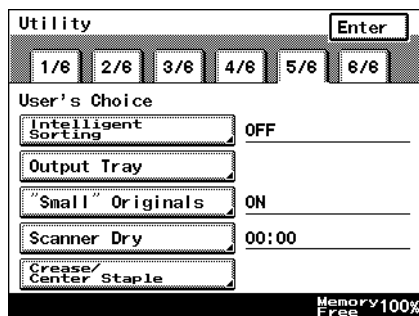




- 5 Touch [END] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

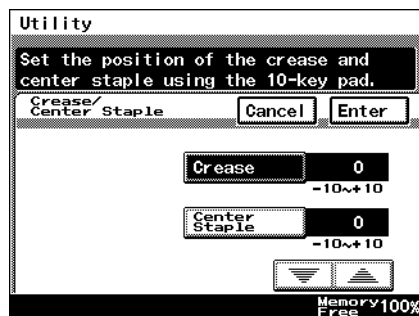
To set the “Crease/Center Staple” function (Only when the finisher or saddle kit are installed)

When the optional saddle kit (including the finisher) is installed, this controls the offset for creases created using the booklet creation mode, and for any specified center staples.

- 1 Press the [Utility] key.
- 2 Touch [User's Choice].
- 3 Touch [5/6], and then touch [Crease/Center Staple].



- 4 Touch  and  to adjust the setting, and then touch [Enter].

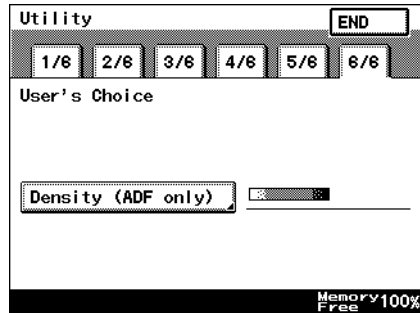


- 5 Touch [END] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

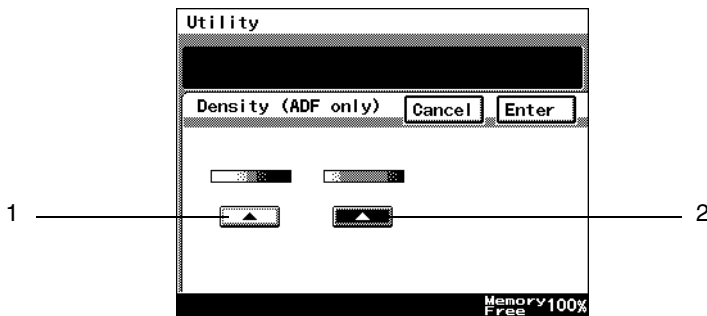
To set the “Density (ADF only)” function (Only when the duplexing document feeder is installed)

This function is used to adjust the density level when the optional duplexing document feeder is used.

- 1 Press the [Utility] key.
- 2 Touch [User's Choice].
- 3 Touch [6/6], and then touch [Density (ADF only)].



- 4 Select the desired default setting, and then touch [Enter].



- 1: The setting on the left is most appropriate for scanning normal documents (such as those created with a word processor).
 - 2: The setting on the right is most appropriate for scanning faint document (such as those written with pencil).
- 5 Touch [END] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

5.4 Registering an Image Stamp

Before the Auxiliary function “Image Stamping” can be used, an image must be registered.

A maximum of five images can be registered. For details on using the “Image Stamping” function, refer to ““Image Stamping” Function” on page 4-20.

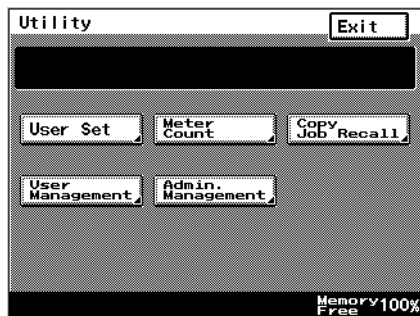


Note

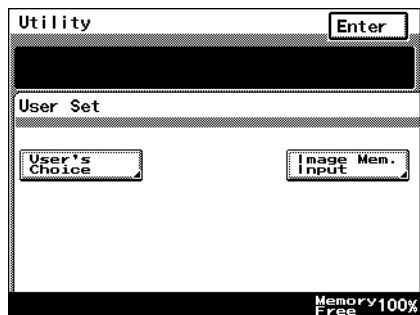
The optional hard disk must be installed.

To register an image stamp

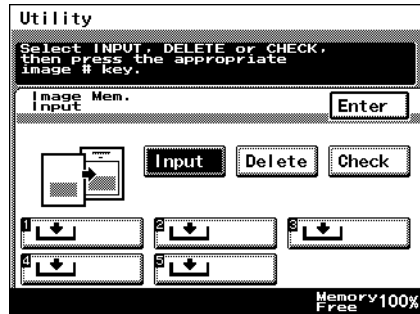
- 1 Press the [Utility] key.
- 2 Touch [User Set].



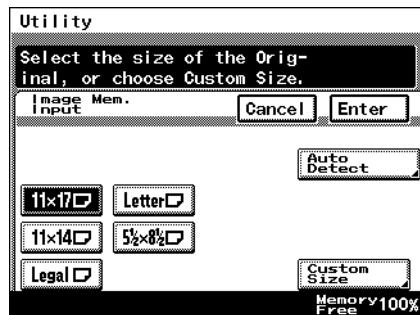
- 3 Touch [Image Mem. Input].



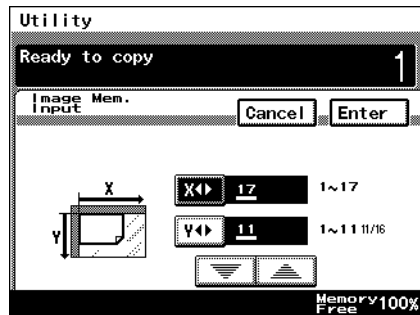
- 4 Touch [Input], and then touch desired registration key.
- To erase a stored image, touch [Delete], and then touch the number from where you wish to delete the image.
 - To check a stored image, touch [Check], and then touch the number where the image that you wish to check is stored.



- 5 Select the size of the image document.
Touch [Enter].
To continue scanning a standard-sized image document, skip to step 9.
- To scan a non-standard-sized image document, touch [Custom Size].

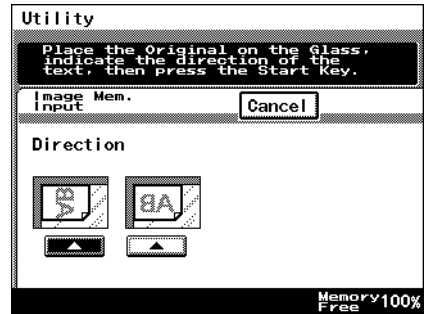


- 6 Touch $X \leftrightarrow$.
Then, touch ∇ and \blacktriangle to select the length of side X for the image document (between 1 inch and 17 inch).
- Touch $X \leftrightarrow$ until the cursor moves below the fraction that you wish to change.



- 7 Touch $Y \leftrightarrow$.
Then, touch ∇ and \blacktriangle to select the length of side Y for the image document (between 1 inch and 11-11/16 inch).
- Touch $Y \leftrightarrow$ until the cursor moves below the fraction that you wish to change.
- 8 Touch [Enter].

- 9 Position the document on the glass, and then select the orientation of the document.



- 10 Press the [Start] key.
The image is scanned.
The image stamp is registered.

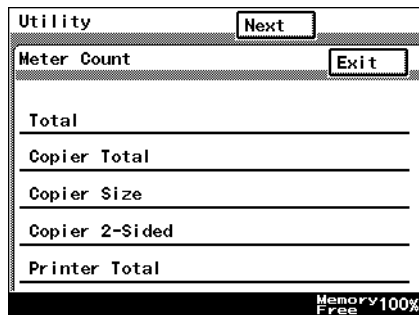
5.5 Viewing Counters (“Meter Count” Function)

With the “Meter Count” function, the following counters can be viewed.

Total counter	This counter shows the total number of copies and printouts made since the machine was installed.
Copier Total counter	This counter shows the total number of copies made.
Copier Size counter	This counter shows the total number of copies made on the specified paper size. (The paper size that is counted should be set at the service center.)
Copier 2-Sided counter	This counter shows the total number of double-sided copies made.
Printer Total counter	This counter shows the total number of printouts made.
Printer Size counter	This counter shows the total number of computer printouts made on the specified paper size. (The paper size that is counted should be set at the service center.)
Printer 2-Sided counter	This counter shows the total number of double-sided computer printouts made.
Scanner counter	This counter shows the total number of pages that have been scanned.
Account Total counters	These counters show the total number of copies and printouts made for each account currently registered. (A counter for each registered account is listed.)

To view the counters

- 1 Press the [Utility] key.
- 2 Touch [Meter Count].
- 3 After checking the various counters, touch [Exit].
 - There are two Meter Count screens. To view the other screen, touch [Next].



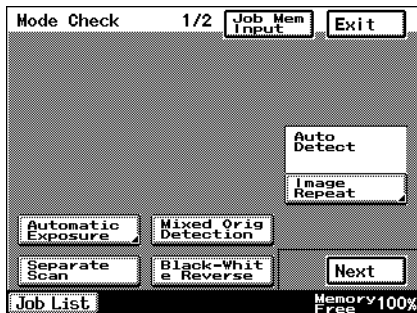
- 4 Touch [Exit] to return to the Basics screen.


5.6 Using Copy Programs

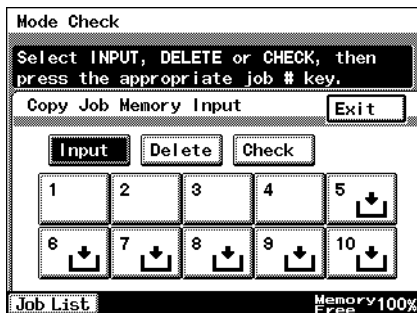
Up to 10 sets of copy settings can be stored as copy programs.

