EPA ENERGY STAR ® (MFD)

The United States Environmental Protection Agency (EPA) has introduced a voluntary program, the ENERGY STAR program, to encourage the widespread and voluntary use of energy-efficient technologies that enhance the workplace, improve product performance and prevent pollution. As an ENERGY STAR Partner, the TOSHIBA TEC CORPORATION has determined that this copier model meets the ENERGY STAR guidelines for energy efficiency.

ENERGY STAR guidelines for this class of copier require ENERGY STAR copiers to have a ‘Sleep mode’ feature that automatically makes the copier enter the sleep mode after a period of inactivity. The copier must also automatically change to a ‘Low power mode’ after a certain period of time since the last usage. Specifically, this copier complies with the following requirements.

**Low power mode:**
The equipment automatically enters this mode when a specified period of time (the default setting at the time of shipment: 15 minutes) has passed since its last use. “Saving energy” appears on the LCD screen.

**Sleep mode:**
The equipment automatically enters this mode when a specified period of time (the default setting at the time of shipment: 30 minutes) has passed since its last use. “Sleep mode” appears on the LCD screen.

A maximum of 70 W (in the sleep mode) is provided as standard power consumption in the ENERGY STAR. The power consumption of this equipment is within the provided one both in the lower power mode and sleep mode.

**Note 1:** The period from the last use to the time the equipment enters into the sleep mode or the low power mode can be changed. See the following page for details:

P.130 “Timer Setting”

**Note 2:** In the sleep mode, the equipment starts warming itself up when print data are received, or when any button on the control panel is pressed. When the warm-up has completed, the equipment enters into the ready status and starts printing out the data.

In accordance with EPA ENERGY STAR program guidelines, TOSHIBA recommends the following recycled paper.

Great White MultiUse 20 paper
If you have any questions regarding the use of recycled paper or some recommended types of recycled paper, please contact your authorized TOSHIBA dealer.

ENERGY STAR is a U.S. registered mark.
## Notice to Users

### USE OF RECYCLED PAPER IN THE COPIER

As with all copiers and reproduction devices, the use of the appropriate paper ensures the best image quality of the copies and the machine’s performance and reliability. Because of the extreme variances in composition and quality of paper from various manufacturers, consumers should ensure the recycled paper they use is suitable for the copier. In accordance with the EPA Energy Star Program guidelines, TOSHIBA recommends the following recycled paper for use in the copier:

Great White MultiUse 20 paper

If you have any questions regarding the use of recycled paper in your copier, contact your authorized service technician.

### FCC NOTICE

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**

Changes or modification made to this equipment, not expressly approved by TOSHIBA TEC or parties authorized by TOSHIBA TEC, could void the user’s authority to operate the equipment.

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.

### User Safety

This TOSHIBA multifunctional digital systems does not produce laser radiation hazardous to the user. It is certified as a Class 1 laser product under the U.S Department of Health and Human Services (DHHS) Radiation Performance Standard according to the Radiation Control Health and Safety Act of 1968.

Protective housing and external covers completely confine the laser beam light emitted inside the multifunctional digital systems. The laser beam cannot escape from the machine during any phase of user operation.

Regulations implemented on August 2, 1976 by the Bureau of Radiological Health (BRH) of the U.S Food and Drug Administration apply to laser products manufactured from August 1, 1976. Laser products marketed in the United States must comply with these regulations.

**CAUTION**

Using controls or adjustments or performing procedures, other than those specified herein may result in hazardous radiation exposure.
Thank you for purchasing the TOSHIBA multifunctional digital systems e-STUDIO165/205. We have provided you with these manuals for the operation of this equipment. Select and read the manual best suited to your needs.

**Operator’s Manual for Copying Functions**
This manual describes the basic operations, mainly copying functions, of this equipment. Also this manual describes safety precautions to ensure correct and safe use of this equipment. Be sure to read this before you use the equipment.

**Operator’s Manual for TOSHIBA Viewer (PDF)**
This manual describes how to use the co-packed application software TOSHIBA Viewer, and how to print data from other Windows applications to this equipment.

**To read manuals in PDF (Portable Document Format) files**
Viewing and printing this operator’s manual in PDF files require that you install Adobe Reader or Adobe Acrobat Reader on your PC. If Adobe Reader or Adobe Acrobat Reader is not installed on your PC, download and install it from the website of Adobe Systems Incorporated.
Before Reading This Manual

This operator’s manual describes the following:
- How to use this equipment
- How to inspect and carry out maintenance on this equipment
- How to remedy mechanical and copying problems

Precautions in this manual

To ensure correct and safe use of this equipment, this operator’s manual describes safety precautions according to the three levels shown below. You should fully understand the meaning and importance of these items before reading this manual.

**Warning** Indicates a potentially hazardous situation which, if not avoided, could result in death, serious injury, or serious damage, or fire in the equipment or surrounding assets.

**Caution** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury, partial damage of the equipment or surrounding assets, or loss of data.

**Note** Indicates information to which you should pay attention when operating the equipment.

Other than the above, this manual also describes information that may be useful for the operation of this equipment with the following signage:

**Tip** Describes handy information that is useful to know when operating the equipment.

_pages_ Pages describing items related to what you are currently doing. See these pages as required.
Description of original/paper direction

Paper or originals of LT size can be placed either in a portrait direction or in a landscape direction. In this manual, "-R" is added to this paper size when this size of paper or original is placed in a landscape direction.

e.g.) LT size original on the original glass

Placed in a portrait direction: LT
Placed in a landscape direction: LT-R

Paper or originals of LD or LG size can only be placed in a landscape direction, therefore "-R" is not added to these sizes.

Screens

Screens on this manual may differ from the actual ones depending on the use-environment of the equipment such as the installing status of options.

Trademarks

- Microsoft and Windows are the trademarks of Microsoft Corporation in the US and other countries.
- Adobe, Acrobat, Adobe Reader and Adobe Acrobat Reader are the trademarks of Adobe Systems Incorporated.
- Other company or product names shown in this manual may be a brand name or a trademark of each company.

©2006 TOSHIBA TEC CORPORATION All rights reserved
Under the copyright laws, this manual cannot be reproduced in any form without prior written permission of TOSHIBA TEC CORPORATION. No patent liability is assumed, however, with respect to the use of the information contained herein.
CONTENTS

Notice to Users ........................................................................................................ 1
Lineup of Our Manuals .......................................................................................... 2
Before Reading This Manual .............................................................................. 3
TOSHIBA Quality is Second to None .................................................................... 11
Features of e-STUDIO165/205 .......................................................................... 14
General Precautions ............................................................................................. 15
How to Use Antiskid Devices .............................................................................. 20
Disclaimer Notice .................................................................................................. 21

Chapter 1 PREPARATION

Description of Each Component ............................................................................ 24
  Front / Right side ............................................................................................. 24
  Left side / Inner side ....................................................................................... 26
  Configuration of options .................................................................................. 28
  Control panel .................................................................................................... 29
  “Copy mode” main screen ................................................................................ 32
Preparation 1 - Turning Power ON ........................................................................ 33
  Turning power ON ........................................................................................... 33
  Saving energy when not in use - Energy saving mode ....................................... 34
Preparation 2 - Placing Copy Paper ....................................................................... 35
  Acceptable media types ................................................................................... 35
  Recommended paper ........................................................................................ 36
  Placing paper in drawers ................................................................................ 37
  Placing paper in the drawers of Paper Feed Pedestal (optional) ....................... 41
Preparation 3 - Registering Size of Paper Placed .................................................... 45
  Registering standard size (LD, LT, LT-R, LG, ST-R) ......................................... 45
  Registering other standard sizes ..................................................................... 47

Chapter 2 HOW TO MAKE COPIES

Placing Originals .................................................................................................... 50
  Acceptable originals ....................................................................................... 50
  Placing originals on the original glass ............................................................ 51
  Placing booklet-type originals such as books or catalogs ............................... 52
  Using Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional) ............................................................... 53
  Placing originals on Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional) ............................................................... 54
Making Copies ....................................................................................................... 55
  Stopping/Resuming copying ........................................................................... 57
Interrupting copying and making another copy - Interrupt copy - ............58

Using Bypass Tray ..............................................................................................59
Preparation - Registering paper size placed on bypass tray..........................60
Bypass copying on standard size paper ..............................................................64

Chapter 3 COPYING FUNCTIONS

Before Making Copies.......................................................................................68
Default settings.................................................................................................68
Confirming set functions....................................................................................68

Paper Selection..................................................................................................69
Automatic paper selection (APS).................................................................69
Manual paper selection...................................................................................70

Copying Different Sizes in One Go - MIXED-SIZE COPYING - ....................72

Zooming In/Out Copy Image............................................................................74
Automatic magnification selection (AMS)....................................................74
Specifying both the sizes of the original and the copy paper .......................76
Specifying reproduction ratio manually.........................................................77

Selecting Image Mode......................................................................................79

Adjusting Density Level..................................................................................80

Chapter 4 ADVANCED COPYING FUNCTIONS

Copy Menu ........................................................................................................82
Operating in copy menu..................................................................................82
Copy function list.............................................................................................83

Copying in Same Page Order as Originals - Sort Copying - .........................84

Sorting Alternately One Set by One - ALTERNATION - .............................86

Sorting in Magazine Type Arrangement - MAGAZINE SORT - .................87

Shifting Paper to Make Margin - IMAGE SHIFT - .......................................89

Erasing Shadow on Edge - EDGE ERASE - ..............................................91

Copying on Both Sides - DUPLEX - ............................................................93
Copying on one side.......................................................................................94
Copying on both sides..................................................................................95
Copying booklet on both sides ......................................................................97

Copying Right and Left Pages Separately - DUAL PAGE - .........................100

Printing Page Number, Date and Time - ANNOTATION - ...........................102

Changing Copy Setting on Each Job - JOB BUILD - ..................................104

Copying 2 or 4 Pages into 1 Page - 2IN1/4IN1 - ......................................106
Chapter 5  CHANGING EQUIPMENT’S SETTINGS

Before Changing the Settings ................................................................. 119
  Displaying the “user functions mode” main screen.......................... 119
  Operating buttons for changing the settings.................................. 120

Date and Time .......................................................................................... 122
  Clock setting ......................................................................................... 122
  Date and time display ......................................................................... 124

Display Language Setting ................................................................. 125

Paper Size Setting ................................................................................. 126

Walkup Screen Setting .......................................................................... 128

Timer Setting .......................................................................................... 130
  Time of automatic function clear ...................................................... 130
  Time of automatic low power mode ............................................... 132
  Time of automatic sleep mode ......................................................... 134

Weekly Timer Setting ............................................................................ 136

Volume Adjustment ............................................................................... 139

Touch Key Tone Setting ......................................................................... 141

Department Code .................................................................................. 143
  Setting department codes ............................................................... 143
  Changing department names or codes ............................................ 147
  Deleting department codes .............................................................. 150
  Clearing counter values .................................................................. 152
  Printing out counter values .............................................................. 154
  Canceling department management ................................................. 155

Menu Customize ...................................................................................... 157

APS / AMS ................................................................................................. 159

Image Mode .............................................................................................. 161

Density Adjustment ............................................................................... 163

Finishing Mode ......................................................................................... 165

Various List Printing ............................................................................... 167

Menu List Printing .................................................................................. 169
Chapter 6  TROUBLESHOOTING

When This Message Appears .................................................................................172

Paper Jams ..............................................................................................................174
  Checking position of paper jams ..................................................................174
  When paper jams occur frequently ..............................................................175
  When releasing jammed paper .....................................................................175
  Paper jams within Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional) ............................................................176
  Paper jams on bypass tray ...........................................................................177
  Paper jams within Automatic Duplexing Unit (optional) ..........................179
  Paper jam behind transfer unit ....................................................................181
  Paper jams within fuser unit ........................................................................183
  Paper jams within Paper Feed Unit (optional) ..........................................185
  Paper jams within Paper Feed Pedestal (optional) ......................................186

Replacing Toner Cartridge ......................................................................................187

Before Calling Service Technician ........................................................................194
  General operation ............................................................................................194
  Toner-related items ........................................................................................195
  Original/Copy paper-related items .................................................................196
  Image trouble ....................................................................................................197

Chapter 7  MAINTENANCE AND INSPECTION

Daily Inspection ......................................................................................................200
  Cleaning charger .............................................................................................201
  Cleaning transfer charger ..............................................................................202

Chapter 8  SPECIFICATIONS AND OPTIONS

e-STUDIO165/205 Specifications ..............................................................................206
  Continuous copying speed .............................................................................207

Specifications of Options ......................................................................................208

Packing List ............................................................................................................210

Copying Function Combination Matrix .............................................................211
  Combination Matrix 1/2 ..................................................................................211
  Combination Matrix 2/2 ..................................................................................212

List Print Format .....................................................................................................213
  Department code list .......................................................................................213
  Function list .......................................................................................................214
Supply notice list.................................................................215
Mailbox list.................................................................................216
Configuration page list............................................................217
NIC status page list.................................................................218
Menu list..................................................................................219

INDEX ........................................................................................................221
Co-packed toner cartridge

The toner cartridge illustrated below is co-packed with the equipment.
Recommended toner cartridges

To assure optimal printing performance, we recommend that you use TOSHIBA toner cartridges.

If you use a TOSHIBA-recommended toner cartridge, you can utilize the following two check functions of this equipment:

Cartridge detecting function:
This function checks if the toner cartridge is correctly installed and notifies you if it is not.

Toner remaining check function:
This function notifies you when there is little toner remaining in the cartridge, as well as notifying it to your service representative automatically by the remote service.

Any copying or printing operation is available even if you are using a toner cartridge other than the one we recommend. In that case, however, the equipment cannot detect whether the toner cartridge is installed or not and therefore an error message “Toner not recognized” appears on the LCD screen, even if the toner cartridge is correctly installed. You cannot utilize the toner remaining check function and the remote service function notifying your service representative automatically either.

If you are using a toner cartridge other than the one we recommend and you feel annoyed by this message, contact your service representative. Your service technician will cancel the cartridge detecting function set by default. Remember once this function has been canceled, you will not be able to utilize the two functions mentioned above even if you change the cartridge to the one we recommend.
Supplies / Parts

Dependability
Genuine TOSHIBA supplies are subjected to the strictest of inspections so that every supply you receive will perform at optimal levels.

High Productivity
Genuine TOSHIBA supplies are created to meet the demands of our competitive world and provide high-speed reliable copies when you need them.

Stable Image Quality
Genuine TOSHIBA supplies are designed to provide consistently stable image output.

Copier Friendly Supplies
Genuine TOSHIBA supplies are designed to help keep the equipment and all its parts in trouble-free working order. Reduction of machine wear is due to TOSHIBA’s intimate knowledge of the equipment’s characteristics ensuring the highest standard of care.

Perfectly Suited Supplies
From the beginning TOSHIBA supplies and machines were made for each other. Whenever TOSHIBA designs a new machine, it also designs a new toner that is made just for that machine. By using genuine TOSHIBA supplies with TOSHIBA equipment, you are guaranteed optimum performance.

Toner

Optimum Image Quality
TOSHIBA toner is manufactured using ultra-fine quality materials under precisely controlled conditions to ensure that your TOSHIBA equipment will continually generate sharp high-quality images.

Cost Advantage
Genuine TOSHIBA toner provides value. Only the proper amount of toner is used during the reproduction process, thereby enabling the machine to continue to operate until all the toner has been used. In this way you get the full value from each cartridge used.

Environmental Harmony
Genuine TOSHIBA toner is manufactured with the environment in mind. To protect our planet for the benefit of future generations, we use embossed or plastic labels making our toner cartridges fully recyclable. In addition, dust and ozone levels have been reduced to improve the working environment.

User Friendly
Before approving our toners for sale, we test them to be sure that they pass the strictest of health standards. This takes all the worry out of handling the toner.