To store a copy program

- 1 Press the [Mode Check] key.

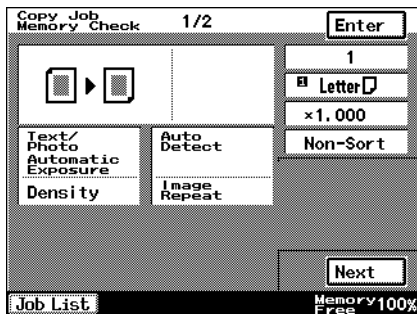


- 2 Touch [Job Mem Input], and then touch the number where you wish to store the copy program.
 - Number buttons on which  does not appear have already been assigned a copy program. If a button that has already been programmed is selected, the previously assigned copy program is deleted.



- 3 Touch [Check], and then touch a number button.

- 4 Check the programmed settings.
 - To display screen 2/2, touch [Next]. To return to screen 1/2, touch [Back].

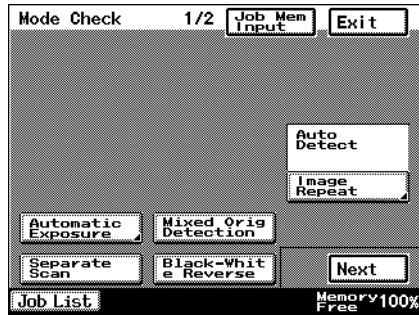



- 5 Touch [Enter] to return to the Mode Check screen, and then touch [Exit] to return to the Basics screen.

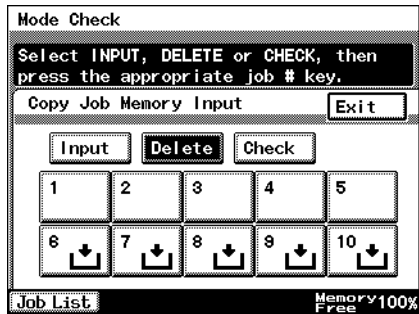
To delete a copy program

Individual copy programs can be deleted.

- 1 Press the [Mode Check] key.
- 2 Touch [Job Mem Input].



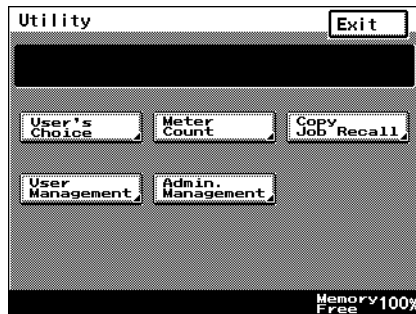
- 3 Touch [Delete], and then touch number to delete.
 - The copy program is deleted, and  appears on the button.



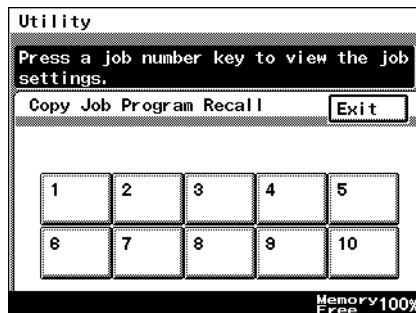
- 4 Touch [Exit] to return to the Mode Check screen, and then touch [Exit] to return to the Basics screen.

To use a copy program

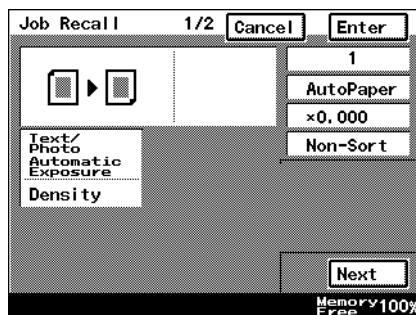
- 1 Press the [Utility] key.
- 2 Touch [Copy Job Recall].



- 3 Touch the button assigned with the copy program that you wish to use.
 - Only buttons that have been assigned a copy program are displayed.



- 4 Check the settings, and then touch [Enter].

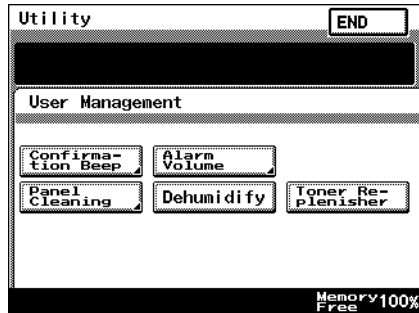


- 5 Set the document, and press the [Start] key.

5.7 User Management Functions

The following settings can be specified or operations can be performed from the User Management screen.

- Confirmation beep volume
- Alarm beep volume
- Touch panel cleaning
- Dehumidifying
- Toner replenishing



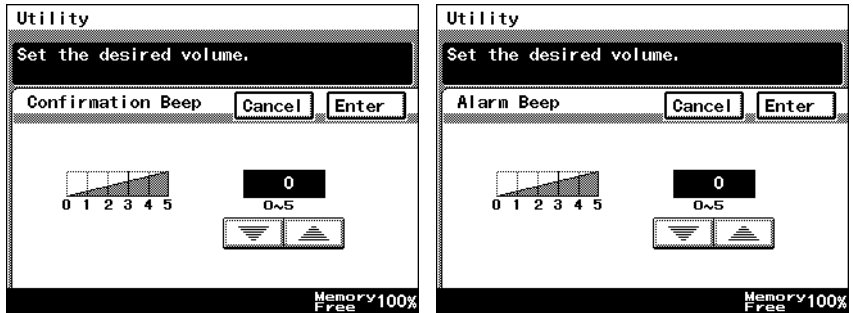
To adjust beep volumes (“Confirmation Beep” and “Alarm Volume” functions)



You can adjust the volume of the electronic beep used when pressing a key on the copier, or beeps issued to indicate alarms.

The following procedure describes how to adjust the volumes of two types of beeps. Additionally, beep volumes can be easily adjusted per user. Refer to “User Assistance” in the Basic Operations volume for details.

- ✓ [Confirmation Beep]: This function is used to adjust the volume of the beep that is sounded when a touch panel button is touched. (Default setting: 3)
- ✓ [Alarm Volume]: This function is used to adjust the volume of the alarm that is sounded when a paper misfeed occurs or an incorrect operation is specified. (Default setting: 3)

- 1 Press the [Utility] key.
- 2 Touch [User Management], and then touch the button for the beep that you wish to adjust.

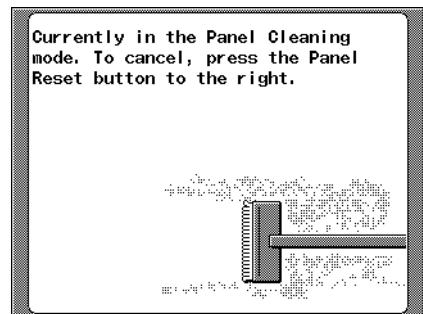


- 3 Touch  and  to select the desired volume, and then touch [Enter].
- 4 Touch [END] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

To clean the touch panel (“Panel Cleaning” function)

By setting panel cleaning, you can clean the panel without accidentally pressing panel buttons.

- 1 Press the [Utility] key.
- 2 Touch [User Management], and then touch [Panel Cleaning].
 - To cancel the function, press the [Panel Reset] key.



To dehumidify the duplexing document feeder (“Dehumidify” function)

When there are rapid changes in the temperature of a room, or high humidity, condensation*¹ may occur on the surface of the photosensitive receptor drum*² or the scanner on the copier, resulting in blurred images. When this occurs, use the “Dehumidify” function (Approximately 5 minutes) to remove the condensation.

If you wish to remove condensation at a set time every day. For details, refer to “To set the “Scanner Dry” function” on page 5-28.

*1 Condensation: a phenomenon where atmospheric water collects on the photosensitive receptor drum or the scanner, forming water droplets.

*2 Photosensitive receptor drum: the part that contacts the film copy.



Note

When you wish to remove condensation from the photosensitive receptor drum, contact your local technical representative.

You can still copy if there during dehumidifying. (however, dehumidifying will be interrupted.)

To specify a time to perform the dehumidifying operation, refer to page 5-28.

- 1 Press the [Utility] key.
- 2 Touch [User Management], and then touch [Dehumidify].
The dehumidifying operation begins.

To replenish the toner (“Toner Replenisher” function)

This function is used when copies are temporarily faint although plenty of toner remains, such as immediately after the toner bottle is replaced or after copying a large quantity of documents with large printed areas. If this occurs, toner can be replenished.

- 1 Press the [Utility] key.
- 2 Touch [User Management], and then touch [Toner Replenisher].
The toner is replenished.

***Administrator
Management
Operations***

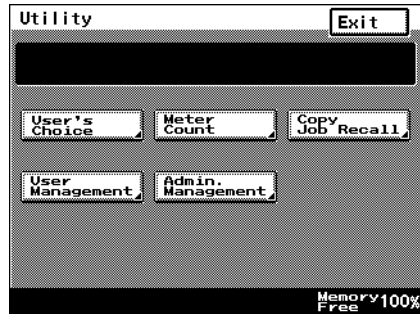
6

6.1 Administrator Management Screens

To display the Administrator Management screens

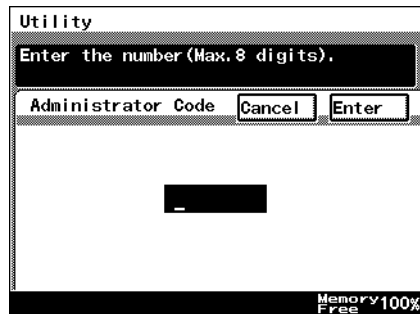
This explains the method for displaying the Administrator Management screens.

- 1 Press the [Utility] key.
- 2 Touch [Admin. Management].

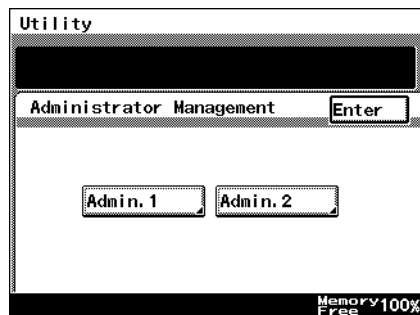


- 3 Use the 10-Key Pad to type in the administrator access code, and then touch [Enter].

- If no administrator access code is programmed, touch [Enter] to display the Administrator Management screen.



- 4 Touch [Admin. 1] or [Admin. 2] to display the desired screen.

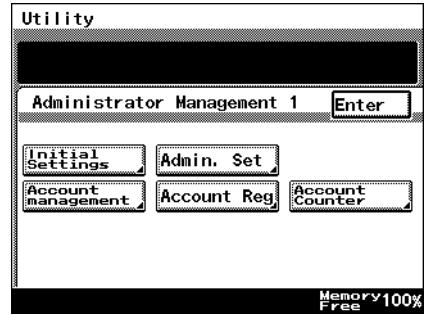


- 5 From the screen that appeared, touch the key for the operation that you wish to perform or the function whose setting you wish to specify.



Note

When specifying [1000 Accounts] or [OFF] in the account management mode, neither the [Account Reg] nor the [Account Counter] keys will be displayed. Refer to “To set the Account Management Mode” on page 6-11 for details.



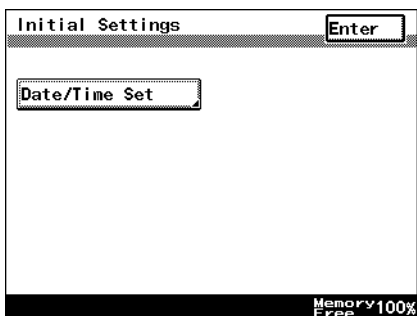
6.2 Initial Settings

Specify the date and time

Specify the date and time so that they will be correctly recorded in the reports.

To set the date and time

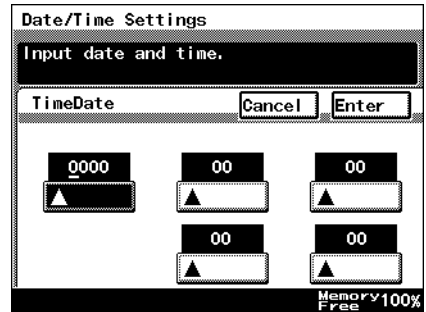
- 1 Follow the procedure described in *“To display the Administrator Management screens” on page 6-2* to display the Administrator Management screen.
- 2 Touch [Admin. 1], and then touch [Initial Settings].
- 3 Touch [Date/Time Set].



- 4 Touch [TimeDate].



- 5 Use the 10-Key Pad to type in the current date and time, and then touch [Enter].
 - To re-enter the entered value, press the [C] key.
 - Touch the button for the year, month, day, hour or minutes, and then use the 10-Key Pad to enter the value.
 - Enter four digits for the year.
 - Enter the time in the 24-hour format.



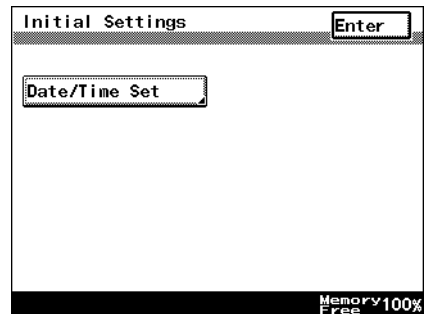
- 6 Continue touching [Enter] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

Specify the time zone

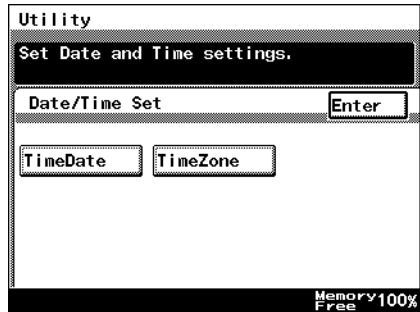
Specify the time difference from Greenwich Mean Time, which is added to the header of mails that are sent.



To set the time zone

- 1 Follow the procedure described in *"To display the Administrator Management screens"* on page 6-2 to display the Administrator Management screen.
- 2 Touch [Admin. 1], and then touch [Initial Settings].
- 3 Touch [Date/Time Set].

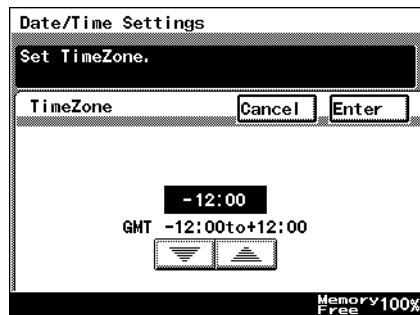


4 Touch [TimeZone].



5 Touch  and  to adjust the setting, and then touch [Enter].

- The time difference can be adjusted in 30-minute intervals.



6 Continue touching [Enter] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

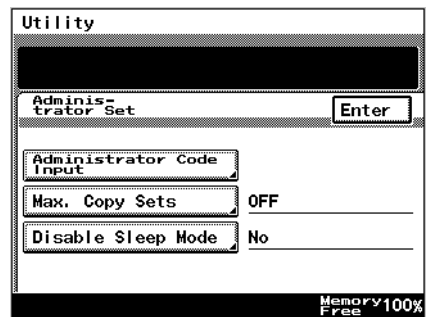
6.3 Administrator Settings

Changing the administrator access code

This explains the method to specify or change the administrator access code.

To set the administrator access code

- 1 Follow the procedure described in “To display the Administrator Management screens” on page 6-2 to display the Administrator Management screen.
- 2 Touch [Admin. 1], and then touch [Admin. Set].
- 3 Touch [Administrator Code Input].



- 4 Use the 10-Key Pad to type in the administrator access code, and then touch [Enter].
 - To change an entered value, touch [←] and [→] to move the cursor to the desired position, and then type in the new value.
 - To erase the value at the cursor's position, touch [Delete].
 - Press the [C] key to erase all entered text.
 - To return to the previous screen, touch [Cancel].
- 5 Continue touching [Enter] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

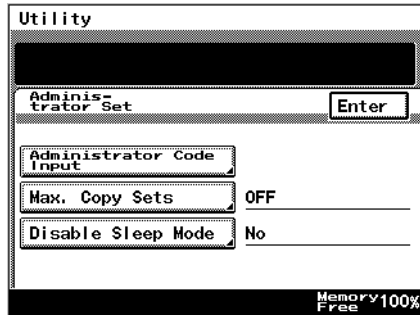


Copy Number Limits

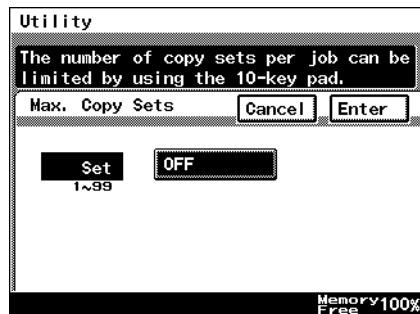
This is used to specify the maximum number of copies that can be printed.

To specify the maximum number of copies that can be printed

- 1 Follow the procedure described in “To display the Administrator Management screens” on page 6-2 to display the Administrator Management screen.
- 2 Touch [Admin. 1], and then touch [Admin. Set].
- 3 Touch [Max. Copy Sets].



- 4 Use the 10-Key Pad to specify the maximum number of copies, and then touch [Enter].
 - Numbers between 1 and 99 can be specified.



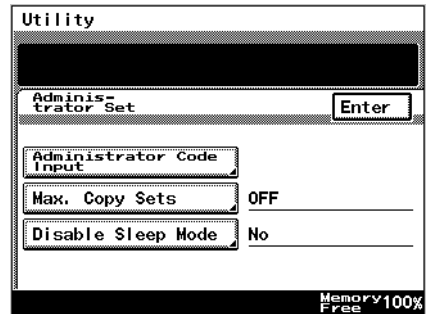
- 5 Continue touching [Enter] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

Disable Sleep Mode

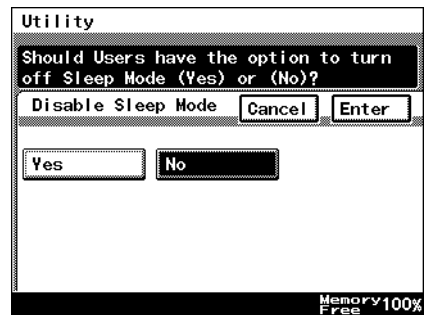
This parameter is used to disable the Sleep function, which automatically turns off the printer heater after no operation is performed for a specified length of time.

To disable the Sleep mode

- 1 Follow the procedure described in *“To display the Administrator Management screens”* on page 6-2 to display the Administrator Management screen.
- 2 Touch [Admin. 1], and then touch [Admin. Set].
- 3 Touch [Disable Sleep Mode].



- 4 Touch [Yes] or [No], and then touch [Enter].
 - If [Yes] is selected, [No Reset] appears in the screen for the “Sleep Mode Setting” function, which is available from the User’s Choice screen.



- 5 On the User’s Choice [3/6] sleep mode setting screen, select [No].
- 6 Continue touching [Enter] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

6.4 Account Management Settings

Account Management Mode

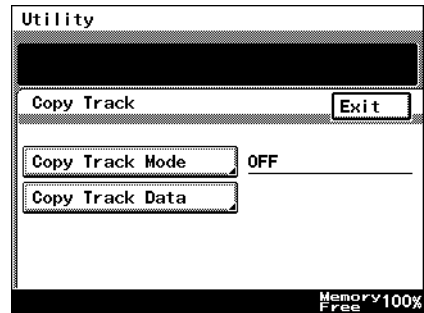
The number of copies and the number of prints can be managed per account. Additionally, users can be limited by management of accounts.