General

Service and Support Benefits
TOSHIBA’s Service technicians are certified to keep your equipment performing at optimum levels. To ensure continuous image quality, utilize an authorized TOSHIBA Service provider to care for and perform periodical maintenance on your equipment.
Features of e-STUDIO165/205

A black-and-white copier the e-STUDIO165/205 has realized the copying speed of 16 copies per minute\(^1\) (the e-STUDIO165) and also the copying speed of 20 copies per minute\(^1\) (the e-STUDIO205). Both of them can be a printer and a scanner when they are connected to your PC with a USB cable\(^2\),\(^3\).

The e-STUDIO165/205 also has functions as a Fax, a network scanner and a network printer, namely, it remarkably saves time and space at your workplace.

Lightweight and space-saving equipment with more emphasis on basic functions

- The receiving tray is relocated to the equipment’s inner side, occupying as little space as possible.
- Operability of the control panel has been upgraded with its larger buttons and LCD screen.
- A wide range of paper sizes from LD to ST-R are acceptable.
- The bypass tray equipped as a standard unit makes copying on various media types such as overhead transparencies possible.
- Scanning data with a TWAIN driver is enabled as a standard function.
- A rich variety of convenient copying functions are adopted.

Functions extended by various options

- The Reversing Automatic Document Feeder (RADF) / Automatic Document Feeder (ADF) dramatically saves the time when you need to copy massive amounts of originals.
- The Scanner Upgrade Kit promotes paperless at your office.
- The Fax Kit can add a function as a Fax machine.
- The Network Printer Kit works as a shared printer at your office.
- The Paper Feed Unit (PFU), the Paper Feed Pedestal (PFP) and the Drawer Module can add maximum 4 more drawers.
- The Expansion Memory can increase the maximum number of originals which can be scanned in one go when the finishing mode is used.

Ecological energy-saving design

- The toner recycling system in which used toner is recovered and reused is adopted.
- Its warm-up time is shortened to approx. 25 seconds\(^4\).
- The low power mode, which reduces unnecessary electric power by having the fuser unit temperature lowered while the equipment is left inactive, is adopted.
- The sleep mode, which maintains the smallest possible power consumption during the equipment’s inactive period after it has not been used within a specified period of time, is adopted.

\(^{1}\) These speeds are realized in the non-sort mode, when LT originals placed in a portrait direction are continuously copied and the Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional) is not used.

\(^{2}\) When this equipment is used as a printer, the co-packed software needs to be installed into your PC.

\(^{3}\) When the equipment is used as a network printer with the Network Printer Kit (optional) installed, it cannot be connected with your PC with a USB cable and used as a local printer.

\(^{4}\) This is the value when the room temperature is 20 °C or more at rated power input.
General Precautions

When installing or moving

Warning

- This equipment requires 115 V, 12 A, 50/60 Hz electric power. Do not use a power supply with a voltage other than that specified. Avoid multiple connections in the same outlet. This could cause a fire or give you an electric shock. If you are considering increasing the number of outlets, contact an electrician.
- Always connect this equipment to an outlet with a ground connection to avoid the danger of fire or electric shock in case of short-circuiting. Contact your service representative for the details. Be sure to use a 3-conductor, grounded wall outlet. In areas, except the U.S. and Canada, where a 2-pin plug is used, the equipment must be grounded for safety. Never ground it to a gas pipe, a water pipe, or any other object not suitable for grounding.
- Plug the power cable securely into the outlet. If it is not plugged in properly, it could heat up and cause a fire or give you an electric shock.
- Do not damage, break or attempt to repair the power cable. The following things should not be done to the power cable.
  - Twisting it
  - Bending it
  - Pulling it
  - Placing anything on it
  - Making it hot
  - Situating it near radiators or other heat sources
    This could cause a fire or give you an electric shock. If the power cable is damaged, contact your service representative.
- Do not install the equipment by yourself or try to move it once it has been installed. This could result in an injury or damage to the device. Contact your service representative if the equipment needs to be installed or moved.
- Pull the plug out from the outlet more than once a year to clean around the prongs. Accumulating dust and dirt could cause a fire due to the heat released by electric leakage.
Caution

- Avoid placing the equipment in a place unsuitable for its weight and also make sure the surface is level.
  Remember that if the equipment falls over, serious injuries could result.
  Weight of the equipment: approx. 71.7 lb.
- Be sure to use the adjusters (safety stopper) to fix the equipment firmly to the floor after moving/installing it. Make certain that the equipment is steady. If it moves, it could fall over and injure someone.
  P.20 “How to Use Antiskid Devices”
- When removing the plug from the outlet, do not pull the power cable. Always hold the plug when removing it from the outlet. If the power cable is pulled, the wires may become broken and this could cause a fire or give you an electric shock.
- Make sure that the ventilation holes are not blocked up.
  If the temperature within the equipment becomes too high, a fire could result.
- When connecting the interface cable to the equipment, be sure to turn the power OFF. If the power is not turned off, you could get an electric shock.

Other points

- The socket outlet shall be installed near the equipment and shall be easily accessible.
- Make sure that there is enough space around the system to facilitate changing of parts, maintenance and clearing paper jams.
  If there is insufficient space, some operations, such as bypass feeding, will become difficult and the equipment could even break down.
  To insure optimal operation, allow clearances of at least 31.5" on the right, and 3.9" on the left and behind.

- Be sure to fix the power cable securely so that no one trips over it.
- Adverse environmental conditions may affect the safe operation and performance of the equipment, and the equipment could break down.
  - Avoid locations near windows or with exposure to direct sunlight.
  - Avoid locations with drastic temperature fluctuations.
  - Avoid too much dust.
  - Avoid locations that suffer from vibration.
- Allow the air to flow freely and make sure of ventilation.
  With inadequate ventilation, the unpleasant odor released by the ozone will begin to dominate the atmosphere.
When using the equipment

**Warning**

- Do not take off the cover of the equipment; otherwise you could be injured or get an electric shock.
- Do not remove or connect the plug with wet hands, as this could give you an electric shock.
- Do not place any container with liquid (flower vases, coffee cups, etc.) on or near the equipment. This could cause a fire or give you an electric shock.
- Keep paper clips and staples away from the air vent. If not, a fire could result or you could get an electric shock.
- If the equipment becomes excessively hot, smoke comes out of it or there is an odd smell or noise, proceed as follows.
  - Turn the power OFF and remove the plug from the outlet, then contact your service representative.
- If the equipment will not be used for more than one month, remove the plug from the outlet for safety purposes during that time.
  - If an insulation failure occurs, this could cause a fire or give you an electric shock.

**Caution**

- Do not place heavy objects (9 lb. or more) on the original glass and do not press on it with force. Breaking the glass could cause personal injury.
- Do not place heavy objects (9 lb. or more) on the equipment. If the objects fall off, this could cause injury.
- Be careful not to let your fingers be caught when closing the drawer. This could injure you.
- Do not touch the fuser unit or the metal area around it. Since they are very hot, you could be burned or the shock could cause you to get your hand injured in the machine.
- Be careful not to let your fingers be caught between the equipment and the side cover. This could injure you.
- Do not touch the hinge (= a connecting part) on the rear side of the Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional). This could catch and injure your fingers when you open or close the Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional).
Position of Certification label, etc.

Certification label

Product is certified by the manufacturer to comply with DHHS Rule 21 CFR subchapter J applicable at the date of Manufacture.

Explanatory label

Identification label

Warning label

Warning for high-temperature areas

(ventilation holes)

Warning for high-temperature areas

(fuser unit)
Other points

- Do not turn the power OFF with jammed paper left inside the equipment. This could cause malfunctions when the main switch is turned ON next time.
- Be sure to turn the power OFF when leaving the office or if there is a power failure.
- Be careful because the paper exit area and paper just after exiting are hot.
- Do not place anything other than paper on the receiving tray. This could disturb a normal operation and cause malfunctions.
- Do not touch the photoconductive drum surface or the transfer charger. This could cause image problems.

During maintenance or inspection

Warning

- Never attempt to repair, disassemble or modify the equipment by yourself. You could cause a fire or get an electric shock.
  Always contact your service representative for maintenance or repair of the internal parts of the equipment.
- Do not let liquids such as water and oil get into the system when cleaning the floor. This could cause a fire and give you an electric shock.

Caution

- Always keep the plug and outlet clean. Prevent them from accumulating dust and dirt. This could cause a fire and give you an electric shock due to the heat released by electric leakage.

Other points

- Do not use such solvents as thinner or alcohol when cleaning the surface of the equipment.
  - This could warp the shape of the surface or leave it discolored.
  - When using a chemical cleaning pad to clean it, pay attention to any cautionary points.

When handling supplies

Warning

- Never attempt to incinerate toner cartridges. Dispose of used toner cartridges in accordance with local regulations.
How to Use Antiskid Devices

The Paper Feed Pedestal (optional) has 4 antiskid devices and 2 fall-preventing stoppers under its bottom. When moving this equipment, turn them in the direction of arrows (see figures below) and raise them to unfix the equipment. After it has been moved, be sure to turn them in the opposite direction and lower them to fix it.

**Warning**

*Do not install the equipment by yourself or try to move it once it has been installed.*

This could result in an injury or damage to the device. Contact your service representative if the equipment needs to be installed or moved.
Disclaimer Notice

The following notice sets out the exclusions and limitations of liability of TOSHIBA TEC CORPORATION (including its employees, agents and sub-contractors) to any purchaser or user ("User") of the e-STUDIO165/205, including its accessories, options and bundled software ('Product').

1. The exclusion and limitations of liability referred to in this notice shall be effective to the fullest extent permissible at law. For the avoidance of doubt, nothing in this notice shall be taken to exclude or limit TOSHIBA TEC CORPORATION’s liability for death or personal injury caused by TOSHIBA TEC CORPORATION’s negligence or TOSHIBA TEC CORPORATION’s fraudulent misrepresentation.

2. All warranties, conditions and other terms implied by law are, to the fullest extent permitted by law, excluded and no such implied warranties are given or apply in relation to the Products.

3. TOSHIBA TEC CORPORATION shall not be liable for any loss, cost, expense, claim or damage whatsoever caused by any of the following:
   (a) use or handling of the Product otherwise than in accordance with the manuals, including but not limited to Operator’s Manual, User’s Guide, and/or incorrect or careless handling or use of the Product;
   (b) any cause which prevents the Product from operating or functioning correctly which arises from or is attributable to either acts, omissions, events or accidents beyond the reasonable control of TOSHIBA TEC CORPORATION including without limitation acts of God, war, riot, civil commotion, malicious or deliberate damage, fire, flood, or storm, natural calamity, earthquakes, abnormal voltage or other disasters;
   (c) additions, modifications, disassembly, transportation, or repairs by any person other than service technicians authorized by TOSHIBA TEC CORPORATION;
   (d) use of paper, supplies or parts other than those recommended by TOSHIBA TEC CORPORATION.

4. Subject to paragraph 1, TOSHIBA TEC CORPORATION shall not be liable to Customer for:
   (a) loss of profits; loss of sales or turnover; loss of or damage to reputation; loss of production; loss of anticipated savings; loss of goodwill or business opportunities; loss of customers; loss of, or loss of use of, any software or data; loss under or in relation to any contract; or
   (b) any special, incidental, consequential or indirect loss or damage, costs, expenses, financial loss or claims for consequential compensation;

   whatsoever and howsoever caused which arise out of or in connection with the Product or the use or handling of the Product even if TOSHIBA TEC CORPORATION is advised of the possibility of such damages.

TOSHIBA TEC CORPORATION shall not be liable for any loss, cost, expense, claim or damage caused by any inability to use (including, but not limited to failure, malfunction, hang-up, virus infection or other problems) which arises from use of the Product with hardware, goods or software which TOSHIBA TEC CORPORATION has not directly or indirectly supplied.
PREPARATION

This chapter describes what you need to know before using this equipment, such as how to turn the power ON or how to set copy paper.

Description of Each Component .........................................................................................................................24
  Front / Right side...............................................................................................................................................24
  Left side / Inner side.........................................................................................................................................26
  Configuration of options.....................................................................................................................................28
  Control panel....................................................................................................................................................29
  “Copy mode” main screen.................................................................................................................................32

Preparation 1 - Turning Power ON.......................................................................................................................33
  Turning power ON..............................................................................................................................................33
  Saving energy when not in use - Energy saving mode - ..................................................................................34

Preparation 2 - Placing Copy Paper ..................................................................................................................35
  Acceptable media types..................................................................................................................................35
  Recommended paper.......................................................................................................................................36
  Placing paper in drawers.................................................................................................................................37
  Placing paper in the drawers of Paper Feed Pedestal (optional).................................................................41

Preparation 3 - Registering Size of Paper Placed............................................................................................45
  Registering standard size (LD, LT, LT-R, LG, ST-R) ....................................................................................45
  Registering other standard sizes....................................................................................................................47
1. **Platen Cover (optional, KA-1640PC)**
   Place an original on the original glass and start copying with this cover closed.

   A stack of originals placed on this are scanned one sheet after another. Maximum 100 sheets (or stack height 0.62") of originals can be placed in one go. (The maximum number of sheets can be placed may vary depending on the media type of the originals.) 2-sided originals can be scanned with the Reversing Automatic Document Feeder (MR-3019).
   - P.54 “Placing originals on Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional)”
   - P.176 “Paper jams within Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional)”

3. **Operator’s Manual pocket (Back side)**
   Keep the Operator’s Manual in this.

4. **Side cover**

5. **Bypass tray**
   Use this to make copies on special media types such as thick paper, overhead transparencies or tracing paper.
   - P.59 “Using Bypass Tray”
   - P.179 “Paper jams on bypass tray”

6. **Paper feed cover (Upper: Paper Feed Unit / Lower: Paper Feed Pedestal)**
7. **Paper size indicator**

8. **Drawer Module (optional, MY-1028)**
   
   Use this to add one more drawer to the Paper Feed Pedestal (optional, KD-1013). The maximum 550 sheets of plain paper can be placed at once.

9. **Paper Feed Pedestal (optional, KD-1013)**
   
   Use this to add one more drawer to the equipment. Moreover, the Drawer Module (MY-1028) (8) can add another drawer to it. In one drawer, the maximum 550 sheets of plain paper can be placed at once.

10. **Paper Feed Unit (optional, MY-1027)**
   
   Use this to add one more drawer to the equipment. A maximum of 250 sheets of plain paper can be placed in one go.

11. **Drawer**
   
   Maximum 250 sheets of plain paper can be placed in one go.

12. **Front cover**
   
   Open this cover when you replace the toner cartridge.

   P.187 “Replacing Toner Cartridge”
Left side / Inner side

1. **Original glass**
   Use this to copy three-dimensional originals, book-type originals and special paper such as overhead transparencies or tracing paper, as well as plain paper.
   
   P.50 “Placing Originals”

2. **Control panel**
   Use this to perform copying, key in the copy quantity, or set other functions.
   
   P.29 “Control panel”

3. **External Keyboard (optional, GJ-1040)**
   Use this when using the optional scanning and Fax functions to select destinations.

4. **Toner cartridge**
   
   P.12 “Recommended toner cartridges”
   
   P.187 “Replacing Toner Cartridge”

5. **Power switch**
   
   Turn the power of the equipment ON or OFF with this.
   
   P.33 “Preparation 1 - Turning Power ON”

6. **Paper exit stopper**
   
   Use this to prevent the exiting paper from falling. Open this when you make a large amount of copies on a larger size of paper (e.g. LD, LG).

7. **AC-IN terminal**
   
   Use this to connect the co-packed power cable and the equipment.
8. **USB terminal (4-pin)**
With this terminal, the equipment can be connected to your PC using a commercially available USB cable.

**Notes**
- Use a USB2.0 Hi-Speed certified cable: USB cable supporting the USB2.0 Hi-Speed mode (480 Mbps of transfer speed) certified by the USB Implementers Forum.
- Connect the equipment with a PC directly by the USB cable. When it is connected with a PC via a USB hub, the equipment may not be recognized.

9. **Receiving tray**

10. **Scanning area**

11. **Original scale**
Use this to check the size of an original placed on the original glass.

12. **Platen sheet**

[200 “Daily Inspection”]
Configuration of options

The options listed below are available. Contact your service technician or service representative for the details.

- Platen Cover (KA-1640PC)
- External Keyboard (GJ-1040)
- Expansion Memory (GC-1240)
- Fax Kit (GD-1220NA)
- Paper Feed Unit (MY-1027)
- Paper Feed Pedestal (KD-1013)
- Reversing Automatic Document Feeder (MR-3019)
- Network Printer Kit (GA-1190)
- Scanner Upgrade Kit (GA-1200)
- Automatic Duplexing Unit (MD-0103)
- Drawer Module (MY-1028)
1. **APS/AMS selecting button/lamps**
   - **Automatic paper selection (APS):** The equipment detects the size of original and automatically selects the same size of copy paper.
     - P.69 “Paper Selection”
   - **Automatic magnification selection (AMS):** Set the size of copy paper to be used in advance. The equipment then detects the size of original and automatically selects the most suitable reproduction ratio to the copy paper.
     - P.74 “Automatic magnification selection (AMS):”

2. **[MIXED SIZE] button/lamp**
   - Use this to copy originals whose sizes are different.
   - For the details of the mixed-size copying, see the following page:
     - P.72 “Copying Different Sizes in One Go - MIXED-SIZE COPYING -”

3. **[ENERGY SAVER] button**
   - Use this to let the equipment enter into the energy saving mode when the equipment is not used.
   - For the details of the energy saving mode, see the following page:
     - P.34 “Saving energy when not in use - Energy saving mode -”

4. **[INTERRUPT] button**
   - Use this to interrupt the copy job in process and perform another one (= interrupt copying).
   - For the details of interrupt copying, see the following page:
     - P.58 “Interrupting copying and making another copy - Interrupt copy -”

5. **[USER FUNCTIONS] button**
   - Use this to change the equipment’s default settings.
   - For the details of default setting change, see the following page:
     - P.117 “CHANGING EQUIPMENT’S SETTINGS”
6. [SETTINGS] button
   Use this to confirm the copying functions currently set.
   P.68 “Confirming set functions”

7. Selecting button A / B / C
   Use them to select items or operation in each menu. Items or operation corresponding to
   each button appears at the lower section of the LCD screen.
   e.g.) “Copy mode” main screen
   P.32 ““Copy mode” main screen”

8. LCD screen
   Use this to check each menu and error messages displayed on it.
   P.32 ““Copy mode” main screen”

9. Digital keys
   Use them to key in any number such as copy quantity.

10. FAX TX/RX lamp
    This lamp blinks at the transmission and reception of Fax data.

11. Function switching buttons
    Use them to switch functions among copying, printing, scanning and Fax.

    Note
    To utilize the scanning functions, the Scanner Upgrade Kit (optional) is required.
    To utilize the Fax functions, the Fax Kit (optional) is required.

12. [FUNCTION CLEAR] button/lamp
    Use this to clear the set copy functions.

13. Contrast adjustment volume
    Use this to adjust the brightness level of the LCD screen (8).

14. [CLEAR/STOP] button
    Use this to stop the copy job in process or return the copy quantity keyed in to “1”.

15. [START] button
    Use this to start copying. Copies can be made when the lamp is lit. It blinks when the equip-
    ment is waiting for copying to be started.
    For basic copy operations, see the following page:
    P.55 “Making Copies”
16. Alarm lamp
   This lamp blinks when an error such as paper jams or running out of toner has occurred.
   P.172 “When This Message Appears”

17. [DATA] lamp
   This lamp blinks when print data are being received.

18. [CANCEL] button
   Use this to cancel the current setting and return to the previous menu.

19. [ENTER] button
   Use this to determine items or operation selected in each menu.

20. 🆙/🔺/뒈/▶ (UP/DOWN/LEFT/RIGHT) buttons
   Use them to select items you want to set in each menu. The selected item is highlighted.

21. Original mode button/lamps
   Use this button to set the image quality of copy according to that of an original.
   For the details of image quality, see the following page:
   P.79 “Selecting Image Mode”

22. Density adjustment buttons/lamps
   Use this button to adjust the density of copy image. The [AUTO] lamp below the
   (automatic copy density mode) button is lit when the density is being automatically adjusted.
   For the details of density adjustment, see the following page:
   P.80 “Adjusting Density Level”

23. [DRAWER] button/lamps
   Use this button to select a drawer or the bypass tray to be used as a paper source. The lamp
   of the paper source currently selected is lit. The lamp blinks when the selected drawer or tray
   is running out of paper.
   When paper in the drawer or on the bypass tray has run out, see the following page to add
   paper:
   P.35 “Preparation 2 - Placing Copy Paper”

24. [COPY] button/lamps
   Use this button to select the size of paper to be used. The lamp of the paper size currently
   selected blinks when this size of paper is not placed in the drawer or on the bypass tray.
   See the following page for details:
   P.70 “Manual paper selection”

25. [ORIGINAL] button/lamps
   Use this button to specify the size of an original.
   P.76 “Specifying both the sizes of the original and the copy paper”
“Copy mode” main screen

After the power of the equipment is turned ON and the warm-up is finished, the display below is shown on the LCD screen. This display is called the “copy mode” main screen.

1. Message area
   This area displays the current status of this equipment or error messages.

2. Copy quantity

3. Reproduction ratio

4. Selecting button display
   This area displays operation corresponding to each selecting button.
   - **ZOOM**: Use this to specify the reproduction ratio manually.
     - P.77 “Specifying reproduction ratio manually”
   - **Custom mode**: Use this to recall the copying function registered as a custom function. You can quickly recall functions frequently used by registering it on the custom mode.
     - P.157 “Menu Customize”
   - **EDIT**: This area displays the copy menu. Use this to recall the desired copying function.
     - P.82 “Copy Menu”

5. Custom mode setting
   This area displays the current setting of the function which has been registered as custom function.

Tip

This “copy mode” main screen appears by default after turning the power ON. You can display the main screen for the Fax function or the scanning function instead of the “copy mode” main screen by changing the default setting.
- P.128 “Walkup Screen Setting”
Preparation 1 - Turning Power ON

Turning power ON

1. Open the power switch cover, and then press the power switch to “|” (ON) side.

The equipment starts warming itself up. The warm-up time takes approx. 25 seconds. When the warm-up has finished, the equipment is ready for copying. “READY” appears on the LCD screen.

Tip
If you place an original and press the [START] button during the warm-up, copying automatically starts when the warm-up has finished (= auto job start). When the job is reserved, “Auto Start” appears on the LCD screen.

2. The LCD screen below is shown if the equipment is managed under the department code function. Key in the department code.

Key in a 5-digit department code, and then press the [ENTER] button. Then the equipment is ready for copying.

Tip
If the department code function is enabled, press the [FUNCTION CLEAR] button after any operation has been finished to prevent unauthorized use of the equipment. For the details of the department code, see the following page:
P.143 “Department Code”

Turning power OFF

Open the power switch cover, and then press the power switch to “○” (OFF) side.
Saving energy when not in use - Energy saving mode -

To reduce power consumption, the equipment automatically enters into the energy saving mode when a specified period of time has passed since its last use. You can also turn the equipment into this mode manually.

**Tips**

- The period of time at which the equipment enters into this mode is set at 30 minutes at the shipment from the factory.
- The power consumption during this mode is set at 4 W or less. (When the Network Printer Kit is installed, or when the equipment is connected to a PC with a USB cable, the power consumption during this mode is set at 36 W or less.)

**To turn the equipment into the energy saving mode manually**

Press the [ENERGY SAVER] button on the control panel.

The equipment is now in the energy saving mode. The display on the LCD screen goes off and the [ENERGY SAVER] lamp is lit.

**Note**

When the Network Printer Kit (optional) is installed, or when this equipment is connected to a PC with a USB cable, “Sleep mode” appears on the LCD screen.

**Canceling the energy saving mode**

Press the [ENERGY SAVER] button. The energy saving mode is canceled.

The energy saving mode can be also canceled under the following conditions:

- When the Platen Cover (optional) or the Reversing Automatic Document Feeder / Automatic Document Feeder (optional) is raised
- When this equipment is connected to a PC with a USB cable
- When Fax data are received
- When any button on the control panel is pressed (Only when “Sleep mode” is displayed on the LCD screen)

**Tip**

When the Network Printer Kit (optional) is installed, or when this equipment is connected to a PC with a USB cable, the energy saving mode can be canceled when print data are received.
## Preparation 2 - Placing Copy Paper

Place copy paper in an appropriate paper source before you start copying.

### Acceptable media types

Acceptable media types differ depending on its paper source. See the table below for the details.

<table>
<thead>
<tr>
<th>Feeder</th>
<th>Media type</th>
<th>Paper size</th>
<th>Maximum sheet capacity *1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>THICK PAPER 1 (21 - 28 lb. Bond)*3</td>
<td></td>
<td>1 sheet (21 - 28 lb. Bond)</td>
</tr>
<tr>
<td></td>
<td>Tracing paper (20 lb.)*3</td>
<td></td>
<td>1 sheet</td>
</tr>
<tr>
<td></td>
<td>Slicker labels*3</td>
<td></td>
<td>1 sheet</td>
</tr>
<tr>
<td></td>
<td>Transparencies*3, *4</td>
<td>LT only</td>
<td>1 sheet</td>
</tr>
</tbody>
</table>

*1 “Maximum sheet capacity” refers to the maximum number of sheets when TOSHIBA-recommended paper is used. See the following page for the TOSHIBA-recommended paper: P.36 “Recommended paper”

*2 The paper of 13 to 16 lb. Bond can be used if it is set on the bypass tray one by one.

*3 Automatic duplex copying is not available.

*4 Be sure to use the overhead transparencies that TOSHIBA recommends. When transparencies other than the TOSHIBA-recommended ones are used, this could cause an equipment malfunction.

### Note

You cannot mix various paper sizes in one drawer.

### Tip

Abbreviations for LT format sizes:
Recommended paper

To ensure the best copy performance, TOSHIBA recommends the paper types listed below. If you want to use paper other than that we recommend, contact your service technician.

<table>
<thead>
<tr>
<th>Media type</th>
<th>Product name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plain paper</td>
<td>TIDAL/Hammermill (20 lb. Bond)</td>
</tr>
<tr>
<td>THICK PAPER 1</td>
<td>Laser/Hammermill (24 lb. Bond)</td>
</tr>
<tr>
<td>THICK PAPER 2</td>
<td>Laser/Hammermill (32 lb. Bond)</td>
</tr>
<tr>
<td></td>
<td>Exact Index / WAUSAU (90 lb. Index)</td>
</tr>
<tr>
<td>Tracing paper</td>
<td>20 lb. Bond tracing paper</td>
</tr>
<tr>
<td>Sticker labels</td>
<td>5165/Avery</td>
</tr>
<tr>
<td>Transparencies</td>
<td>X-10.0/Folex</td>
</tr>
</tbody>
</table>

*1 Be sure to use the overhead transparencies that TOSHIBA recommends. When transparencies other than the TOSHIBA-recommended ones are used, this could cause an equipment malfunction.

Paper types not acceptable

Do not use the types of paper listed below since they may cause paper jams.
- Damp paper
- Creased paper
- Wrinkled paper or paper prone to be curled
- Paper whose surface is extremely smooth or rough

Do not use the types of paper listed below since they may cause an equipment malfunction.
- Paper whose surface is specially treated
- Paper once printed with other copiers or printers

Storing paper

Observe the following cautions when storing copy paper:
- Wrap copy paper in its wrapping paper to prevent it from gathering dust.
- Do not expose copy paper to direct sunlight.
- Store copy paper in a damp-free place.
- Store copy paper on a flat surface to prevent it from being creased or bent.
Placing paper in drawers

Follow the procedure below to place copy paper in the drawer. For the acceptable paper, see the following page:

P.35 “Acceptable media types”

1 Turn the power of the equipment ON.

2 Pull out the drawer carefully.

Pull out the drawer until it comes to a stop.

3 Press down the paper plate.

Press it down until you hear a click sound and it is no longer lifted up.
4 Pull out the trailing guide (A), and then reinstall the guide at the position of the desired paper size.

Tip
The paper size is indicated on the bottom inner surface of the drawer.

5 While pushing the green knob of the side guides fully, widen the gap between them.

Note
Widen the gap with both hands.
6 Place paper in the drawer.

![Image of paper in drawer]

**Notes**
- The maximum number of sheets can be placed in one go is 250 (17 lb. Bond). Be sure that the stack height of paper is not higher than the line indicated at the inner side of the guide.
  - P.35 “Acceptable media types”
- Fan the paper well before placing it in the drawer, otherwise multiple feeding could occur.
- Place the paper face up. You may tell its “face” by the note on its wrapping paper.

7 Adjust the side guides to the desired paper size.

Be sure that a gap of approx. 0.02” (less than 0.04” in total) is left between the paper and each side guide (shown as “A” in the picture). If the gap is inappropriate, this could cause a paper misfeed.

![Diagram showing side guide adjustment]
8 Be sure that the stack of paper fits completely under the latches of the side guides.

9 Change the paper size indicator to match the size of paper placed.

10 Push the drawer straight into the equipment slowly until it comes to a stop.

**Caution**

Do not let your fingers be caught when closing the drawer. This could cause injury.

Register the paper size into the equipment.
When you place paper, register the size of the paper into the equipment. Be sure that the size is registered correctly, or it could cause a paper jam.
For the registration of paper size, see the following page:
P.45 “Preparation 3 - Registering Size of Paper Placed”

**Note**

Be sure to register the paper size when you have changed the paper size in the drawer, as well as when you place paper in the corresponding drawer for the first time.
Placing paper in the drawers of Paper Feed Pedestal (optional)

Follow the procedure below to place copy paper in the drawers of the Paper Feed Pedestal (optional).
For the acceptable paper, see the following page:

P.35 “Acceptable media types”

1 Pull out the drawer carefully.

![Image](image1)

**Note**
Pull out the drawer until it comes to a stop.

2 Pull out the trailing guide while pushing its lower part to the direction of the arrow. Then reinstall the guide at the position of the desired paper size.

![Image](image2)

**Tip**
The paper size is indicated on the bottom inner surface of the drawer.
3 Push the right side of the side guide lock to unlock it.

4 While pushing the green knob of the side guides, adjust the side guides at the position of the desired paper size.

Note
Adjust the side guides with both hands.

5 Place paper in the drawer.

Notes
- The maximum number of sheets can be placed in one go is 550 (17 lb. Bond). Be sure that the stack height of paper is not higher than the line indicated at the inner side of the guide. P.35 “Acceptable media types”
- Fan the paper well before placing it in the drawer, otherwise multiple feeding could occur.
- Place the paper face up. You may tell its “face” by the note on its wrapping paper.
6 Adjust the side guides.
Be sure that a gap of approx. 0.02" (less than 0.04" in total) is left between the paper and each side guide (shown as “A” in the picture). If the gap is inappropriate, this could cause a paper misfeed.

7 Push the left side of the side guide lock to lock it.

8 Change the paper size indicator to match the size of paper placed.
9 Push the drawer straight until it comes to a stop.

**Caution**

Do not let your fingers be caught when closing the drawer. This could cause injury.

Register the paper size into the equipment. When you place paper, register the size of the paper into the equipment. Be sure that the size is registered correctly, or it could cause a paper jam. For the registration of paper size, see the following page:

P.45 “Preparation 3 - Registering Size of Paper Placed”

**Note**

Be sure to register the paper size when you have changed the paper size in the drawer, as well as when you place paper in the corresponding drawer for the first time.
Preparation 3 - Registering Size of Paper Placed

When you place paper in a drawer for the first time or when you place paper whose size is different from that of the paper which has been placed in the drawer, the new paper size needs to be registered into the equipment.

Registration of standard sizes (LD, LT, LT-R, LG, ST-R) differs from that of standard sizes other than these.

Tip

The paper size can be registered on the LCD screen by checking menus.

P.126 “Paper Size Setting”

Registering standard size (LD, LT, LT-R, LG, ST-R)

In this section, LT size is registered in the drawer of the equipment as an example.