- [100 Accounts 1]
Enter the security code to make copies. Alternatively, the following can be configured per account.
 - Account name: program or change the account name
 - Security code: program or change the security code
 - Account number: program or change the account number
 - Print upper limit: limit the maximum number of prints that can be made for each account
 - Total counter: displays the total counter value for each account. Additionally, clears the counter value
- [100 Accounts 2]
Copies can be made whether or not they have entered the security code. Alternatively, the following can be configured per account by entering the registered access code.
 - Account name: program or change the account name
 - Registered access code: program or change the registered access code
 - Account number: program or change the account number
 - Print upper limit: limit the maximum number of prints that can be made for each account
 - Total counter: displays the total counter value for each account. Additionally, clears the counter value
- [1000 Accounts]
Enter the account number to make copies. Additionally, the following can be configured per account.
 - Total counter: displays the total counter value for each account. Additionally, clears the counter value

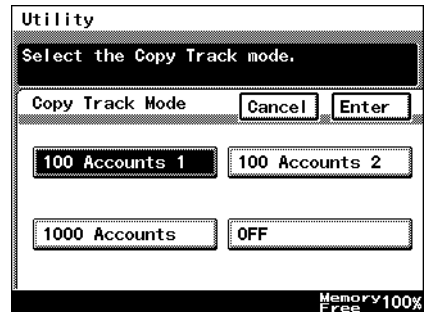
To set the Account Management Mode

You can manage the number of pages that can be copied per account.

- 1 Follow the procedure described in “*To display the Administrator Management screens*” on page 6-2 to display the Administrator Management screen.
- 2 Touch [Admin. 1], and then touch [Account management].
- 3 Touch [Copy Track Mode].



- 4 Select the desired account information methods, and touch the [Enter] key.

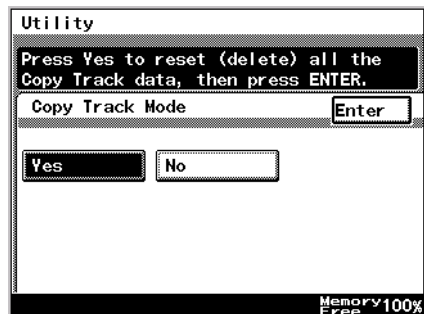


- 5 This will set the default account information. Select [Yes], and touch [Enter].



Note

When programming or changing account information data, please set the default account information data. However, depending on the currently specified account information method, the default screen may not be displayed.



**Note**

When setting [100 Accounts 1] or [100 Accounts 2], please program account names, etc. for each account. Please refer to “Account Registration” for details.

- 6 Continue touching [Enter] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

**Note**

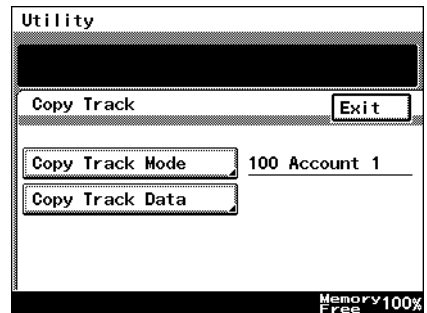
Only when setting [100 Accounts 1] or [100 Accounts 2], will the [Account Reg] or the [Account Counter] be displayed on the Admin. 1 screen.

Account Information data

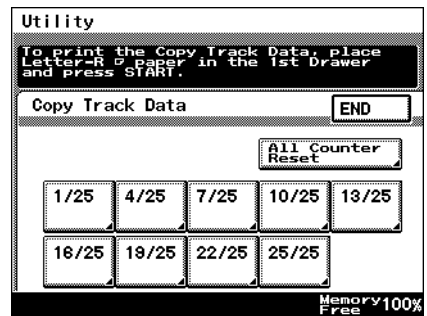
When carrying out account management settings, you can confirm usage for each account, or clear counter values. Alternatively, when carrying out 100 Account Management, you can change account numbers, print maximum limits, and access codes. You can also clear all counter values at once.

To print account information data

- 1 Follow the procedure described in *"To display the Administrator Management screens"* on page 6-2 to display the Administrator Management screen.
- 2 Touch [Admin. 1], and then touch [Account management].
- 3 Touch [Copy Track Data].



- 4 Set Letter paper in the 1st paper drawer, then press the [Start] key.
Account management data is printed.



- 5 Continue touching [Enter] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

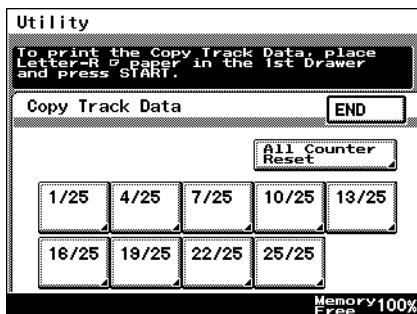
Clear all counters

- 1 Follow the procedure described in “To display the Administrator Management screens” on page 6-2 to display the Administrator Management screen.
- 2 Touch [Admin. 1], and then touch [Account management].
- 3 Touch [Copy Track Data].
- 4 Select the page number of the account you wish to clear.



Tip

If you wish to clear all the total counters accounts at once, touch [All Counter Reset].



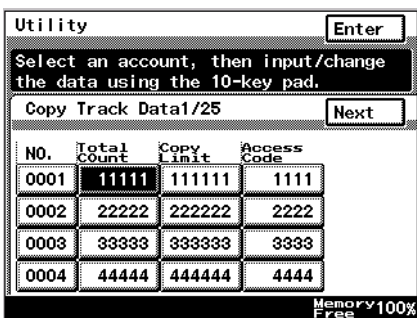
- 5 Select the total keys of the accounts you wish to clear, and press the [C] key.



Tip

If you wish to cancel clearing of accounts, press the [Interrupt] key.

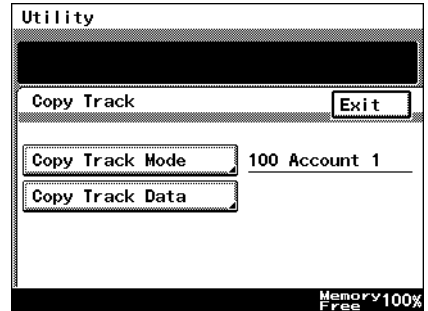
If you wish to clear the total counter of other accounts, repeat steps 4 and 5.



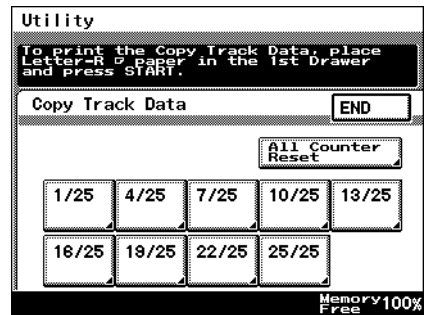
- 6 Continue touching [Enter] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

Changing Account Information

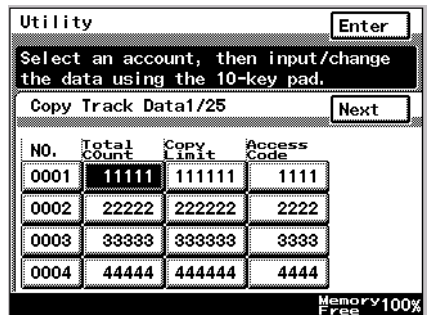
- 1 Follow the procedure described in “To display the Administrator Management screens” on page 6-2 to display the Administrator Management screen.
- 2 Touch [Admin. 1], and then touch [Account management].
- 3 Touch [Copy Track Mode].



- 4 Select the page number of the account you wish to change.



- 5 Select the key for the page you wish to change, and press the [C] key.
- 6 Use the 10-Key Pad to type in the value you wish to change.



- 7 Continue touching [Enter] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

6.5 Setting Account Registration

Account Registration

Accounts can be registered for departments in a company or for individuals. The number of prints can be restricted for each account, access codes specified, or unauthorized use of the machine restricted.

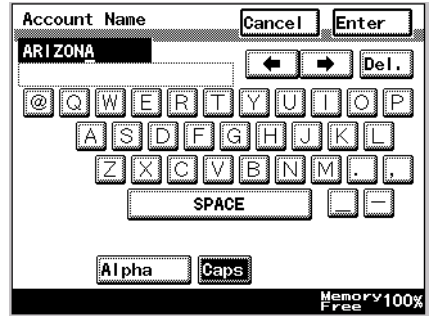
100 account management is required in Administrator Management Mode. For details, refer to *"To set the Account Management Mode"* on page 6-11.

To register accounts

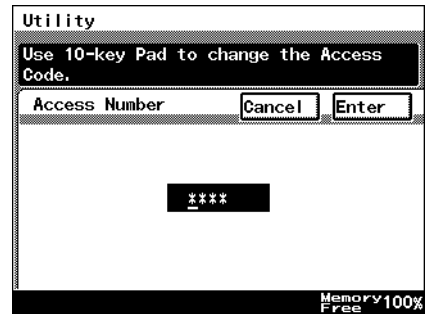
- 1 Follow the procedure described in *"To display the Administrator Management screens"* on page 6-2 to display the Administrator Management screen.
- 2 Touch [Admin. 1], and touch [Account Reg].
- 3 Select the account key to program or change.

- 4 Touch [Account Name].

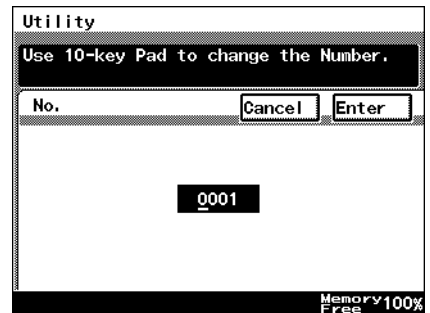
- 5 To enter the name of the account, use the character buttons that appear in the touch panel.



- 6 Touch [Enter].
- 7 Touch [Access Number], and enter the access code for the account.