1. Press and hold the [COPY] and [DRAWER] buttons simultaneously for more than two seconds.

The LCD screen shows as follows:

```
Select paper size

100% NONSORT
ZOOM FINISHING EDIT
```

2. Press the [DRAWER] button several times until the lamp of the drawer in which you placed paper is lit.
3 Press the [COPY] button several times until the lamp of the paper size you placed in the drawer is lit.

If the [CANCEL] button is pressed at this step, the size is not registered and the equipment will return to its normal status.

4 Press the [ENTER] button.
The paper size has been registered.
Registering other standard sizes

When standard size paper other than LD, LT, LT-R, LG or ST-R is placed, register this size as “OTHER” size.

In this section, A4 size is registered in the drawer of the equipment as an example.

1 Press and hold the [COPY] and [DRAWER] buttons simultaneously for more than two seconds.

The LCD screen shows as follows:

```
Select paper size

100% NONSORT
ZOOM FINISHING EDIT
```

2 Press the [DRAWER] button several times until the lamp of the drawer in which you placed paper is lit.
3 Press the [COPY] button several times until the [OTHER] lamp is lit.

![Diagram of button layout]

4 Press the selecting button B or C to select the size of the paper placed in the drawer. This can also be done with the ⬆️ or ⬇️ button.

- e.g.) Setting A4 size

   ![Select paper size]

5 Press the [ENTER] button.

   The LCD screen shows as follows:

   ![LCD screen showing paper size selection]

6 Press the [ENTER] button.

   The paper size has been registered as "OTHER" size and the equipment will return to its normal status.
This chapter describes basic copy operations.

**Placing Originals**
- Acceptable originals
- Placing originals on the original glass
- Placing booklet-type originals such as books or catalogs
- Using Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional)

**Making Copies**
- Stopping/Resuming copying
- Interrupting copying and making another copy - Interrupt copy

**Using Bypass Tray**
- Preparation - Registering paper size placed on bypass tray
- Bypass copying on standard size paper
## Placing Originals

### Acceptable originals

Booklets, three-dimensional objects and some types of special media can be placed on the original glass, as well as plain paper. When the Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional) is used, a stack of plain paper originals can be automatically scanned one by one.

<table>
<thead>
<tr>
<th>Setting position</th>
<th>Type of originals</th>
<th>Maximum size</th>
<th>Acceptable sizes for automatic size detection*1</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Original glass</td>
<td>Plain paper</td>
<td>11.69&quot; x 17.01&quot;*</td>
<td>LD, LG, LT, LT-R, ST-R of standard sizes</td>
<td>*3</td>
</tr>
<tr>
<td></td>
<td>Special media types *2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Booklets</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>3-dimensional objects</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*1 The automatic size detection function is not enabled for A/B format.
*2 “Special media types” refers to special paper which is not acceptable for the Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional), such as overhead transparencies or tracing paper.
*3 Do not place heavy objects (9 lb. or more) and do not press on it with force.
*4 The equipment detects the COMP size original automatically only when the mixed-size copying mode is used.
*5 Their paper weight should be between 13.3 lb. and 33.8 lb (in both cases of 1-sided and 2-sided).
*6 Some media types may not be used.
*7 ST size originals must be placed in a landscape direction.

### Maximum number of originals scanned in one go

In terms of LT originals, the maximum number of sheets which can be scanned in one go is 250. When the number of sheets scanned has exceeded 250 during one copy job in process, scanning stops and “Count over” appears on the LCD screen.

- **Count over**
- **Cancel job**
- **Print**

Select “Print” on the LCD screen to copy the data scanned so far. Select “Cancel job” to delete all the data scanned so far.
When the built-in memory has become full during scanning

When the built-in memory in the equipment has become full during the scanning of the copy job, scanning stops even if the number of sheets scanned so far has not exceeded the maximum value. “Memory is full” appears on the LCD screen.

Select “Print” on the LCD screen to copy the data scanned so far. Select “Cancel job” to delete all the data scanned so far.

Placing originals on the original glass

Plain paper or some special media types which are not acceptable for the Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional), such as overhead transparencies or tracing paper, should be placed on the original glass.

Caution

Do not place heavy objects (9 lb. or more) and do not press on it with force. Breaking the glass could injure you.

1 Raise the Platen Cover (optional) or the Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional).

Note

Raise the Platen Cover (optional) or the Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional) 60 degrees or more from the equipment to detect the original size.

2 Place the original face down on the original glass and align it against the left rear corner of the glass.
When copying highly transparent originals
When copying highly transparent originals such as overhead transparencies or tracing paper, place a blank sheet of paper (A), the same size as the original or larger, over the original (B).

3 Lower the Platen Cover (optional) or the Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional) carefully.

Placing booklet-type originals such as books or catalogs
Place a book-type original on the original glass.

Caution
Do not place heavy objects (9 lb. or more) and do not press on it with force. Breaking the glass could injure you.

1 Raise the Platen Cover (optional) or the Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional).

2 Open the desired page of the original and place it face down. Align it against the left rear corner of the glass.
3 Lower the Platen Cover (optional) or the Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional) carefully.

Notes
- Do not try to lower the Platen Cover (optional) or the Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional) forcibly when the original is very thick. There will be no problem in copying even if they are not fully lowered.
- Do not look fully at the original glass since intensive light may leak out during copying.

Using Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional)

When a stack of originals are placed on the Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional), the originals are automatically scanned one by one. The following types of originals are available *1:

<table>
<thead>
<tr>
<th>Media types</th>
<th>Maximum size</th>
<th>Maximum number of sheets acceptable</th>
<th>Paper weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plain paper</td>
<td>11.69&quot; x 17.01&quot;</td>
<td>100 sheets (or stack height 0.62&quot;)</td>
<td>13.3 - 33.8 lb.</td>
</tr>
</tbody>
</table>

*1 To scan 2-sided originals, the Reversing Automatic Document Feeder (optional) is required.

Notes
- Some media types may not be used.
- The maximum number of sheets acceptable varies depending on the media types of the originals.
- ST size originals must be placed in a landscape direction.
- Sizes which the Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional) can detect automatically are LD, LG, LT, LT-R, COMP and ST-R. (The equipment detects the COMP size original automatically only when the mixed-size copying mode is used.)

Precautions for Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional)

Do not use the following types of original since such types may cause a paper jam or damage to the equipment:
- Extremely wrinkled, folded or curled ones
- Ones with carbon paper
- Taped, pasted or cut-out ones
- Clipped or stapled ones
- Ones with holes or tears
- Damp ones
- Overhead transparencies or tracing paper
- Coating paper (e.g. coated with wax)
The following types of originals are usable but need extra care:

- Ones which cannot be slid with fingers or whose surface is specially treated (they may not be separated from each other at feeding)
- Folded or curled ones (should be smoothed out before being used)

**When black streaks appear on the copied image**

If the scanning area or the guide area is dirty, image problems such as black streaks on the copied image may occur. Weekly cleaning of these areas is recommended.

P.200 “Daily Inspection”

---

**Placing originals on Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional)**

1. Align all the originals.

2. Place them face up and align the side guides to the original length.

---

**Notes**

- The top sheet of the originals will be scanned first.
- The total sheets of originals placed must not exceed 100 (13.3 to 20 lb.) or the stack height of the originals must not exceed 0.62” regardless of their sizes.

**When placing a large amount of originals with a long width**

Pull out the original stopper so that the exiting originals will not fall. When replacing this stopper, lift it slightly and push it in.
Making Copies

Follow the procedure below to make copies.

**Tip**

Various copying functions are available. See the following page for the details:

- P.67 "COPYING FUNCTIONS"
- P.81 "ADVANCED COPYING FUNCTIONS"

1. **Check if paper is placed in the drawer.**
   For the acceptable types and sizes of paper, see the following pages:
   - P.35 “Acceptable media types”
   - P.37 “Placing paper in drawers”
   - P.41 “Placing paper in the drawers of Paper Feed Pedestal (optional)"

2. **Place the original.**
   For acceptable originals or how to place originals, see the following pages:
   - P.50 “Acceptable originals”
   - P.54 “Placing originals on Reversing Automatic Document Feeder (optional) /
     Automatic Document Feeder (optional)"
   - P.51 “Placing originals on the original glass”
   - P.52 “Placing booklet-type originals such as books or catalogs”

3. **Key in the desired number of copies (= copy quantity) when you copy more than one set.**
   e.g.) 5 sets

   ![5 Control Panel](image)

   **Tip**
   If you want to correct the copy quantity keyed in, press the [CLEAR/STOP] button, and then key in the correct number.

4. **Select the copy modes as required.**
   - P.67 "COPYING FUNCTIONS"
   - P.81 "ADVANCED COPYING FUNCTIONS"

   **Note**
   Some functions may not be used together with other functions. For the details, see the following page.
   - P.211 “Copying Function Combination Matrix”
5 **Press the [START] button.**

Copying starts. The paper will exit with its copied side down.

**Note**

The paper exit area and exiting paper are hot immediately after the exit. Handle them with care.

**When “Next original?” appears**

This message appears when “SORT” is selected for the exiting method while an original is being placed on the original glass, or when 2-sided copying is being performed.

Place the next original on the original glass, and then press the [START] button. The data of the next original will be scanned. When all the originals have been scanned, select “NO”, and then press the [START] or [ENTER] button. Copying starts.

**When the number of sheets exiting has exceeded 250**

To prevent exiting paper from falling off the receiving tray, the equipment causes copying to pause when approx. 250 sheets of paper have been continuously exited. The LCD screen shows as follows:

Remove the paper from the receiving tray, and then press the [START] button. Copying resumes.

Press the [CLEAR/STOP] button to end the copy job. “Memory clear?” appears on the LCD screen. Select “YES”, and then press the [START] or [ENTER] button.

**When the paper has run out**

When the paper in the drawer has run out during copying, the copying stops and the LCD screen shows as follows:

e.g.) Paper in the drawer of the equipment has run out.

The [DRAWER] lamp corresponding to the one whose paper has run out blinks. Add paper to the drawer and press the [START] button. Copying then resumes.
Stopping/Resuming copying

Press the [CLEAR/STOP] button to stop scanning or copying.

1. Press the [CLEAR/STOP] button during scanning or copying.

Scanning or copying stops, and the LCD screen shows as follows:

<table>
<thead>
<tr>
<th>Memory clear?</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
</tr>
<tr>
<td>NO</td>
</tr>
</tbody>
</table>

Or

<table>
<thead>
<tr>
<th>Cancel job?</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
</tr>
<tr>
<td>NO</td>
</tr>
</tbody>
</table>

Press the selecting button C or and buttons and select “YES” to end the copy job. Then press the [START] or [ENTER] button.

2. Press the selecting button C to select “NO” to resume the copy job. This can also be done with the or button. Then press the [START] or [ENTER] button.
Interrupting copying and making another copy - Interrupt copy -

You can interrupt scanning or copying of one job and make another copy job (= interrupt copying). The copy quantity or functions applied to the interrupted job are stored in the memory of this equipment, so that you will not need to set them again when the interrupted job resumes.

1 **Press the [INTERRUPT] button.**
   The [INTERRUPT] lamp blinks, and the lamp will be fully lit after a while.

   ![Interrupt button image]

   The LCD screen shows as follows:

   ![LCD screen showing job interrupted]

   **Tip**
   When the [INTERRUPT] button is pressed during scanning, the [INTERRUPT] lamp blinks, and then the lamp will be fully lit after the scanning has finished.

2 **Replace the original with a new one.**

3 **Select the copy modes as required, and then press the [START] button.**
   Interrupt copying starts.

4 **After you have finished interrupt copying, press the [INTERRUPT] button.**
   The copying status returns to the one before the interruption.

5 **Press the [START] button.**
   The job interrupted will resume.
Using Bypass Tray

Place paper on the bypass tray when you use the following media types as copy paper:
- Thick paper (21 lb. Bond to 90 lb. Index)
- Special media types such as tracing paper, sticker labels or overhead transparencies
- Standard size paper which cannot be placed in the drawers of the equipment and Paper Feed Unit (optional) (e.g. ST-R)

Using the bypass tray is recommended also for copying on standard-size paper other than those placed in the drawers. The following sizes are available for bypass copying:

<table>
<thead>
<tr>
<th>Media type</th>
<th>Paper size</th>
<th>Maximum sheet capacity *1</th>
</tr>
</thead>
<tbody>
<tr>
<td>THICK PAPER 1</td>
<td>(21 - 28 lb. Bond)*3</td>
<td>1 sheet</td>
</tr>
<tr>
<td>THICK PAPER 2</td>
<td>(29 lb. Bond - 90 lb. Index)*3</td>
<td>1 sheet (21 - 28 lb. Bond)</td>
</tr>
<tr>
<td>Tracing paper</td>
<td>(20 lb.)*3</td>
<td>1 sheet (29 lb. Bond - 90 lb. Index)</td>
</tr>
<tr>
<td>Sticker labels*3</td>
<td>LT only</td>
<td>1 sheet</td>
</tr>
<tr>
<td>Transparencies*3, *4</td>
<td>LT only</td>
<td>1 sheet</td>
</tr>
</tbody>
</table>

*1 "Maximum sheet capacity" refers to the maximum number of sheets when TOSHIBA-recommended paper is used. See the following page for the TOSHIBA-recommended paper: P.36 “Recommended paper”

*2 The paper of 13 to 16 lb. Bond can be used if it is set on the bypass tray one by one.

*3 Automatic duplex copying is not available.

*4 Be sure to use the overhead transparencies that TOSHIBA recommends. When transparencies other than the TOSHIBA-recommended ones are used, this could cause an equipment malfunction.
Preparation - Registering paper size placed on bypass tray

Register the size of the paper into the equipment in advance.

Note

The registration procedure for other paper sizes is different from the standard sizes (LD, LT, LT-R, LG and ST-R).

P.62 “Registering other standard sizes”

Tip

The paper size can be registered on the LCD screen by checking menus.

P.126 “Paper Size Setting”

Registering standard size (LD, LT, LT-R, LG, ST-R)

In this section, the registration procedure is described with LT size paper placed on the bypass tray as an example.

1 Press and hold the [COPY] and [DRAWER] buttons simultaneously for more than two seconds.

The LCD screen shows as follows:

<table>
<thead>
<tr>
<th>Select paper size</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>100% NONSORT</td>
<td></td>
</tr>
<tr>
<td>ZOOM FINISHING</td>
<td></td>
</tr>
<tr>
<td>EDIT</td>
<td></td>
</tr>
</tbody>
</table>
2 Press the [DRAWER] button several times until the lamp of the bypass tray is lit.

3 Press the [COPY] button several times until the lamp of the paper size you placed on the bypass tray is lit.

If the [CANCEL] button is pressed at this step, the size is not registered and the equipment will return to its normal status.

4 Press the [ENTER] button.
The paper size has been registered.
Registering other standard sizes

When standard size paper other than LD, LT, LT-R, LG or ST-R is placed, register this size as “OTHER” size.

In this section, the registration procedure is described with A4 size paper placed on the bypass tray as an example.

1 Press and hold the [COPY] and [DRAWER] buttons simultaneously for more than two seconds.

The LCD screen shows as follows:

<table>
<thead>
<tr>
<th>Select paper size</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>100% NONSORT</td>
<td></td>
</tr>
<tr>
<td>ZOOM FINISHING</td>
<td></td>
</tr>
<tr>
<td>EDIT</td>
<td></td>
</tr>
</tbody>
</table>

2 Press the [DRAWER] button several times until the lamp of the bypass tray is lit.
3 Press the [COPY] button several times until the [OTHER] lamp is lit.

4 Press the selecting button B or C to select the size of the paper placed in the drawer. This can also be done with the \(\uparrow\) or \(\downarrow\) button.
   e.g.) Setting A4 size

<table>
<thead>
<tr>
<th>Select paper size</th>
<th>A3</th>
<th>A4</th>
<th>A4-R</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A3</td>
<td>A4</td>
<td>A4-R</td>
</tr>
</tbody>
</table>

   If the [CANCEL] button is pressed at this step, the size is not registered and the equipment will return to its normal status.

5 Press the [ENTER] button.
The paper size has been registered as “OTHER” size.
Bypass copying on standard size paper

Standard size paper can be used for bypass copying. In this section, the procedure is described with LT size thick paper (24 lb. Bond) placed on the bypass tray as an example.

**Note**

Register the size of the paper into the equipment in advance.

P.60 “Preparation - Registering paper size placed on bypass tray”

1. Place paper straight on the bypass tray face down. Then align the side guides to the paper length while holding (A).

**Notes**

- Be sure that the stack height of paper does not exceed the indicators of the side guides.
- Fan the stack of paper well before placing it on the bypass tray.
- Do not push the paper forcibly into the entrance of the bypass feeder. This could cause a paper misfeed.

**Tip**

When you place paper of a larger size, pull out the paper holder before you start bypass copying.
2 Check if the lamp of the paper size placed on bypass tray is lit. If not, press the [COPY] button several times until the lamp of the desired paper size is lit.

![Image](image.png)

The LCD screen shows as follows:

<table>
<thead>
<tr>
<th>Ready for bypass</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>100% SORT</td>
<td></td>
</tr>
<tr>
<td>ZOOM FINISHING</td>
<td>EDIT</td>
</tr>
</tbody>
</table>

3 Select the media type most suited to the paper placed in the drawer.

(1) Press the selecting button C once.

(2) Press the selecting button A or ▲ and ▼ buttons several times to select “PAPER TYPE”, and then press the [ENTER] button. Paper type setting menu appears.

![Image](image.png)

(3) Press the selecting button C or ▲ and ▼ buttons several times until you select the desired media type, and then press the [ENTER] button.

You can select the media type from the following three:

**THICK PAPER 1**: Thick paper (21 to 28 lb. Bond)

**THICK PAPER 2**: Thick paper (29 lb. Bond to 90 lb. Index), sticker labels

**TRANSPARENCY**: Overhead transparencies

**Notes**

- You do not need to select the media type when you use plain paper (17 to 20 lb. Bond) or tracing paper. When the media type is already set at either of them, select “OFF”.
- If you select a different media type from the one you placed on the bypass tray, this could cause a paper jam or the quality of the copied image could be lowered.
4 Place the original.

5 Select the other copy modes as required, and then press the [START] button.
Copying starts.

**Note**
When you make copies on overhead transparencies using the bypass tray, pick up the transparencies which have exited onto the receiving tray one by one. If the transparencies pile up, they may become curled and not be good for projection.

**Tips**
- When the paper on the bypass tray has run out during copying, copying continues with the paper of the same size in the drawer as the one on the bypass tray. (If the size of the paper on the bypass tray has not been registered in advance, however, copying stops. In this case, add paper to the bypass tray and press the [START] button to resume copying.)
- When bypass copying has finished, the [FUNCTION CLEAR] lamp blinks. Press the [FUNCTION CLEAR] button so that the paper size setting for the bypass tray will be cleared. Press the [FUNCTION CLEAR] button again so that bypass copying will be switched to copying with drawer feeding.
This chapter describes various functions related to copy operations, such as how to make enlargement or reduction copies, or how to adjust the quality of copy images.

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Before Making Copies</td>
<td>68</td>
</tr>
<tr>
<td>Default settings</td>
<td>68</td>
</tr>
<tr>
<td>Confirming set functions</td>
<td>68</td>
</tr>
<tr>
<td>Paper Selection</td>
<td>69</td>
</tr>
<tr>
<td>Automatic paper selection (APS)</td>
<td>69</td>
</tr>
<tr>
<td>Manual paper selection</td>
<td>70</td>
</tr>
<tr>
<td>Copying Different Sizes in One Go - MIXED-SIZE COPYING</td>
<td>72</td>
</tr>
<tr>
<td>Zooming In/Out Copy Image</td>
<td>74</td>
</tr>
<tr>
<td>Automatic magnification selection (AMS)</td>
<td>74</td>
</tr>
<tr>
<td>Specifying both the sizes of the original and the copy paper</td>
<td>76</td>
</tr>
<tr>
<td>Specifying reproduction ratio manually</td>
<td>77</td>
</tr>
<tr>
<td>Selecting Image Mode</td>
<td>79</td>
</tr>
<tr>
<td>Adjusting Density Level</td>
<td>80</td>
</tr>
</tbody>
</table>
Before Making Copies

Default settings

Initial settings established when the equipment is powered on before any of the user functions are changed are called default settings. Each setting returns to its default when the power is turned ON, when the energy saving mode is canceled, and when the [FUNCTION CLEAR] button is pressed.

The default settings of the basic copying functions at the time of the installation are shown below.

<table>
<thead>
<tr>
<th>Item</th>
<th>Contents</th>
<th>Default setting at installation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copy quantity</td>
<td>1 - 999</td>
<td>1</td>
</tr>
<tr>
<td>Reproduction ratio</td>
<td>25 - 200%</td>
<td>100%</td>
</tr>
<tr>
<td>Image mode</td>
<td>TEXT/PHOTO, PHOTO, TEXT</td>
<td>TEXT/PHOTO</td>
</tr>
<tr>
<td>Density adjustment</td>
<td>Automatic copy density mode, Manual copy density mode</td>
<td>Automatic copy density mode</td>
</tr>
</tbody>
</table>

The default settings above can be changed. For the details, see the following page: P.117 “CHANGING EQUIPMENT’S SETTINGS”

Confirming set functions

Press the [SETTINGS] button to confirm the set functions.

The current settings and functions set appear on the LCD screen.

Press the selecting button B or C to display all the settings so that the display will be switched to the next one. This can also be done with the or button. After you finished the confirmation, press the [SETTINGS] button again.
Paper Selection

You can select the size of copy paper in two ways; one is automatic paper selection in which the equipment automatically selects copy paper of the same size as the original, and the other is manual paper selection in which you can select the desired paper size manually.

Automatic paper selection (APS):
The equipment detects the size of the original placed and automatically selects copy paper of the same size as the original.
The following sizes of originals are available:
LD, LG, LT, LT-R, COMP, ST-R (The COMP size paper can be used only when the mixed-size copying mode is used.)

Manual paper selection:
You can select the desired size of copy paper manually. This function can be used in a case the APS cannot be used, such as when originals are non-standard sizes or overhead transparencies.

Automatic paper selection (APS)
When you place a standard size original, the equipment detects its size and automatically selects copy paper of the same size as the original.

Tip
The following sizes of originals are available:
LD, LG, LT, LT-R, COMP, ST-R (The COMP size paper can be used only when the mixed-size copying mode is used.)

Notes
The equipment may not be able to correctly detect the size of the originals listed below. Use manual paper selection for the following originals:
• Highly transparent ones (e.g. overhead transparencies, tracing paper)
• Wholly dark ones or ones with dark borders
• Non-standard size ones (e.g. newspapers, magazines)
  P.70 “Manual paper selection”

1 Place paper in the drawer.

Note
Register the size of the paper into the equipment in advance.
P.45 “Preparation 3 - Registering Size of Paper Placed”

2 Place the original.
3 Press the APS/AMS selecting button and select APS. (The APS lamp is lit.)

<table>
<thead>
<tr>
<th>ENERGY SAVER</th>
<th>INTERRUPT</th>
<th>USER FUNCTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MIXED SIZE</th>
<th>SETTINGS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AMS</th>
<th>APS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Tips
- The default setting at the installation is APS.
- If the direction of paper in the drawer differs from that of originals, the image of the original can be copied being rotated by 90 degrees, as long as their sizes are the same (LT only).

4 Select the other copy modes as required, and then press the [START] button.

Manual paper selection
Select the paper size with this method when you use the following originals whose sizes may not be detected correctly with automatic paper selection:
- Highly transparent ones (e.g. overhead transparencies, tracing paper)
- Wholly dark ones or ones with dark borders
- Non-standard size (e.g. newspapers, magazines)

Tip
In this method, if the desired size of copy paper is not placed in the drawer, replace the paper already placed in the drawer with the desired one, or place the desired size of paper on the bypass tray.

1 Place paper in the drawer.

2 Place the original.
3 Press the [DRAWER] button several times until the lamp of the desired drawer is lit.
   e.g.) Selecting the drawer of the equipment

4 Select the other copy modes as required, and then press the [START] button.
When different sizes of originals are mixed and placed on the Reversing Automatic Document Feeder (optional), some combinations of sizes can be copied in one go. The combination of LD and LT, or LG and LT-R is available.

1 **Place paper in the drawer.**

   **Note**

   Bypass copying is disabled. Place paper in the drawer.

2 **Place originals on the Reversing Automatic Document Feeder (optional).**

3 **Press the [MIXED SIZE] button.**

   The mixed-size copying mode is set and the [MIXED SIZE] lamp is lit. The equipment is switched to the automatic paper selection mode and the [APS] lamp is lit. When copying in the automatic paper selection mode, step 4 is not necessary. In this case, proceed to step 5.

   **Note**

   In the automatic paper selection mode, a copy is made on copy paper of the same size as the original. Place paper whose sizes are the same as those of the originals in the corresponding drawers in advance.
4 If you want to copy all the originals on the same size paper, press the [DRAWER] button to select the drawer.

   e.g.) Selecting the drawer of the equipment

<table>
<thead>
<tr>
<th>Original</th>
<th>Copy</th>
<th>Drawer</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LT</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LT-R</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ST-R</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OTHER</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

   Note

   When the mixed-size copying function is used, copy paper larger than the set original cannot be used for copying. Use paper of the same size as the original or smaller. For example, when mixed originals of LT and LD sizes are set, select the LT size paper or smaller.

5 Select the other copy modes as required, and then press the [START] button.

   Copying starts.

   When “Change direction ORG” appears

   The originals are not placed in a correct direction. Press the [ENTER] button to exit the original. Then place it by rotating 90 degrees and resume copying.

   When the copying has finished, press the [FUNCTION CLEAR] button.
Zooming In/Out Copy Image

You can set the reproduction ratio of the copy image in the following three ways:

**Automatic magnification selection (AMS):**
Specify the size of the copy paper in advance. As the original is placed, the equipment then detects the size of the original and sets the reproduction ratio most suited to the size of copy paper automatically.
The following sizes of originals are available:
LD, LG, LT, LT-R, COMP, ST-R

**Specifying both the sizes of the original and the copy paper:**
When you specify the sizes of both the original and the copy paper, the equipment automatically sets the reproduction ratio most suited to both of these sizes. This function can be used in case the AMS cannot be used, such as when originals are overhead transparencies.

**Specifying reproduction ratio manually:**
Specify the reproduction ratio manually from 25% to 200%.

**Tip**
The reproduction ratio can be set in the horizontal and vertical direction separately. In this case, select XY zoom function in the copy menu.

P.112 “Changing Sizes in Horizontal and Vertical Directions - XY ZOOM -”

**Automatic magnification selection (AMS)**
Specify the copy paper size to be used in advance. The equipment then detects the size of the original and automatically sets the most suitable reproduction ratio for the size of copy paper, as the original is placed.

**Tip**
The following sizes of originals are available:
LD, LG, LT, LT-R, COMP, ST-R

**Notes**
Automatic magnification selection (AMS) may not work correctly for the size of originals listed below. Use other methods to set the reproduction ratio for the following originals:
- Highly transparent ones (e.g. overhead transparencies, tracing paper)
- Wholly dark ones or ones with dark borders
- Non-standard size (e.g. newspapers, magazines)
1 Place paper in the drawer.

2 Press the [COPY] button several times until the lamp of the desired paper size is lit.
   e.g.) Selecting LT size

   ![Diagram showing paper size selection]

   **Tip**

   You can select the desired paper size with the [DRAWER] button in the same procedure.

3 Press the APS/AMS selecting button until the AMS lamp is lit.

   ![Diagram showing APS/AMS selection]

4 Place the original.
   The equipment detects the size of the original, and then the most suitable reproduction ratio to the copy paper size is set.

5 Select the other copy modes as required, and then press the [START] button.

   **When “Change direction ORG” appears**
   The direction of the original placed is not correct. Press the [ENTER] button to exit the original. Then place it by rotating 90 degrees and resume copying.
Specifying both the sizes of the original and the copy paper

1. Place paper in the drawer.

2. Place the original.

3. Press the [ORIGINAL] button several times until the lamp of the desired original size is lit.
   e.g.) Selecting LG for the original

4. Press the [COPY] button several times until the lamp of the desired paper size is lit.
   e.g.) Selecting LT for copy paper

   Tips
   • You can select the desired paper size with the [DRAWER] button in the same procedure.
   • When standard size paper other than LD, LT, LT-R, LG or ST-R is placed, register this size as “OTHER” size in advance.
     P.47 “Registering other standard sizes”

   The most appropriate reproduction ratio for both the sizes of the original and the copy paper is set.

5. Select the other copy modes as required, and then press the [START] button.
Specifying reproduction ratio manually

1. Place paper in the drawer.

2. Place the original.

3. Press the selecting button A.
The LCD screen shows as follows:

![ZOOM menu]

4. Press the selecting button B (−) or C (+) to set the desired reproduction ratio.
One press of each button increases or decreases the reproduction ratio by 1%. When you keep pressing either of them, the reproduction ratio also keeps changing. The reproduction ratio can be set from 25% to 200%.

Tip
Press the selecting button A to return it to 100%.

5. Press the [ENTER] button.
The reproduction ratio is set.

6. Press the [COPY] button several times until the lamp of the desired paper size is lit.
e.g.) Selecting LT for copy paper

Tips
- You can select the desired paper size with the [DRAWER] button in the same procedure.
- When standard size paper other than LD, LT, LT-R, LG or ST-R is placed, register this size as “OTHER” size in advance.
  P.47 “Registering other standard sizes”
7 Select the other copy modes as required, and then press the [START] button.
Selecting Image Mode

You can select the most suitable quality of the copied image in the following three modes depending on the originals:

**TEXT/PHOTO**: Originals with text and photographs mixed

**PHOTO**: Originals with photographs

**TEXT**: Originals with text only or with text and fine illustrations only

**Tip**

“TEXT/PHOTO” is set by default at the installation of the equipment.

1. Place paper in the drawer.

2. Place the original.

3. Press the original mode button until the lamp of the desired mode is lit.
   e.g.) Original with photographs

4. Select the other copy modes as required, and then press the [START] button.
Adjusting Density Level

The automatic copy density mode, which automatically selects the most suitable density level for the copied image by detecting that of the original, is set by default at the installation of the equipment. You can also adjust the density level as desired manually (=manual copy density mode) in the following procedure:

1 Place paper in the drawer.

2 Place the original.

3 Press the density adjustment buttons (left (light) or right (dark)) to adjust the density to the desired level.
   The density level can be set within 7 stages. One press of each button increases or decreases the density level by one stage. When you keep pressing either of them, the density level also keeps changing.

4 Select the other copy modes as required, and then press the [START] button.

To return it to the automatic copy density mode
Press the (AUTO) button.
ADVANCED COPYING FUNCTIONS

This chapter describes some useful copying functions, such as how to copy more than one page into a single sheet of paper or how to print date and time on copy paper.

Copy Menu ...............................................................................................................82
Copying in Same Page Order as Originals - Sort Copying - .................................84
Sorting Alternately One Set by One - ALTERNATION - .....................................86
Sorting in Magazine Type Arrangement - MAGAZINE SORT - .........................87
Shifting Paper to Make Margin - IMAGE SHIFT - .............................................89
Erasing Shadow on Edge - EDGE ERASE - .....................................................91
Copying on Both Sides - DUPLEX - .................................................................93
Copying Right and Left Pages Separately - DUAL PAGE - ...............................100
Printing Page Number, Date and Time - ANNOTATION - .................................102
Changing Copy Setting on Each Job - JOB BUILD - .......................................104
Copying 2 or 4 Pages into 1 Page - 2IN1/4IN1 - ............................................106
Copying Both Sides of Card into 1 Page - ID CARD - .......................................109
Changing Sizes in Horizontal and Vertical Directions - XY ZOOM - ...............112
Registering Functions Frequently Used - JOB MEMORY - ..............................114
Copy Menu

This equipment provides you of many convenient copying functions. When you press the select-
ing button C on the “copy mode” main screen, the copy menu appears. Select the desired func-
tion in this menu.