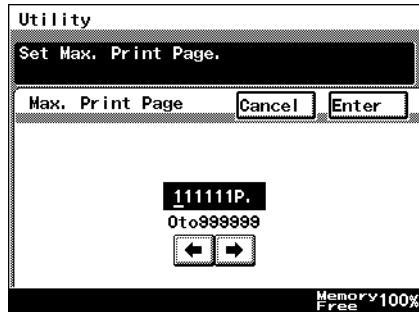


- 8 Touch [Enter].
- 9 Touch [Account Number], and enter the account number using the 10-Key Pad.



- 10 Touch [Enter].

- 11 Touch [Max. Print Page], and enter the upper print limit using the 10-Key Pad.



- 12 Touch [Enter].

**Tip**

Where you wish to change the programmed details, repeat from step 3, entering the correct details.

To delete programmed details, at step 4, press the [Delete] key.

- 13 Continue touching [Enter] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

Account Counter

The number of prints made by each account can be checked.

To check the number of prints made by each account

- 1 Follow the procedure described in “To display the Administrator Management screens” on page 6-2 to display the Administrator Management screen.
- 2 Touch [Admin. 1], and then touch the [Account Counter] key.
- 3 Touch the button for the account whose counter you wish to view, and then touch [Enter].

- 4 After checking the counter, then touch [Enter].

- 5 Continue touching [Enter] to return to the Utility screen, and then touch [Exit] to return to the Basics screen.

Appendix

7

7.1 Specifications

Copier Di2010/Di2510/Di3010/Di3510

Specification	
Type	Desktop
Platen	Fixed platen (mirror scanning)
Photo conductor	OPC
Copying system	Digital laser copying
Developing system	MTHG developing method
Fusing system	Heat-roller-fixing system
Resolution	600 dpi
Document	Types: Sheets, books Size: Maximum Ledger L (11 × 17 L), Weight: 6-1/2 lbs.
Paper types	Plain paper (15 to 24 lbs.), recycle paper (15 to 24 lbs.) Specialty Paper*: thick paper (24-1/4 to 55-3/4 lbs.) overhead projector transparencies, postcards, envelopes, label sheets Can only be fed through the multiple bypass tray. * Specialty paper can only be used with the multiple bypass tray.
Paper sizes	<1st paper drawer, 2nd paper drawer> In inch: Ledger L (11 × 17 L), Legal L (8-1/2 × 14 L), Letter L/C, 5-1/2 × 8-1/2 L, 8-1/2 × 13 L In metric: A3 L, B4 L, A4 L/C, B5 L/C Multiple bypass tray: Ledger L (11 × 17 L), Legal L (8-1/2 × 14 L), Letter L/C, 8 × 10-1/2 L, 10 × 8 L/C, Executive L/C, 5-1/2 × 8-1/2 L/C (Width: 3-1/2 to 11-3/4 in., Length: 5-1/2 to 17 in.)
Paper capacity	<1st paper drawer, 2nd paper drawer> Plain paper, recycle paper: 500 sheets each. (21 lbs.) Multiple bypass tray: Plain paper, recycle paper: 150 sheets (21 lbs.) Specialty paper: 50 sheets Envelopes: 10 sheets
Warm-up time	Less than 17 seconds when the power switch is on, less than 15 seconds when the sub power switch is on (at room temperature (73°F)).
First copy	Di3510 Less than 4.8 seconds (for Letter C paper loaded into the 1st drawer) Di3010/Di2510/Di2010 Less than 5.3 seconds (for Letter C paper loaded into the 1st drawer)

Specification	
Copy speed	Di3510 For Letter C paper loaded into the 1st drawer: 35 sheets/min. (Letter C) Di3010 For Letter C paper loaded into the 1st drawer: 30 sheets/min. (Letter C) Di2510 For Letter C paper loaded into the 1st drawer: 25 sheets/min. (Letter C) Di2010 For Letter C paper loaded into the 1st drawer: 20 sheets/min. (Letter C)
Magnification ratios	Full size: $\times 1.000$ Enlargement ratios: $\times 1.214$, $\times 1.294$, $\times 1.545$ and $\times 2.000$ Reduction ratios: $\times 0.785$, $\times 0.733$, $\times 0.647$, $\times 0.500$, minimal ($\times 0.930$) Zoom ratios: $\times 0.250$ to $\times 4.000$ (in $\times 0.001$ increments)
Multiple copies	1 to 999 sheets (Di3510) 1 to 99 sheets (Di2010, Di2510, Di3010)
Density control	Automatic, manual and photo manual
Image loss	Leading edge: 0.16 in.; Trailing edge: 0.16 in.; Rear edge: 0.16 in.; Front edge: 0.16 in.
Power requirements	120 V: Less than 11.5 A +10% 60 Hz
Power consumption	Less than 1340 W + 10%
Dimensions	26-3/4 in. (width) \times 28 in. (depth) \times 28-1/4 in. (height)
Memory	M256-2 (US, Canada: Standard, Others: Optional)
Weight	163 lbs.

Duplexing Document Feeder AFR-19

Specification	
Document feed methods	Standard method: Single-sided and double-sided documents "Mixed Orig Detection" function: Various sizes of single-sided and double-sided documents
Document paper type	Standard method: Plain paper <ul style="list-style-type: none"> • Single-sided: 9-1/4 to 34 lbs. • Double-sided: 13-1/4 to 34 lbs. "Mixed Orig Detection" function: Plain paper 13-1/4 to 34 lbs.
Document paper size	Plain paper: Ledger L (11 × 17 L), Legal L (8-1/2 × 14 L), Letter L/C (8-1/2 × 11 L/C), Invoice L (5-1/2 × 8-1/2 L) Mixed document sizes: Refer to the table below.
Capacity of document feeder	Maximum 80 sheets (21 lbs.)
Power requirements	Supplied by main unit
Power consumption	Less than 48 W
Dimensions	23 in. (width) × 22 in. (depth) × 5-3/4 in. (height)
Weight	Less than 20-3/4 lbs.

Mixed Width Document Sizes

Maximum Document Width	Mixed Width Document Detection	11 in.		8-1/2 in.			5-1/2 in.
		11 × 17 L	Letter C	Legal L	Letter L	8-1/2 × 5-1/2 C	8-1/2 × 5-1/2 L
11 in.	11 × 17 L	○	○	—	—	—	—
	Letter C	○	○	—	—	—	—
8-1/2 in.	Legal L	○	○	○	○	○	—
	Letter L	○	○	○	○	○	—
	8-1/2 × 5-1/2 C	—	—	○	○	○	—
5-1/2 in.	8-1/2 × 5-1/2 L	—	—	—	—	—	○

○: Copying possible

—: Copying not possible

Duplex Unit AD-16

Specification	
Paper type	Plain paper, recycle paper (15 to 24 lbs.)
Paper size	Ledger L (11 × 17 L), Legal L (8-1/2 × 14 L), Letter L/C, 5-1/2 × 8-1/2 L
Power requirements	Supplied by main unit
Power consumption	Less than 10 W
Dimensions	3-1/2 in. (width) × 16-1/2 in. (depth) × 14 in. (height)
Weight	About 4-3/4 lbs.

Switchback Unit SB-1

Specification	
Paper type	Plain paper, recycle paper (15 to 24 lbs.)
Paper size	Ledger L (11 × 17 L), 10 × 15 L, Legal L (8-1/2 × 14 L), Letter L/C, 5-1/2 × 8-1/2 L
Power requirements	Supplied by main unit
Power consumption	Less than 15 W
Dimensions	13-1/4 in. (width) × 19 in. (depth) × 5-3/4 in. (height)
Weight	About 3-3/4 lbs.

Paper Feed Cabinet PF-124

Specification	
Paper type	Plain paper (15 to 24 lbs.), recycle paper (16 to 24 lbs.)
Paper size	Ledger L (11 × 17 L), 11 × 14 L, Legal L (8-1/2 × 14 L), Letter C (8-1/2 × 11 C), Letter L (8-1/2 × 11 L), 8 × 10-1/2
Paper capacity	500 sheets (21 lbs.)
Power requirements	Supplied by main unit
Power consumption	Less than 15 W
Dimensions	22-1/2 in. (width) × 21-1/2 in. (depth) × 10-1/4 in. (height)
Weight	About 48-1/2 lbs.

2Way Paper Feed Cabinet PF-210

Specification	
Paper type	Plain paper (15 to 24 lbs.), recycle paper (16 to 24 lbs.)
Paper size	11 × 14 L, Ledger L (11 × 17 L), Legal L (8-1/2 × 14 L), Letter C (8-1/2 × 11 C), Letter L (8-1/2 × 11 L), 8 × 10-1/2
Paper capacity	500 sheets × 2 drawers (21 lbs.)
Power requirements	Supplied by main unit
Power consumption	Less than 15 W
Dimensions	22-1/2 in. (width) × 21-1/2 in. (depth) × 10-1/4 in. (height)
Weight	About 59-1/2 lbs.

Large Capacity Cabinet PF-122

Specification	
Paper type	Plain paper (15 to 24 lbs.)
Paper size	Letter C (8-1/2 × 11 C)
Paper capacity	2,500 sheets (21 lbs.)
Power requirements	Supplied by main unit
Power consumption	Less than 45 W
Dimensions	22-1/2 in. (width) × 22-1/4 in. (depth) × 10-1/4 in. (height)
Weight	About 57-1/4 lbs.