<table>
<thead>
<tr>
<th>FINISHING</th>
<th>DUPLEX</th>
<th>2IN1/4IN1</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMAGE SHIFT</td>
<td>DUAL PAGE</td>
<td>ID CARD</td>
</tr>
<tr>
<td>EDGE ERASE</td>
<td>ANNOTATION</td>
<td>XY ZOOM</td>
</tr>
<tr>
<td>PAPER TYPE</td>
<td>JOB BUILD</td>
<td>JOB MEMORY</td>
</tr>
</tbody>
</table>

**Note**

More than one copying function can be used together. However, some combinations of functions are disabled. For the details of the disabled combinations, see the following page: P.211 “Copying Function Combination Matrix”

Operating in copy menu

When you select the desired function in the menu, press , , , and buttons or the selecting buttons A, B and C. In this section, the procedure for selecting the XY zoom function using the selecting buttons A, B and C is explained as an example.

1. **Select the desired function with the selecting buttons A, B and C.**
   e.g.) Press the selecting button C to select “XY ZOOM”.

2. **Press the same selecting button for several times until you select the desired function.**

3. **Press the [ENTER] button.**
   The function setting screen appears. Perform the setting by following the instructions displayed on the screen.
# Copy function list

The copying functions displayed on the copy menu are shown below.

<table>
<thead>
<tr>
<th>Function</th>
<th>Description</th>
</tr>
</thead>
</table>
| **FINISHING**    | Selects finishing modes for paper copied and exited to the receiving tray.  
| (P.84, P.86, P.87) | **SORT:** Exited in the same order as originals in each set.  
|                  | **NONSORT:** Exited without being sorted.  
|                  | **ALTERNATION:** Exited while they are being sorted and rotated alternately one set by one.  
|                  | **MAGAZINE SORT:** Exited in a booklet-type page arrangement.  |
| **IMAGE SHIFT**  | Makes a binding margin on copy paper. The margin width can be set between 4 mm and 15 mm.  
| (P.89)           | **LEFT MARGIN:** Makes a binding margin on the left side of paper.  
|                  | **RIGHT MARGIN:** Makes a binding margin on the right side of paper.  |
| **EDGE ERASE**   | Makes a margin along the edge of copy paper. The margin width can be set between 4 mm and 15 mm.  
| (P.91)           | |
| **PAPER TYPE**   | Selects the media type of copy paper. This function is available only in the bypass copying.  
| (P.59)           | **THICK PAPER1:** Thick paper 1 (21 - 28 lb. Bond)  
|                  | **THICK PAPER2:** Thick paper 2 (29 lb. Bond - 90 lb. Index)  
|                  | **TRANSPARENCY:** Overhead transparencies  |
| **DUPLEX**       | Selects whether originals and copy paper are 1-sided or 2-sided.  
| (P.93)           | **1>1 SIMPLEX:** 1-sided original to 1-sided copy  
|                  | **1>2 DUPLEX:** 1-sided original to 2-sided copy  
|                  | **2>2 DUPLEX:** 2-sided original to 2-sided copy  
|                  | **2>1 SPLIT:** 2-sided original to 1-sided copy  
|                  | **BOOK > 2:** Booklet-type original to 2-sided copy  |
| **DUAL PAGE**    | Makes copies of the double-page spread of a booklet. The right and left pages are copied separately. The book margin width can be set between 8 mm to 30 mm.  
| (P.100)          | |
| **ANNOTATION**   | Prints page numbers, date and time.  
| (P.102)          | **PAGE NUMBER:** Prints page numbers.  
|                  | **Page, Date&Time:** Print page numbers, date and time.  |
| **JOB BUILD**    | Scans and copies originals made of several jobs (= stacks). Settings and scanning methods can be changed for each job. When all the originals have been scanned, they are copied in one go.  
| (P.104)          | |
| **2IN1/4IN1**    | Makes copies of 2 or 4 pages of originals into 1 page by reducing their reproduction ratio.  
| (P.106)          | **2IN1:** Makes copies of 2 pages into 1 page.  
|                  | **4IN1:** Makes copies of 4 pages into 1 page.  |
| **ID CARD**      | Makes copies of the both sides of a card into 1 page of LT paper.  
| (P.109)          | |
| **XY ZOOM**      | Selects the reproduction ratio in the horizontal and vertical directions separately.  
| (P.112)          | |
| **JOB MEMORY**   | Registers the combination of functions used frequently and recall it as required.  
| (P.114)          | **RECALL:** Recalls the combination of functions registered.  
|                  | **MEMORY:** Registers the combination of functions.  |
Copying in Same Page Order as Originals - Sort Copying -

When you make several sets of copies, the copies can be made to exit in the same order as the originals in each set. This is called sort copying.

Copied and sorted in 2 sets

Copied in 2 sets without being sorted

1 Place paper in the drawer.

2 Place the original.

Tip
When originals are placed on the Reversing Automatic Document Feeder (optional), this function is automatically set. In this case, proceed to step 5.

3 Select “FINISHING” in the copy menu, and then press the [ENTER] button.

4 Select “SORT”, and then press the [ENTER] button.

The sort copying is set.
5 Select the other copy modes as required, and then press the [START] button.
Sorting Alternately One Set by One - ALTERNATION -

When you make several sets of copies, the copies can be sorted and made to exit alternately one set by one. This is called alternation. You need to place copy paper in one drawer in a landscape direction and place that of the same size in another drawer in a portrait direction in advance.

![Diagram of paper alternation]

**Note**

LT size is available for this function.

1. Place paper in the drawer.

2. Place the original.

3. Key in the desired number of copies.

4. Select “FINISHING” in the copy menu, and then press the [ENTER] button.

<table>
<thead>
<tr>
<th>FINISHING</th>
<th>DUPLEX</th>
<th>2IN1/4IN1</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMAGE SHIFT</td>
<td>DUAL PAGE</td>
<td>ID CARD</td>
</tr>
<tr>
<td>EDGE ERASE</td>
<td>ANNOTATION</td>
<td>XY ZOOM</td>
</tr>
<tr>
<td>PAPER TYPE</td>
<td>JOB BUILD</td>
<td>JOB MEMORY</td>
</tr>
</tbody>
</table>

5. Select “ALTERNATION”, and then press the [ENTER] button.

<table>
<thead>
<tr>
<th>FINISHING</th>
<th>SORT</th>
<th>NONSORT</th>
<th>ALTERNATION</th>
</tr>
</thead>
</table>

The alternation is set.

6. Select the other copy modes as required, and then press the [START] button.
The copies can be made to exit in a booklet-type page arrangement. This is called magazine sort. You can make a booklet by folding and binding the stack of copied paper at its center.

**Notes**
- LD, LG and LT-R sizes are available for this function.
- The Automatic Duplexing Unit (optional) is required.
- This function cannot be used together with the image shift.  
  P.89 “Shifting Paper to Make Margin - IMAGE SHIFT -”

1. Place paper in the drawer.
2. Place the original.
3. Select “FINISHING” in the copy menu, and then press the [ENTER] button.
4. Select “MAGAZINE SORT”, and then press the [ENTER] button or button.
5 Select the duplex copying mode most suited to the original, and then press the [ENTER] button.
1>2: When originals are 1-sided
2>2: When originals are 2-sided

The magazine sort is set.

6 Select the other copy modes as required, and then press the [START] button.
Shifting Paper to Make Margin - IMAGE SHIFT -

You can make a margin on copy paper by shifting the whole paper to the right or left. The margin can be used for punching holes or stapling.

![Shifting Paper to Make Margin](image)

**Notes**

- When you place paper on the bypass tray, register the size of the paper into the equipment in advance.
- This function cannot be used together with the magazine sort. 
  P.87 “Sorting in Magazine Type Arrangement - MAGAZINE SORT -”

1. Place paper in the drawer.

2. Place the original.

3. Select “IMAGE SHIFT” in the copy menu, and then press the [ENTER] button.

   | FINISHING | DUPLEX | 2IN1/4IN1 |
   | IMAGE SHIFT | DUAL PAGE | ID CARD |
   | EDGE ERASE | ANNOTATION | XY ZOOM |
   | PAPER TYPE | JOB BUILD | JOB MEMORY |

4. Select whether you make a margin on the right or left side of the paper, and then press the [ENTER] button or button.

   - **LEFT MARGIN**: The margin will be made on the left.
   - **RIGHT MARGIN**: The margin will be made on the right.
5 Specify the margin width, and then press the [ENTER] button. The margin width can be set between 4 mm and 15 mm.

The image shift is set.

6 Select the other copy modes as required, and then press the [START] button.
Erasing Shadow on Edge - EDGE ERASE -

When you make copies of thick objects such as books, the edge of copied image may be darkened by shadow. When you use this copied image as an original, you can erase this shadow and make a margin only on the edge of paper with this function.

![Image of erased edge comparison]

**Notes**
- Only standard size originals are available.
- When you place paper on the bypass tray, register the size of the paper into the equipment in advance.

1. Place paper in the drawer.
2. Place the original.
3. Select “EDGE ERASE” in the copy menu, and then press the [ENTER] button.

```
<table>
<thead>
<tr>
<th>FINISHING</th>
<th>DUPLEX</th>
<th>2IN1/4IN1</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMAGE SHIFT</td>
<td>DUAL PAGE</td>
<td>ID CARD</td>
</tr>
<tr>
<td>EDGE ERASE</td>
<td>ANNOTATION</td>
<td>XY ZOOM</td>
</tr>
<tr>
<td>PAPER TYPE</td>
<td>JOB BUILD</td>
<td>JOB MEMORY</td>
</tr>
</tbody>
</table>
```
4. Select “ON”, and then press the [ENTER] button or ➤ button.

```
EDGE ERASE
[ ] ➤ [ ]
ON
OFF
```
5 Specify the margin width, and then press the [ENTER] button. The margin width can be set between 4 mm and 15 mm.

The edge erase is set.

6 Select the other copy modes as required, and then press the [START] button.
You can select whether originals and paper are 1-sided or 2-sided individually. You can make copies of 1-sided originals into the both sides of paper so that you can save paper. Also you can copy a book into the both sides of paper so that you can make another book.

1>1 SIMPLEX (P.94)

2>1 SPLIT (P.94)

1>2 DUPLEX (P.95)

2>2 DUPLEX (P.95)
BOOK > 2 (P.97)

Notes

- To scan 2-sided originals automatically, the Reversing Automatic Document Feeder (optional) is required.
- To copy on the both sides of paper, the Automatic Duplexing Unit (optional) is required.

Copying on one side

You can copy 1-sided or 2-sided originals on the one side of paper.

1. Place paper in the drawer.

2. Place the original.

3. Select “DUPLEX” in the copy menu, and then press the [ENTER] button.

4. Select the duplex copying mode, and then press the [ENTER] button.
   1>1 SIMPLEX: 1-sided original to 1-sided copy
   2>1 SPLIT: 2-sided original to 1-sided copy

The mode of duplex copying is set.
5 Select the other copy modes as required, and then press the [START] button.  
Copying starts.

6 Place the next original if you are using the original glass, and then select “YES”. Repeat this procedure until all the originals are scanned.  
You can press the [START] button instead of selecting “YES”.

<table>
<thead>
<tr>
<th>Next original?</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
</tr>
<tr>
<td>NO</td>
</tr>
</tbody>
</table>

When all the originals have been scanned  
Select “NO”.

Copying on both sides

You can copy 1-sided or 2-sided originals on the both side of paper.

1 Place paper in the drawer.

**Note**  
Use plain paper (17 to 20 lb. Bond).

2 Place the original.

3 Select “DUPLEX” in the copy menu, and then press the [ENTER] button.

<table>
<thead>
<tr>
<th>FINISHING</th>
<th>DUPLEX</th>
<th>2IN1/4IN1</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMAGE SHIFT</td>
<td>DUAL PAGE</td>
<td>ID CARD</td>
</tr>
<tr>
<td>EDGE ERASE</td>
<td>ANNOTATION</td>
<td>XY ZOOM</td>
</tr>
<tr>
<td>PAPER TYPE</td>
<td>JOB BUILD</td>
<td>JOB MEMORY</td>
</tr>
</tbody>
</table>
4 Select the duplex copying mode, and then press the [ENTER] button or button.
1>2 DUPLEX: 1-sided original to 2-sided copy
2>2 DUPLEX: 2-sided original to 2-sided copy

5 Select the finishing mode, and then press the [ENTER] button.
BOOK TYPE: Open to left
TABLET TYPE: Open to top

The mode of duplex copying is set.

6 Select the other copy modes as required, and then press the [START] button.
Copying starts.

7 Place the next original if you are using the original glass, and then select “YES”. Repeat this procedure until all the originals are scanned.
You can press the [START] button instead of selecting “YES”.

When all the originals have been scanned
Select “NO”.
Copying booklet on both sides

You can copy booklet-type originals such as books or catalogs on both sides of paper, as in the same manner as the original.

1 Place paper in the drawer.

   Notes
   - Use plain paper (17 to 20 lb. Bond).
   - LT size is available.

2 Press the [DRAWER] button to select the drawer to use.

3 Select “DUPLEX” in the copy menu, and then press the [ENTER] button.

4 Select “BOOK > 2”, and then press the [ENTER] button or ✅ button.
5 Select whether the beginning page of the copy is the right or left page, and also select whether the ending page is the right or left page. Then press the [ENTER] button or button.
Select among "RIGHT > RIGHT", "RIGHT > LEFT", "LEFT > LEFT" and "LEFT > RIGHT".

<table>
<thead>
<tr>
<th>BOOK &gt; 2</th>
<th>RIGHT &gt; RIGHT</th>
<th>RIGHT &gt; LEFT</th>
<th>LEFT &gt; LEFT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

e.g.) Copy begins with page 2 and ends with page 6: "LEFT > LEFT"

6 Specify the margin width, and then press the [ENTER] button.
The margin width can be set between 8 mm and 30 mm.

<table>
<thead>
<tr>
<th>BOOK MARGIN</th>
</tr>
</thead>
<tbody>
<tr>
<td>15mm</td>
</tr>
<tr>
<td>8mm -------- 30mm</td>
</tr>
<tr>
<td>- +</td>
</tr>
</tbody>
</table>

The mode of duplex copying is set.
7 Place the original, and then select other copy modes as required. Then press the [START] button.

Caution
Do not place heavy objects (9 lb. or more) and do not press on it with force. Breaking the glass could injure you.

Scanning starts.

8 Open the next page and place the original, and then select “YES”. Repeat this procedure until the last page to be copied is left.
You can press the [START] button instead of selecting “YES”.

<table>
<thead>
<tr>
<th>Next original?</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
</tr>
<tr>
<td>YES(SINGLE)</td>
</tr>
</tbody>
</table>

When copying the last page
If the last page is 1-sided, select “YES (SINGLE)”. If it is 2-sided, select “YES”.

When all the originals have been scanned
Select “NO”.

Copy your Right and Left Pages Separately - DUAL PAGE -

When you place a booklet-type original on the original glass while it is being opened, the right and left pages of the opened section can be copied separately on different paper. Also, when the Automatic Duplexing Unit (optional) is installed, they can be copied on both sides of paper. You do not need to move the original on the original glass.

**Notes**
- LT size is available for this function.
- When you place paper on the bypass tray, register the size of the paper into the equipment in advance.

1. **Place paper in the drawer.**

2. **Place an original.**

   ![Original Glass](image)

   **Caution**
   - Do not place heavy objects (9 lb. or more) and do not press on it with force. Breaking the glass could injure you.

3. **Select “DUAL PAGE” in the copy menu, and then press the [ENTER] button.**

<table>
<thead>
<tr>
<th>FINISHING</th>
<th>DUPLEX</th>
<th>2IN1/4IN1</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMAGE SHIFT</td>
<td>DUAL PAGE</td>
<td>ID CARD</td>
</tr>
<tr>
<td>EDGE ERASE</td>
<td>ANNOTATION</td>
<td>XY ZOOM</td>
</tr>
<tr>
<td>PAPER TYPE</td>
<td>JOB BUILD</td>
<td>JOB MEMORY</td>
</tr>
</tbody>
</table>
4 Select “ON”, and then press the [ENTER] button or \( \text{②} \) button.

DUAL PAGE

<table>
<thead>
<tr>
<th></th>
<th>ON</th>
<th>OFF</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>( \text{②} )</td>
<td></td>
</tr>
</tbody>
</table>

5 Specify the margin width, and then press the [ENTER] button.
The margin width can be set between 8 mm and 30 mm.

BOOK MARGIN

<table>
<thead>
<tr>
<th></th>
<th>15mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>8mm</td>
</tr>
<tr>
<td></td>
<td>----</td>
</tr>
<tr>
<td></td>
<td>30mm</td>
</tr>
<tr>
<td></td>
<td>+</td>
</tr>
</tbody>
</table>

The dual page is set.

6 Select the other copy modes as required, and then press the [START] button.
Copying starts.

7 Place the original again after turning a page, and select “YES”.
Repeat this procedure until all the originals are scanned.
You can press the [START] button instead of selecting “YES”.

Next original?

| YES | NO |

When all the pages are scanned
When all the pages are scanned, select “NO”.

Copying Right and Left Pages Separately - DUAL PAGE - 101
You can print page numbers, date and time on copied paper. As shown below, the printing position of page number, time, date, etc. when an original is placed on the Automatic Document Feeder / Reversing Automatic Document Feeder (both optional) is different from that when the original glass is used.

When the original is placed on the Reversing Automatic Document Feeder / Automatic Document Feeder (both optional)

When the original is placed on the original glass

1 Place paper in the drawer.

2 Place the original.

3 Select “ANNOTATION” in the copy menu, and then press the [ENTER] button.

| FINISHING | DUPLEX | 2IN1/4IN1 |
| IMAGE SHIFT | DUAL PAGE | ID CARD |
| EDGE ERASE | ANNOTATION | XY ZOOM |
| PAPER TYPE | JOB BUILD | JOB MEMORY |
4 Select the item to print, and then press the [ENTER] button.

- PAGE NUMBER: Page numbers
- Page, Date&Time: Page numbers, date and time

```
<table>
<thead>
<tr>
<th>ANNOTATION</th>
<th>PAGE NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page, Date&amp;Time</td>
<td></td>
</tr>
<tr>
<td>OFF</td>
<td></td>
</tr>
</tbody>
</table>
```

The annotation is set.

5 Select the other copy modes as required, and then press the [START] button.
Changing Copy Setting on Each Job - JOB BUILD -

This function is useful for originals consisting of several jobs (= stacks). You can change settings and scanning methods for each job, and when all the originals have been scanned under the different settings, they are copied in one go. A maximum of 250 pages can be handled in one go, and a maximum of 5 jobs can be scanned.

Some functions cannot be used together with this function or may have some restrictions.

**Note**

When the following functions are set for the first job, they are also set for the rest:
- Paper size selection
- Finishing modes
- Image shift

Functions not available:
- Mixed-size copying
- APS
- Copying booklet on both sides (“BOOK>2”)
- Specifying reproduction ratio manually
- XY zoom
- Magazine sort
- Dual page
- 2IN1/4IN1
- ID card
- Annotation

1. Place paper in the drawer.
2. Set copy quantities.
3. Select “JOB BUILD” in the copy menu, and then press the [ENTER] button.

<table>
<thead>
<tr>
<th>FINISHING</th>
<th>DUPLEX</th>
<th>2IN1/4IN1</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMAGE SHIFT</td>
<td>DUAL PAGE</td>
<td>ID CARD</td>
</tr>
<tr>
<td>EDGE ERASE</td>
<td>ANNOTATION</td>
<td>XY ZOOM</td>
</tr>
<tr>
<td>PAPER TYPE</td>
<td>JOB BUILD</td>
<td>JOB MEMORY</td>
</tr>
</tbody>
</table>
4 Select “ON”, press the [ENTER] button, and then the [CANCEL] button.

![JOB BUILD ON/OFF]

The job build function is set and the LCD screen shows as follows:

![READY (JOB BUILD) 1]

AMS | SORT
ZOOM | FINISHING | EDIT

5 Place the first job of the originals.

6 Select other copy modes as required, and then press the [START] button.

Scanning starts. When the scanning is finished, the LCD screen shows as follows:

![JOB BUILD] Scan next page
End job build

7 Place the next job.

Repeat steps 6 and 7 until all the jobs are scanned.

8 When all the originals have been scanned, select “End job build”, and then press the [ENTER] button.

![JOB BUILD] Scan next page
End job build

Copying starts.
2 or 4 pages of originals can be copied into 1 page by reducing their reproduction ratio. When the Automatic Duplexing Unit (optional) is used, maximum 8 pages can be copied in 1 sheet, using its both sides.

**2IN1**

![Diagram of 2IN1 copy setup](image)

**4IN1**

![Diagram of 4IN1 copy setup](image)

**2IN1 DUPLEX (a: Side 1, b: Side 2)**
- When a copy is turned with the line as a pivot, originals are printed on Side 2 (back face) as shown.

![Diagram of 2IN1 duplex copy setup](image)

**4IN1 DUPLEX (a: Side 1, b: Side 2)**
- When a copy is turned with the line as a pivot, originals are printed on Side 2 (back face) as shown.

![Diagram of 4IN1 duplex copy setup](image)
1 Place paper in the drawer.

**Note**

When you place paper on the bypass tray, register the size of the paper into the equipment in advance.

2 Select “2IN1/4IN1” in the copy menu, and then press the [ENTER] button.

```
FINISHING  DUPLEX  2IN1/4IN1
IMAGE SHIFT DUAL PAGE ID CARD
EDGE ERASE ANNOTATION XY ZOOM
PAPER TYPE JOB BUILD JOB MEMORY
```

3 Select either of 2IN1 or 4IN1, and then press the [ENTER] button or button.

- **2IN1**: 2 pages of originals to 1 page of copy
- **4IN1**: 4 pages of originals to 1 page of copy

```
2IN1/4IN1
  2IN1
  4IN1
  OFF
```

4 Select the duplex copying mode, and then press the [ENTER] button.

When you select a mode other than “1>1 SIMPLEX”, the button can be used instead of the [ENTER] button.

- **1>1 SIMPLEX**: 1-sided original to 1-sided copy
- **1>2 DUPLEX**: 1-sided original to 2-sided copy
- **2>2 DUPLEX**: 2-sided original to 2-sided copy
- **2>1 SPLIT**: 2-sided original to 1-sided copy

```
2IN1
  2IN1 SIMPLEX
  1>2 DUPLEX
  2>2 DUPLEX
```


5 Select the finishing mode, and then press the [ENTER] button.
   **BOOK TYPE:** Open to left
   **TABLET TYPE:** Open to top

   ![Diagram of copy modes]

   **Note**
   When "1>1 SIMPLEX" is selected in step 4, this procedure is not necessary.
   The 2IN1 / 4IN1 is set.

6 Select the other copy modes as required, and then press the [START] button.
The both sides of a card-sized original can be copied into one side of LT paper. This function is useful when you need to copy massive amounts of 2-sided cards.

1. Place paper in the drawer.

   **Note**

   LT and LT-R sizes are available.

2. Select “ID CARD” in the copy menu, and then press the [ENTER] button.

   ![Options Menu]

<table>
<thead>
<tr>
<th>FINISHING</th>
<th>DUPLEX</th>
<th>2IN1/4IN1</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMAGE SHIFT</td>
<td>DUAL PAGE</td>
<td>ID CARD</td>
</tr>
<tr>
<td>EDGE ERASE</td>
<td>ANNOTATION</td>
<td>XY ZOOM</td>
</tr>
<tr>
<td>PAPER TYPE</td>
<td>JOB BUILD</td>
<td>JOB MEMORY</td>
</tr>
</tbody>
</table>

3. Select “ON”, and then press the [ENTER] button.

   ![ID Card Option]

   The ID card function is set.

4. Raise the Platen Cover (optional) or the Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional).
5 **Place a card original on the original glass.**
Place the card face down, aligning and pushing it to the left rear corner of the original glass.

![Image of a card on the original glass]

**Note**
The portion of an original which is on the upper and left edges (width of approx. 0.08") of the original glass may not be copied. Place an original away from both edges, if you want to copy the whole of the original.

6 **Lower the Platen Cover (optional) or the Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional) carefully.**

7 **Select the other copy modes as required, and then press the [START] button.**
The scanning of its top side starts. The LCD screen shows as follows:

```
Set back of ID CARD 1
100% SORT
ZOOM FINISHING EDIT
```

8 **Raise the Platen Cover (optional) or the Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional).**

9 **Turn over the card and place it on the original glass again.**
Align and push it to the left rear corner of the original glass.

**Note**
The portion of an original which is on the upper and left edges (width of approx. 0.08") of the original glass may not be copied. Place an original away from both edges, if you want to copy the whole of the original.
10 Lower the Platen Cover (optional) or the Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional) carefully.

11 Press the [START] button.
Changing Sizes in Horizontal and Vertical Directions - XY ZOOM -

You can select each reproduction ratio of the horizontal and vertical directions separately.

1. Place paper in the drawer.

2. Place the original.

3. Select “XY ZOOM” in the copy menu, and then press the [ENTER] button.

4. Press the selecting button B (–) or C (+) to set the desired reproduction ratio.
   One press of each button increases or decreases the reproduction ratio by 1%. When you keep pressing either or them, the reproduction ratio also keeps changing. The reproduction ratio can be set from 25% to 200%.
   The direction can be switched with the selecting button A (X/Y).

5. Press the [ENTER] button.
   The reproduction ratios are set.

6. Press the [CANCEL] button.
   The screen returns to the “copy mode” main screen.
7 Press the [COPY] button several times until the lamp of the desired paper size is lit.
   e.g.) Selecting LT for copy paper

   ![Diagram of paper size selection]

   **Tips**
   - You can select the desired paper size with the [DRAWER] button in the same procedure.
   - When standard size paper other than LD, LT, LT-R, LG or ST-R is placed, register this size as "OTHER" size in advance.
     P.47 "Registering other standard sizes"

8 Select the other copy modes as required, and then press the [START] button.
You can register the combination of functions frequently used, and recall it as required. The combinations once registered will not be deleted by turning the power of the equipment OFF. Up to 4 combinations of functions can be registered.

The functions available are shown below.
Original size, APS/AMS, Mixed-size copying, Reproduction ratio, Image mode, Copy density, Finishing modes, Image shift, Edge erase, Paper type, Duplex, Dual page, Annotation, Job build, 2IN1/4IN1, XY zoom

**Registering combination of functions**

1. **Set all functions you want to register.**
   e.g.) Reproduction ratio: 85%, copy qty.: 20, density: automatic density mode, paper size: LT-R

2. **Select “JOB MEMORY” in the copy menu, and then press the [ENTER] button.**

   | FINISHING | DUPLEX | 2IN1/4IN1 |
   | IMAGE SHIFT | DUAL PAGE | ID CARD |
   | EDGE ERASE | ANNOTATION | XY ZOOM |
   | PAPER TYPE | JOB BUILD | JOB MEMORY |

3. **Select “MEMORY”, and then press the [ENTER] button or ➔ button.**

   | JOB MEMORY |
   | RECALL ➔ |
   | MEMORY ➔ |
4 Select among “MEMORY1”, “MEMORY2”, “MEMORY3” and “MEMORY4”. Then press the [ENTER] button.

  e.g.) Selecting “MEMORY4”

<table>
<thead>
<tr>
<th>MEMORY</th>
<th>MEMORY2</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEMORY3</td>
<td>MEMORY4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MEMORY</th>
<th>MEMORY2</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEMORY3</td>
<td>MEMORY4</td>
</tr>
</tbody>
</table>

**Note**

A mark on the left end of the memory name indicates that the combination of functions has already been registered to the memory. When you select a memory number already registered, the memory content will be overwritten.

The combination of the functions has been registered.

Recalling combination of functions

1 Select “JOB MEMORY” in the copy menu, and then press the [ENTER] button.

<table>
<thead>
<tr>
<th>FINISHING</th>
<th>DUPLEX</th>
<th>2IN1/4IN1</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMAGE SHIFT</td>
<td>DUAL PAGE</td>
<td>ID CARD</td>
</tr>
<tr>
<td>EDGE ERASE</td>
<td>ANNOTATION</td>
<td>XY ZOOM</td>
</tr>
<tr>
<td>PAPER TYPE</td>
<td>JOB BUILD</td>
<td>JOB MEMORY</td>
</tr>
</tbody>
</table>

2 Select “RECALL”, and then press the [ENTER] button or ▶ button.
3 Select among “MEMORY1”, “MEMORY2”, “MEMORY3” and “MEMORY4”. Then press the [ENTER] button.

   e.g.) Selecting “MEMORY4”

<table>
<thead>
<tr>
<th>RECALL</th>
<th>MEMORY2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>MEMORY3</td>
</tr>
<tr>
<td>MEMORY4</td>
<td></td>
</tr>
</tbody>
</table>

**Note**

A memory to which the combination of functions has already been registered has a mark on the left end of the memory name.

The combination of the functions is recalled.

4 **Select the other copy modes as required, and then press the [START] button.**
CHANGING EQUIPMENT’S SETTINGS

This chapter describes how to change each setting of this equipment.

Before Changing the Settings .................................................................119
  Displaying the “user functions mode” main screen ..................................119
  Operating buttons for changing the settings ............................................120

Date and Time .....................................................................................122
  Clock setting .....................................................................................122
  Date and time display ........................................................................124

Display Language Setting ....................................................................125

Paper Size Setting ...............................................................................126

Walkup Screen Setting ..........................................................................128

Timer Setting .......................................................................................130
  Time of automatic function clear .........................................................130
  Time of automatic low power mode ....................................................132
  Time of automatic sleep mode ...........................................................134

Weekly Timer Setting ..........................................................................136

Volume Adjustment ...............................................................................139

Touch Key Tone Setting ........................................................................141

Department Code ................................................................................143
  Setting department codes ....................................................................143
  Changing department names or codes ................................................147
  Deleting department codes ..................................................................150
  Clearing counter values .......................................................................152
  Printing out counter values ..................................................................154
  Canceling department management .....................................................155

Menu Customize ..................................................................................157

APS / AMS .........................................................................................159
Image Mode ...........................................................................................................161
Density Adjustment ..............................................................................................163
Finishing Mode......................................................................................................165
Various List Printing.............................................................................................167
Menu List Printing.................................................................................................169
ROM Version Display............................................................................................170
Before Changing the Settings

The settings of this equipment can be changed depending on your usage. The screen and the basic button operation are explained in this section.

Displaying the “user functions mode” main screen

To change the settings, operate the buttons on the control panel viewing the menu. Press the [USER FUNCTIONS] button on the control panel.

The “user functions mode” main screen is displayed. Select the item from this screen and change the setting.

Checking the total number of sheets ever copied or printed

You can check the total number of sheets ever copied or printed. The total number of sheets is displayed on the top right corner of the “user functions mode” main screen.

Note

The total number of sheets cannot be reset.

Checking the menu structure

The menu of this equipment can be printed as a list. See the page below for details. 

P.169 “Menu List Printing”

Menu items not described in this manual

This operator’s manual explains the general settings and the setting of copying function in this equipment. The settings used when the options such as Fax or Scanner are installed are described in the manuals that come with the options.
Operating buttons for changing the settings

Use the following buttons when changing the settings.

- **[FUNCTION CLEAR] button**: Use this to return the display to the “user functions mode” main screen.

- **[CANCEL] button**: Use this to cancel the selected operation. The screen returns to the previous menu. Press this button in the “user functions mode” main screen to return the screen to the “copy mode” main screen.