Built in Finisher FN-117

Specification	
Output trays	1st drawer, 2nd drawer
Settings	Normal functions: "Non-sort", "Sort", "Sort"/"Staple", "Group" and "Saddle Staple" settings Hole-punch functions: "Non-sort"/"Punch", "Sort"/"Punch" and "Sort"/"Staple"/"Punch" settings
Paper type	Plain paper, recycle paper (15 to 24 lbs.) Thick paper (24-1/4 to 55-3/4 lbs.) Postcard (50-1/2 lbs.) Envelopes, overhead projector transparencies, label sheets.
Paper size	Ledger L (11 × 17 L), Legal L (8-1/2 × 14 L), Letter C (8-1/2 × 11 C), Letter L (8-1/2 × 11 L), 5-1/2 × 8-1/2 L/C

Specification	
Paper capacity	1st drawer Plain paper (15 to 24 lbs.): (Letter L or smaller) Maximum 200 sheets Postcards, envelopes, overhead projector transparencies and label sheets: Maximum 20 sheets 2nd drawer Plain paper (15 to 24 lbs.): (Letter L or smaller) Maximum 1,000 sheets (Legal or larger) Maximum 500 sheets Postcards, envelopes, overhead projector transparencies and label sheets: Maximum 20 sheets
“Staple” setting	Densely printed paper: 2 to 50 sheets
“Punch” setting (option)	Number of punched holes: 2/3
Power requirements	Supplied by main unit
Power consumption	Less than 66 W
Dimensions	12-1/2 (17) in. (width) × 21-3/4 in. (depth) × 22-3/4 in. (height) (The values within parentheses are the measurements with a media tray installed.)
Weight	About 47-1/4 lbs. (including the horizontal transport unit)
Accessories	1 staple cartridge MS-5D (5,000 staples)

Additional Bin Kit AK-1

Specification	
Number of bins	1 Bin
Paper capacity	Plain paper (15 to 24 lbs.): Maximum 200 sheets postcards, envelopes, overhead projector transparencies, label sheets: Maximum 20 sheets
Dimensions	11 in. (width) × 14-1/2 in. (depth) × 2-1/4 in. (height)
Weight	About 1-1/2 lbs.

Mail Bin Kit MK-1

Specification	
Number of bins	4 Bins
Paper type	Plain paper, recycle paper (15 to 24 lbs.)
Paper size	Letter C (8-1/2 × 11 C), 5-1/2 × 8-1/2
Paper capacity	Maximum 125 sheets (21-1/4 lbs.) × 4
Dimensions	24-1/2 in. (width) × 21-1/4 in. (depth) × 17 in. (height)
Weight	About 17-3/4 lbs. (unit weight), less than 26-1/2 lbs. (gross weight)
Power requirements	Supplied by finisher

Punch Kit PK-6

Specification	
Number of punched holes	2 Holes, 3 Holes
Paper type	Plain paper, recycle paper (16 to 43 lbs.)
Paper size	2 Holes Ledger L (11 × 17 L), Legal L (8-1/2 × 14 L), Letter L (8-1/2 × 11 L), Letter C (8-1/2 × 11 C) 3 Holes Ledger L (11 × 17 L), Letter C (8-1/2 × 11 C)
Power requirements	Supplied by finisher
Dimensions	4-1/2 in. (width) × 18-1/4 in. (depth) × 5-1/4 in. (height)
Weight	About 4-1/4 lbs.

Saddle Kit SK-1

Specification	
Number of bins	1 Bin
Paper type	Plain paper, recycle paper (15 to 24 lbs.)
Paper size	Ledger L (11 × 17 L), Legal L (8-1/2 × 14 L)
Paper capacity	Plain paper (15 to 24 lbs.): 200 sheets
"Staple" setting	Densely printed paper: 2 to 15 sheets
Dimensions	17-1/2 (22-3/4) in. (width) × 8 (11) in. (depth) × 18-3/4 in. (height) (The values within parentheses are the measurements with a media tray installed.)
Weight	20-1/2 lbs.
Accessories	1 staple cartridge MS-2C (2,000 staples)
Power requirements	Supplied by finisher

Job Separator JS-203

Specification	
Number of bins	1 Bin (considering the trays of the copier as 2 bins)
Paper type	Plain paper, recycle paper (15 to 24 lbs.) Speciality paper (thick paper (24-1/4 to 55-3/4 lbs.)), postcards, envelopes, overhead projector transparencies, label sheets
Paper size	Ledger L (11 × 17 L), Legal L (8-1/2 × 14 L), Letter C (8-1/2 × 11 C), Letter L (8-1/2 × 11 L), 5-1/2 × 8-1/2 L/C
Paper capacity	JS-203 100 sheets (21 lbs.) Copy output tray 250 sheets (21 lbs.)

Specification	
Dimensions	17-3/4 in. (width) × 17-1/2 in. (depth) × 3 in. (height)
Weight	About 3-3/4 lbs.

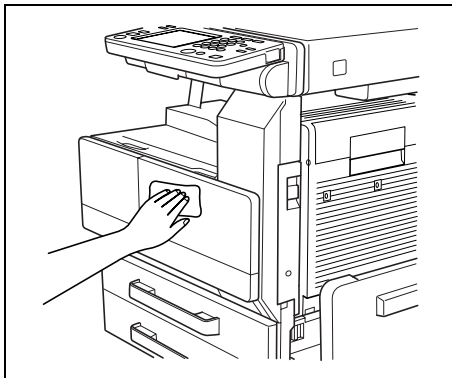
7.2 Care of the Copier

Cleaning

Set the power switch of the copier to “O” before cleaning it.

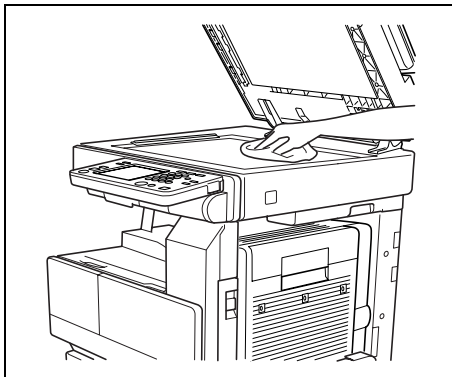
Housing cover

- Clean the surface of the housing cover by wiping it with a soft cloth dampened with a mild household detergent.



Original glass

- Clean the original glass by wiping it with a soft, dry cloth.



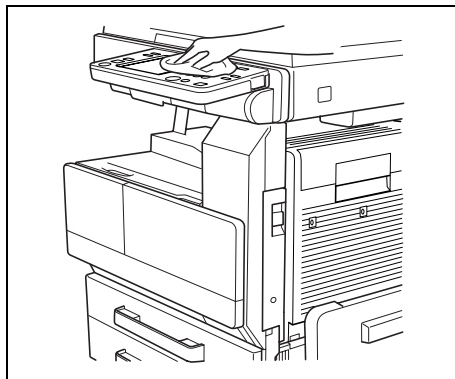
Operation panel

- Clean the operation panel by wiping it with a soft, dry cloth.



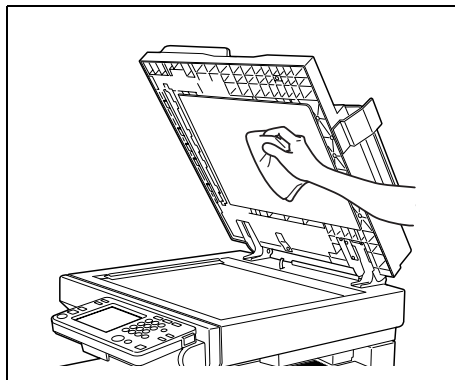
Note

Pressing too hard on the operation panel or the touch panel may damage them. In addition, never use mild household detergent or glass cleaner to clean the operation panel or touch panel.



Original glass

- Clean the original glass by wiping it with a soft, dry cloth.



7.3 Function Combination Table

		1	2	3	3	3	7	9		12					18	19	20			25	26	25						
		Paper					Number of copies	Zoom			Density				Orig.->Copy (Original)		Orig.->Copy (Copy)											
Setting selected first		Auto Paper	Paper drawer (*1)	Multiple bypass tray (OHP)	Multiple bypass tray (thick paper)	Multiple bypass tray (envelopes)	Multiple bypass tray (plain paper)	Single-sided only paper	Number setting	Auto Size	Preset zoom ratios	Entered zoom ratio	X/Y Zoom	Auto	Manual setting	Text	Text/Photo	Photo	Single-Sided	Double-Sided	Book (Spreadsheet or Separation)	Book Erase	Single-Sided	Double-Sided	Single-2in1	Double-2in1	Single-4in1	
1	Paper	Auto Paper	△	△	△	△	△	△	△	△	○	○	△	○	○	○	○	○	○	△	△	/	○	○	④	④	④	
		Paper drawer (*1)	△	△	△	△	△	△	△	△	○	○	△	○	○	○	○	○	○	△	△	/	○	○	④	④	④	
		Multiple bypass tray (OHP)	△	△	△	△	△	△	△	△	○	○	△	○	○	○	○	○	○	△	△	/	○	○	①	①	①	
		Multiple bypass tray (thick paper)	△	△	△	△	△	△	△	△	○	○	△	○	○	○	○	○	○	△	△	/	○	○	①	①	①	
		Multiple bypass tray (envelopes)	△	△	△	/	△	△	△	△	○	○	△	○	○	○	○	○	○	△	△	/	○	○	①	①	①	
		Multiple bypass tray (plain paper)	△	△	△	△	△	△	△	△	○	○	△	○	○	○	○	○	○	△	△	/	○	○	①	①	①	
		Single-sided only paper	△	△	△	△	△	△	△	△	○	○	△	○	○	○	○	○	○	△	△	/	○	○	①	①	①	
	Number of copies	Number setting	△	△	△	△	△	△	△	△	○	○	△	○	○	○	○	○	○	△	△	/	○	○	①	①	①	
9	Zoom	Auto Size	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	/	△	△	②	②	②	
		Preset zoom ratios	○	○	○	○	○	○	○	△	△	△	△	△	△	△	△	△	△	△	△	/	○	○	②	②	②	
		Entered zoom ratio	○	○	○	○	○	○	○	△	△	△	△	△	△	△	△	△	△	△	△	/	○	○	②	②	②	
12		X/Y Zoom	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△	/	△	△	②	②	②	
	Density	Auto	○	○	○	○	○	○	○	○	○	○	○	△	△	△	△	△	△	△	△	/	○	○	②	②	②	
		Manual setting	○	○	○	○	○	○	○	○	○	○	○	△	△	△	△	△	△	△	△	/	○	○	②	②	②	
		Text	○	○	○	○	○	○	○	○	○	○	○	○	△	△	△	△	△	△	△	/	○	○	②	②	②	
		Text/Photo	○	○	○	○	○	○	○	○	○	○	○	○	△	△	△	△	△	△	△	/	○	○	②	②	②	
		Photo	○	○	○	○	○	○	○	○	○	○	○	○	△	△	△	△	△	△	△	/	○	○	②	②	②	
	Orig.-> Copy (Original)	Single-Sided	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	△	△	/	○	○	②	②	②	
		Double-Sided	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	△	△	/	○	○	②	②	②	
20		Book (Spreadsheet or Separation)	①	○	○	○	○	○	①	○	○	○	○	○	○	○	○	○	○	△	△	/	○	○	②	②	②	
		Book Erase	⑩	○	○	○	○	○	⑩	○	○	○	○	○	○	○	○	○	○	△	△	/	○	○	②	②	②	
	Orig.-> Copy (Copy)	Single-Sided	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	△	△	/	○	○	②	②	②	
		Double-Sided	○	○	①	①	①	①	○	○	○	○	○	○	○	○	○	○	○	△	△	/	○	○	②	②	②	
		Single-2in1	⑦	○	○	○	○	○	○	○	○	○	○	①	○	○	○	○	○	△	△	/	○	○	②	②	②	
		Double-2in1	⑦	○	①	①	①	①	○	○	○	○	○	①	○	○	○	○	○	△	△	/	○	○	②	②	②	
		Single-4in1	⑦	○	○	○	○	○	○	○	○	○	○	①	○	○	○	○	○	△	△	/	○	○	②	②	②	
		Double-4in1	⑦	○	①	①	①	①	○	○	○	○	○	①	○	○	○	○	○	△	△	/	○	○	②	②	②	
		Booklet Creation	⑦	○	①	①	①	①	○	○	○	○	○	①	○	○	○	○	○	△	△	/	○	○	②	②	②	
		Mixed Orig Detection	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	▲	⑤	⑤	/	○	○	②	②	②
		Original Orientation (*a)	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	△	△	/	○	○	②	②	②	
		Margin (*a)	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	△	△	/	○	○	②	②	②	
	Finishing	Non-Sort	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	/	○	○	②	②	②	
		Sort	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	/	○	○	②	②	②	
		Group	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	/	○	○	②	②	②	
		Staple	○	○	①	①	①	①	○	○	○	○	○	○	○	○	○	○	○	○	○	/	○	○	②	②	②	
		Hole Punch	○	○	①	①	①	①	○	○	○	○	○	○	○	○	○	○	○	○	○	/	○	○	②	②	②	
		Center Staple (+ Booklet Creation)	○	○	①	①	①	①	○	○	○	○	○	○	○	○	○	○	○	○	○	/	○	○	②	②	②	
		Crease (+ Booklet Creation)	○	○	①	①	①	①	○	○	○	○	○	○	○	○	○	○	○	○	○	/	○	○	②	②	②	

		Setting selected later		26	29	30	32	34	35	36	37	38	54	55	39	40	41	41	43	44	46	47	48	50			
				Finishing								Auxiliary															
		Setting selected first		Double-4in1	Booklet Creation	Mixed Orig Detection	Original Orientation (*b)	Margin (*b)	Non-Sort	Sort	Group	Staple	Hole Punch	Center Staple (+ Booklet Creation)	Crease (+ Booklet Creation)	File Margin	Edge/Frame Erase	Page Insertion	Cover Mode	OHP Interleaving	Image Repeat	Separate Scan	Distribution #	Watermark	Black-White Reverse	Format Printing	Interrupt
1	Paper	Auto Paper	④	④	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	△	△	○	○	○	○	○
		Paper drawer (*1)	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	△	△	○	○	○	○	○
		Multiple bypass tray (OHP)	①	①	○	○	○	○	○	○	○	①	①	④	④	○	○	○	○	○	△	△	○	○	○	○	○
		Multiple bypass tray (thick paper)	①	①	○	○	○	○	○	○	○	①	①	④	④	○	○	○	○	○	△	△	○	○	○	○	○
		Multiple bypass tray (envelopes)	①	①	○	○	○	○	○	○	○	①	①	④	④	○	○	○	○	○	△	△	⑥	⑥	⑥	⑥	⑥
		Multiple bypass tray (plain paper)	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	△	△	○	○	○	○	○
		Single-sided only paper	①	①	○	○	○	○	○	○	○	○	○	④	④	○	○	○	○	○	△	△	○	○	○	○	○
	Number of copies	Number setting	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	△	△	○	○	○	○	○
9	Zoom	Auto Size	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	△	△	○	○	○	○	○
		Preset zoom ratios	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		Entered zoom ratio	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
12		X/Y Zoom	②	②	○	○	○	○	○	○	○	○	④	④	④	④	○	○	○	○	○	○	○	○	○	○	○
	Density	Auto	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		Manual setting	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		Text	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		Text/Photo	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		Photo	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	Orig.> Copy (Original)	Single-Sided	○	○	▲	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		Double-Sided	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
20		Book (Spreadsheet or Separation)	△	△	⑥	-	-	○	○	○	○	○	④	④	④	④	①	①	①	①	△	△	○	○	○	○	○
		Book Erase	△	△	⑥	-	-	○	○	○	○	○	④	④	④	④	①	①	①	①	△	△	○	○	○	○	○
	Orig.> Copy (Copy)	Single-Sided	△	△	○	○	○	○	○	○	○	○	④	④	④	④	○	○	○	○	○	○	○	○	○	○	○
		Double-Sided	△	△	▲	○	○	○	○	○	○	○	④	④	④	④	○	○	○	○	○	△	△	○	○	○	○
		Single-2in1	△	△	①	○	○	○	○	○	○	○	④	④	④	④	○	①	①	①	△	△	○	○	○	○	○
		Double-2in1	△	△	①	○	○	○	○	○	○	○	④	④	④	④	○	①	①	①	△	△	○	○	○	○	○
		Single-4in1	△	△	①	○	○	○	○	○	○	○	④	④	④	④	○	①	①	①	△	△	○	○	○	○	○
		Double-4in1	△	△	①	○	○	○	○	○	○	○	④	④	④	④	○	①	①	①	△	△	○	○	○	○	○
		Booklet Creation	△	△	①	○	○	○	○	○	○	⑧	⑧	⑧	⑧	○	○	○	○	①	①	△	△	○	○	○	○
		Mixed Orig Detection	①	①	○	○	○	○	○	○	○	○	④	④	④	④	○	①	①	①	○	○	○	○	○	○	○
		Original Orientation (*a)	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		Margin (*a)	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	△	△	○	○	○	○
	Finishing	Non-Sort	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		Sort	○	○	○	○	○	△	△	△	△	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		Group	○	○	○	○	○	△	△	△	△	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
		Staple	○	①	○	○	○	○	○	○	○	○	○	④	④	④	④	○	○	○	①	△	△	○	○	○	○
		Hole Punch	○	①	○	○	○	○	○	○	○	○	○	④	④	④	④	○	○	○	①	△	△	○	○	○	○
		Center Staple (+ Booklet Creation)	△	△	⑦	○	○	①	①	①	①	⑦	⑦	⑦	⑦	○	○	○	○	○	⑦	⑦	⑦	⑦	⑦	⑦	⑦
		Crease (+ Booklet Creation)	△	△	⑦	○	○	○	○	○	○	①	⑦	⑦	⑦	○	○	○	○	○	⑦	⑦	⑦	⑦	⑦	⑦	⑦

		1	2	3	3	7	9		12				18	19	20		25	26	25									
		Paper					Number of copies	Zoom		Density			Orig.->Copy (Original)			Orig.->Copy (Copy)												
Setting selected first	Setting selected later	Auto Paper	Paper drawer (*1)	Multiple bypass tray (OHP)	Multiple bypass tray (thick paper)	Multiple bypass tray (envelopes)	Multiple bypass tray (plain paper)	Single-sided only paper	Number setting	Auto Size	Preset zoom ratios	Entered zoom ratio	X/Y Zoom	Auto	Manual setting	Text	Text/Photo	Photo	Single-Sided	Double-Sided	Book (Spreadsheet or Separation)	Book Erase	Single-Sided	Double-Sided	Single-2in1	Double-2in1	Single-4in1	
Auxiliary	File Margin	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	Edge/Frame Erase	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	Page Insertion	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	Cover Mode	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
43	OHP Interleaving	①	①	①	①	①	①	①	—	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
44	Image Repeat	①	○	○	○	⑤	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	Separate Scan	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
47	Distribution #	○	○	○	○	⑤	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	Watermark	○	○	○	○	⑤	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	Black-White Reverse	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	Format Printing	○	○	○	○	⑤	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	Interrupt	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

		26	29	30	32	34	35	36	37	38	54	55	39	40	41	43	44	46	47	48	50				
	Setting selected later					Finishing						Auxiliary													
Setting selected first		Double-4in1	Booklet Creation	Mixed Orig Detection	Original Orientation (*b)	Margin (*b)	Non-Sort	Sort	Group	Staple	Hole Punch	Center Staple (+ Booklet Creation)	Crease (+ Booklet Creation)	File Margin	Edge/Frame Erase	Page Insertion	Cover Mode	OHP Interleaving	Image Repeat	Separate Scan	Distribution #	Watermark	Black-White Reverse	Format Printing	Interrupt
Auxiliary	File Margin	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
	Edge/Frame Erase	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
	Page Insertion	①	①	①	①	①	①	①	①	①	①	①	①	①	①	①	①	①	①	①	①	①	①	①	①
	Cover Mode	O	①	①	O	O	O	O	O	O	O	O	④	④	O	O	O	O	O	O	O	O	O	O	O
43	OHP Interleaving	①	①	O	O	O	O	O	①	①	④	④	④	④	①	①	①	①	①	①	①	①	①	①	①
44	Image Repeat	①	①	O	①	O	O	O	①	①	④	④	④	④	①	①	①	①	①	①	①	①	①	①	①
	Separate Scan	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
47	Distribution #	O	O	O	O	①	O	①	O	O	O	O	O	O	O	O	O	①	①	①	①	①	①	①	①
	Watermark	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
	Black-White Reverse	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
	Format Printing	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
	Interrupt	O	O	O	O	O	①	①	①	①	①	①	①	O	O	O	①	O	O	O	O	O	O	O	O

Function combination codes

- : The functions can be combined.
 - : The functions cannot be combined. Later functions cannot be set.
 - △: The function set last has priority. No warning message will appear. The function set first will be cancelled.
 - ▲: When making double-sided copies from single-sided documents, later functions cannot be set and a warning message appears.
 - \ : This is not a satisfactory combination since the first function is cancelled when other required simultaneous settings are specified. In addition, the other simultaneous settings are required for the setting selected later.
-
- ①: The function set first has priority. A warning message will appear. Later functions cannot be set.
 - ②: The “Auto Size” Zoom setting is selected.
 - ③: The “Sort” setting is automatically selected.
 - ④: The zoom setting specified using the “Multiple-in-1 and Booklet Copy Zoom” function on the User’s Choice screen is recalled.
 - ⑤: The function selected first is not performed.
 - ⑥: The function selected later is not performed.
 - ⑦: The zoom setting specified using the “Multiple-in-1 and Booklet Copy Zoom” function on the User’s Choice screen is recalled.
 - ⑧: The “2-Point Staple” setting is automatically changed to the “Center Staple” setting. The “Corner Staple” setting cannot be selected.
 - ⑨: These functions cannot be selected if the document is fed through the duplexing document feeder. The function set first has priority. No warning message will appear. The function selected later is not performed.
 - ⑩: These functions cannot be selected if the document is fed through the duplexing document feeder. The function set later has priority. No warning message will appear. The function selected first is not performed.
 - ⑪: The setting changes according to the setting specified from the User’s Choice screen.
 - ⑫: The settings can be specified, but the function selected first is not performed.
 - ⑬: The settings can be specified, but the function selected later is not performed.
 - ⑭: This setting cannot be selected since the “Booklet Creation” setting is not selected.

- *a: The function selected first is not performed if documents of mixed sizes are being copied. (*2)
 - *b: The function selected later is not performed if documents of mixed sizes are being copied. (*2)
 - ⑰: This setting cannot be selected since the “Booklet Creation” setting is selected.
 - ⑱: This setting cannot be selected since the “Book” setting is selected.
 - ⑲: This setting cannot be selected since the “Book” setting cannot be selected.
-
- : A warning message should appear.
 - : The settings can be selected, but either the function will automatically be cancelled or the function is not performed.

7.4 Paper Size and Zoom Ratio Tables

Paper Sizes

Paper Format	Metric Size	English Size
A3 Wide	311 mm × 457 mm	12-1/4 in. × 18 in.
A3	297 mm × 420 mm	11-3/4 in. × 16-1/2 in.
A4	210 mm × 297 mm	8-1/4 in. × 11-3/4 in.
A5	148 mm × 210 mm	5-3/4 in. × 8-1/4 in.
A6	105 mm × 148 mm	4-1/4 in. × 5-3/4 in.
B4	257 mm × 364 mm	10 in. × 14-1/4 in.
B5	182 mm × 257 mm	7-1/4 in. × 10 in.
B6	128 mm × 182 mm	5 in. × 7-1/4 in.

Paper Format		English Size	Metric Size
Ledger		11 in. × 17 in.	279 mm × 432 mm
11 in. × 14 in.		11 in. × 14 in.	279 mm × 356 mm
Computer		10-1/8 in. × 14 in.	257 mm × 356 mm
10 in. × 14 in.		10 in. × 14 in.	254 mm × 356 mm
9-1/4 in. × 14 in.		9-1/4 in. × 14 in.	236 mm × 356 mm
Legal		8-1/2 in. × 14 in.	216 mm × 356 mm
Foolscap	Government Legal	8-1/2 in. × 13 in.	216 mm × 330 mm
Foolscap		8 in. × 13 in.	203 mm × 330 mm
Foolscap		8-2/3 in. × 13 in.	220 mm × 330 mm
Foolscap	Folio	8-1/4 in. × 13 in.	210 mm × 330 mm
8-1/4 in. × 11-3/4 in.		8-1/4 in. × 11-3/4 in.	210 mm × 301 mm
Letter		8-1/2 in. × 11 in.	216 mm × 279 mm
Government Letter		8 in. × 10-1/2 in.	203 mm × 267 mm
Quarto		8 in. × 10 in.	203 mm × 254 mm
Statement	Invoice	5-1/2 in. × 8-1/2 in.	140 mm × 216 mm
4 in. × 6 in.		4 in. × 6 in.	102 mm × 152 mm

Zoom Ratios

Metric Sizes		
Document Paper Size	Desired Paper Size	Zoom Ratio
A3 297 mm × 420 mm 11-3/4 in. × 16-1/2 in.	A4	× 0.707
	A5	× 0.500
	B4	× 0.866
	B5	× 0.610
A4 210 mm × 297 mm 8-1/4 in. × 11-3/4 in.	A5	× 0.707
	A6	× 0.500
	B5	× 0.866
	B6	× 0.610
	A3	× 1.414
	B4	× 1.224
A5 148 mm × 210 mm 5-3/4 in. × 8-1/4 in.	A6	× 0.707
	B6	× 0.866
	A4	× 1.414
	A3	× 2.000
	B4	× 1.733
	B5	× 1.224
A6 105 mm × 148 mm 4-1/4 in. × 5-3/4 in.	A4	× 2.000
	A5	× 1.414
	B5	× 1.733
	B6	× 1.224
B4 257 mm × 364 mm 10 in. × 14-1/4 in.	A4	× 0.816
	A5	× 0.577
	B5	× 0.707
	B6	× 0.500
	A3	× 1.154
B5 182 mm × 257 mm 7-1/4 in. × 10 in.	A5	× 0.816
	A6	× 0.577
	B6	× 0.707
	A3	× 1.640
	A4	× 1.154
	B4	× 1.414

B6 128 mm × 182 mm 5 in. × 7-1/4 in.	A6	× 0.816
	A4	× 1.640
	A5	× 1.154
	B4	× 2.000
	B5	× 1.414

English Sizes		
Document Paper Size	Desired Paper Size	Zoom Ratio
Ledger 11 in. × 17 in. 279.4 mm × 431.8 mm	11 in. × 14 in.	× 0.823
	Legal	× 0.722
	Foolscap	× 0.764
	Letter	× 0.647
	Invoice	× 0.500
11 in. × 15 in. 279.4 mm × 381 mm	11 in. × 14 in.	× 0.933
	Legal	× 0.772
	Foolscap	× 0.772
	Letter	× 0.733
	Invoice	× 0.500
11 in. × 14 in. 279.4 mm × 355.6 mm	Legal	× 0.772
	Foolscap	× 0.772
	Letter	× 0.772
	Invoice	× 0.500
Legal 8-1/2 in. × 14 in. 215.9 mm × 355.6 mm	Foolscap	× 0.928
	Letter	× 0.785
	Invoice	× 0.607
	11 in. × 17 in.	× 1.214
Foolscap 8-1/2 in. × 13 in. 215.9 mm × 330.2 mm	Letter	× 0.846
	Invoice	× 0.647
	11 in. × 17 in.	× 1.294
	11 in. × 14 in.	× 1.076
Letter 8-1/2 in. × 11 in. 215.9 mm × 279.4 mm	Invoice	× 0.647
	11 in. × 17 in.	× 1.294
	11 in. × 14 in.	× 1.272

Invoice 5-1/2 in. × 8-1/2 in. 139.7 mm × 215.9 mm	11 in. × 17 in.	× 2.000
	11 in. × 14 in.	× 1.647
	Legal	× 1.545
	Foolscap	× 1.529
	Letter	× 1.294

Zoom ratio = Paper size/Document size

1 in. (inch) = 25.4 mm

1 mm = 0.0394 in. (inch)

7.5 Consumables

In order to maintain the condition of this machine, the following consumables are needed.

For best copy quality, we recommend that the specified supplies be used.

For information on or for purchasing supplies, contact your nearest technical representative.

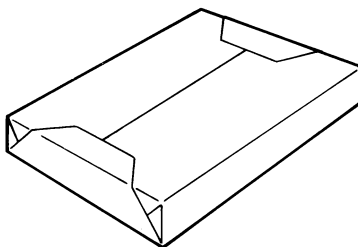
Paper

In addition to plain paper, thick paper and overhead projector transparencies are also available.



Note

In order to protect unwrapped paper from humidity, keep it in a plastic bag and stored in a cool, dark location.



Toner Bottle

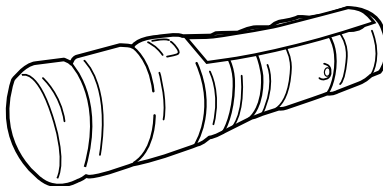
Toner is the black powder used to create the text and lines.



Note

Only use toner that has been manufactured specifically for this copier.

Do not throw away the used toner cartridges. Instead, keep them in their boxes to be collected by your service representative.

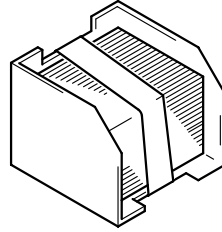


Staple Cartridges

MS-5D for the finisher

Staples for staple binding

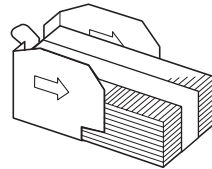
5,000 staples are provided in the staple cartridge.



MS-2C for the saddle kit

Staples for staple binding

2,000 staples are provided in the staple cartridge.



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