- **[ ] button**: Use this to move the cursor to the right and left.

- **[ ] button**: Use this to move the cursor up and down to select the menu and item.

- **[ENTER] button**: Use this to perform the selection of the menu and item.

- **Digital keys**: Use this to enter the values.

- **[CLEAR/STOP] button**: Use this to clear the entered value in one go.

Examples of the menu operation are shown below.

```
INITIAL SETUP
01.DATE & TIME
02.LANGUAGE
03.TERMINAL ID
```

**02.LANGUAGE**

1. English
2. Français
3. Español

The specified operation is performed and the next menu appears.

The specified operation is canceled and the screen returns to the previous menu.

*1 At the head of items, 1 or 2-digit numbers are attached. Instead of pressing the , and [ENTER] button, keying in this number selects and performs the item directly.
Returning to the “copy mode” main screen

Press the [USER FUNCTIONS] button or (copy mode) button. The screen returns to the “copy mode” main screen.
Date and Time

This section describes how to set a clock and the time stamp display.

Clock setting

1. Press the [USER FUNCTIONS] button.

2. Select “INITIAL SETUP” with ▲ and ▼ buttons, and then press the [ENTER] button.

3. Select “DATE & TIME” with ▲ and ▼ buttons, and then press the [ENTER] button.

4. Select “SETTING” with ▲ and ▼ buttons, and then press the [ENTER] button.
5 **Key in the date.**
e.g.) April 10, 2006: [2] [0] [0] [6] [0] [4] [1] [0]

<table>
<thead>
<tr>
<th>YYYY-MM-DD</th>
<th>DAY</th>
<th>HH:MM</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006-04-10</td>
<td>SUN</td>
<td>09:45 AM</td>
</tr>
</tbody>
</table>

6 **Select the date of the week with the ‡ and † buttons, and then press the ▶ button.**

<table>
<thead>
<tr>
<th>YYYY-MM-DD</th>
<th>DAY</th>
<th>HH:MM</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006-04-10</td>
<td>MON</td>
<td>09:45 AM</td>
</tr>
</tbody>
</table>

7 **Key in the time.**
e.g.) 10:30 am: [1] [0] [3] [0]

<table>
<thead>
<tr>
<th>YYYY-MM-DD</th>
<th>DAY</th>
<th>HH:MM</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006-04-10</td>
<td>MON</td>
<td>10:30 AM</td>
</tr>
</tbody>
</table>

**Tip**

If 12-hour display is set, press the ‡ or † button to switch the a.m./p.m.

8 **After all the items have finished being entered, press the [ENTER] button.**
The time is set and the screen returns to the menu in step 4.

9 **Press the [USER FUNCTIONS] button or [COPY] (copy mode) button.**
The screen returns to the “copy mode” main screen.
Date and time display

You can set the display format of the date and time by selecting each item from the “DATE & TIME” menu.

```
DATE & TIME
01.SETTING
02.TIME FORMAT
03.DATE FORMAT
```

Time display format

Select the time display format.
- 24 HOUR: 24-hour display
- 12 HOUR: 12-hour display

```
TIME FORMAT
1.24 HOUR
2.12 HOUR
```

Date format

Select the date display format.
e.g.) April 10, 2006
- YYYY-MM-DD  2006-04-10
- MM-DD-YYYY  04-10-2006
- DD-MM-YYYY  10-04-2006
- YY-MM-DD  06-04-10
- MM-DD-YY  04-10-06
- DD-MM-YY  10-04-06

```
DATE FORMAT
1.YYYY-MM-DD
2.MM-DD-YYYY
3.DD-MM-YYYY
```

Month format

Select the month display.
- NUMERIC: Display the month using the numbers.
- NAME: Display the month using letters of alphabet. (E.g.: Jan, Feb, etc.)

```
MONTH MODE
1.NUMERIC
2.NAME
```
Display Language Setting

This section describes how to switch the display language on the screen.

1. Press the [USER FUNCTIONS] button.

The “user functions mode” main screen is displayed.

2. Select “INITIAL SETUP” with ▲ and ▼ buttons, and then press the [ENTER] button.

3. Select “LANGUAGE” with ▲ and ▼ buttons, and then press the [ENTER] button.

4. Select the display language with the ▲ and ▼ buttons, and then press the [ENTER] button.

   The following languages can be selected:
   English, French, Italian, German, Spanish, Russian, Polish, Dutch, Danish, Norwegian, Swedish, Finnish

The display language is set and the screen returns to the menu in step 3.

5. Press the [USER FUNCTIONS] button or COPY (copy mode) button.

The screen returns to the “copy mode” main screen.
Paper Size Setting

This section describes how to set the paper size placed in the drawer or on the bypass tray.

1. **Press the [USER FUNCTIONS] button.**

![User Functions Screen]

The “user functions mode” main screen is displayed.

2. **Select “DEFAULT SETTINGS” with ▲ and ▼ buttons, and then press the [ENTER] button.**

![Default Settings Menu]

3. **Select “GENERAL SETTING” with ▲ and ▼ buttons, and then press the [ENTER] button.**

![General Settings Menu]

4. **Select “DRAWER SIZE” with ▲ and ▼ buttons, and then press the [ENTER] button.**

![Drawer Size Menu]
5 Select the desired drawer with ↑ and ↓ buttons, and then press the [ENTER] button.

<table>
<thead>
<tr>
<th>DRAWER SIZE</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>01. DRAWER 1</td>
<td></td>
</tr>
<tr>
<td>02. DRAWER 2</td>
<td></td>
</tr>
<tr>
<td>03. DRAWER 3</td>
<td></td>
</tr>
</tbody>
</table>

6 Select the desired paper size with ↑ and ↓ buttons, and then press the [ENTER] button.

Paper sizes that can be set are as follows: LD, LG, LT, LT-R, ST-R, A3, A4, A4-R, B4, B5, B5-R, A5-R, FOLIO, COMP, 13"LG (The ST-R and A5-R size paper can be set only when the bypass tray is used.)

<table>
<thead>
<tr>
<th>Select paper size</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>01. LD</td>
<td></td>
</tr>
<tr>
<td>02. LG</td>
<td></td>
</tr>
<tr>
<td>03. LT</td>
<td></td>
</tr>
</tbody>
</table>

The paper size is set and the screen returns to the menu in step 5.

7 Press the [USER FUNCTIONS] button or (copy mode) button.

The screen returns to the “copy mode” main screen.
Walkup Screen Setting

This section describes how to set the screen when the power of the equipment is turned ON. In the initial screen set at the time of shipping, the "copy mode" main screen is displayed.

1. Press the [USER FUNCTIONS] button.

The "user functions mode" main screen is displayed.

2. Select “DEFAULT SETTINGS” with ▲ and ▼ buttons, and then press the [ENTER] button.

3. Select “GENERAL SETTING” with ▲ and ▼ buttons, and then press the [ENTER] button.

4. Select “WALKUP SCREEN” with ▲ and ▼ buttons, and then press the [ENTER] button.
5 Select the desired walkup screen with ▲ and ▼ buttons, and then press the [ENTER] button.
Choose one among COPY, FAX or SCAN.

<table>
<thead>
<tr>
<th>WALKUP SCREEN</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. COPY</td>
</tr>
<tr>
<td>2. FAX</td>
</tr>
<tr>
<td>3. SCAN</td>
</tr>
</tbody>
</table>

Notes

- “FAX” is displayed only when the Fax Kit (optional) is installed.
- “SCAN” is displayed only when the Scanner Upgrade Kit (optional) is installed.

The walkup screen is set and the screen returns to the menu in step 4.

6 Press the [USER FUNCTIONS] button or (copy mode) button.
The screen returns to the “copy mode” main screen.

Tip

After the mode has been changed and the time of the automatic function clear has passed, the setting becomes enabled.
This section describes how to set the following timers.

**AUTO CLEAR:** Time until the selected setting is cleared automatically

**AUTO LOW POWER:** Time until the low power mode is entered

**AUTO SLEEP:** Time until the sleep mode is entered after the low power mode has been entered

For the low power mode and sleep mode, see “EPA ENERGY STAR” on the first page of this manual.

### Time of automatic function clear

1. **Press the [USER FUNCTIONS] button.**

   ![User Functions Menu](image)

   The "user functions mode" main screen is displayed.

2. **Select “DEFAULT SETTINGS” with ▲ and ▼ buttons, and then press the [ENTER] button.**

   ![Default Settings Menu](image)

3. **Select “GENERAL SETTING” with ▲ and ▼ buttons, and then press the [ENTER] button.**

   ![General Settings Menu](image)
4 Select “TIMERS” with ▲ and ▼ buttons, and then press the [ENTER] button.

<table>
<thead>
<tr>
<th>GENERAL SETTING</th>
</tr>
</thead>
<tbody>
<tr>
<td>01. DRAWER SIZE</td>
</tr>
<tr>
<td>02. WALKUP SCREEN</td>
</tr>
<tr>
<td>03. TIMERS</td>
</tr>
</tbody>
</table>

5 Select “AUTO CLEAR” with ▲ and ▼ buttons, and then press the [ENTER] button.

<table>
<thead>
<tr>
<th>TIMERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. AUTO CLEAR</td>
</tr>
<tr>
<td>2. AUTO POWER SAVE</td>
</tr>
<tr>
<td>3. AUTO SLEEP</td>
</tr>
</tbody>
</table>

6 Select the time of “AUTO CLEAR” with ▲ and ▼ buttons, and then press the [ENTER] button.

Selectable times are as follows. (Unit: second)
15, 30, 45, 60, 75, 90, 105, 120, 135, 150, 180, 210, 240, 270, 300

<table>
<thead>
<tr>
<th>TIMERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO</td>
</tr>
<tr>
<td>CLEAR: 45</td>
</tr>
</tbody>
</table>

The time of the automatic function clear is set and the screen returns to the menu in step 5.

7 Press the [USER FUNCTIONS] button or パート (copy mode) button.

The screen returns to the “copy mode” main screen.
Time of automatic low power mode

1. Press the [USER FUNCTIONS] button.

2. Select “DEFAULT SETTINGS” with ▲ and ▼ buttons, and then press the [ENTER] button.

3. Select “GENERAL SETTING” with ▲ and ▼ buttons, and then press the [ENTER] button.

4. Select “TIMERS” with ▲ and ▼ buttons, and then press the [ENTER] button.
5 Select “AUTO LOW POWER” with ▲ and ▼ buttons, and then press the [ENTER] button.

<table>
<thead>
<tr>
<th>TIMERS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.AUTO CLEAR</td>
<td></td>
</tr>
<tr>
<td>2.AUTO POWER SAVE</td>
<td></td>
</tr>
<tr>
<td>3.AUTO SLEEP</td>
<td></td>
</tr>
</tbody>
</table>

6 Select the time of “AUTO LOW POWER” with ▲ and ▼ buttons, and then press the [ENTER] button.

Selectable times are as follows. (Unit: minute)
1, 2, 3, 4, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 70, 80, 90, 100, 110, 120, 150, 180, 210, 240

<table>
<thead>
<tr>
<th>TIMERS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO POWER</td>
<td>240MIN</td>
</tr>
<tr>
<td>SAVE:</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>1MIN</td>
</tr>
</tbody>
</table>

The time of the automatic low power mode is set and the screen returns to the menu in step 5.

7 Press the [USER FUNCTIONS] button or (copy mode) button.

The screen returns to the “copy mode” main screen.
Time of automatic sleep mode

1. Press the [USER FUNCTIONS] button.

2. Select “DEFAULT SETTINGS” with ▲ and ▼ buttons, and then press the [ENTER] button.

3. Select “GENERAL SETTING” with ▲ and ▼ buttons, and then press the [ENTER] button.

4. Select “TIMERS” with ▲ and ▼ buttons, and then press the [ENTER] button.
5 Select “AUTO SLEEP” with ▲ and ▼ buttons, and then press the [ENTER] button.

6 Select the time of “AUTO SLEEP” with ▲ and ▼ buttons, and then press the [ENTER] button.
Selectable times are as follows. (Unit: minute)
3, 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 70, 80, 90, 100, 110, 120, 150, 180, 210, 240

7 Press the [USER FUNCTIONS] button or COPY (copy mode) button.
The screen returns to the “copy mode” main screen.
Weekly Timer Setting

This section describes how to set the weekly timer. Use the weekly timer to set the equipment to enter the sleep mode automatically at the specified time. You can set the equipment to enter the stand-by status when the office hour starts, and to enter the sleep mode when the office hour ends. The time can be set for each day of the week.

**Notes**

- If the equipment is in the energy saving mode at the time when the weekly timer is set to turn the power OFF, it does not become ready status at the time when the weekly timer is set to turn the power ON. In this case, make the equipment in the ready status by following the procedure below.
  - Press the [ENERGY SAVER] button.
  - Open the Platen Cover (optional) or Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional).
  - Connect the equipment to a PC with a USB cable.
- If the power of the equipment is turned OFF, the weekly timer function does not work.

**Tip**

When the Fax Kit (optional) is used, it is recommended to use this function for the energy saving.

1. **Press the [USER FUNCTIONS] button.**

   ![User Functions Screen]

   The "user functions mode" main screen is displayed.

2. **Select “DEFAULT SETTINGS” with  and  buttons, and then press the [ENTER] button.**

   ![User Functions Menu]

   01.DEFAULT SETTINGS
   02.LISTS
   03.INITIAL SETUP
3 Select “GENERAL SETTING” with ▲ and ▼ buttons, and then press the [ENTER] button.

4 Select “WEEKLY TIMER” with ▲ and ▼ buttons, and then press the [ENTER] button.

5 Select “ON” with ▲ and ▼ buttons, and then press the [ENTER] button.

6 Select the desired day of the week with the ▲ and ▼ buttons, and then press the [ENTER] button.

7 Key in the time to turn the power ON, and then press the [ENTER] button.
e.g.) 10:30: [1] [0] [3] [0]

Tip
If 12-hour display is set, press the ▲ or ▼ button to switch the a.m./p.m.
8 Key in the time to turn the power OFF, and then press the [ENTER] button.

<table>
<thead>
<tr>
<th>SUNDAY</th>
<th>OFF TIME: HH:MM</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>07:30 PM</td>
</tr>
</tbody>
</table>

The time to turn the power ON/OFF is set and the screen returns to the menu in step 6.

9 Set the time to turn the power ON/OFF for each day of the week by following steps 6 to 8.

10 When all the setting is completed, select “COMPLETE”, and then press the [ENTER] button.

```
WEEKLY TIMER
6. FRIDAY      ▲
7. SATURDAY    ▼
8. COMPLETE   ▼
```

The weekly timer is set and the screen returns to the menu in step 4.

11 Press the [USER FUNCTIONS] button or (copy mode) button. The screen returns to the “copy mode” main screen.

Clearing the weekly timer
Select “OFF” in step 5.

**Tip**
The time settings remain even if the weekly timer is cleared. They become valid when the weekly timer is set to ON again.
Volume Adjustment

This section describes how to set the alarm volume, key touch volume, ringer volume and monitor volume.

**Note**

The menu of this setting is displayed only when the Fax Kit (optional) is installed. When it is not installed, the touch key tone can be switched ON/OFF.

P.141 “Touch Key Tone Setting”

1 Press the [USER FUNCTIONS] button.

![User Functions Menu]

The “user functions mode” main screen is displayed.

2 Select “DEFAULT SETTINGS” with ▲ and ▼ buttons, and then press the [ENTER] button.

![User Functions Settings]

3 Select “GENERAL SETTING” with ▲ and ▼ buttons, and then press the [ENTER] button.

![Default Settings]

4 Select “SPEAKER VOLUME” with ▲ and ▼ buttons, and then press the [ENTER] button.

![Speaker Volume Settings]
5 Select the desired volume with the ▲ and ▼ buttons, and then press the [ENTER] button.
The volume of the following items can be set:
Alarm volume, Key touch volume, Ringer volume and Monitor volume
e.g.) When “ALARM VOLUME” is selected

<table>
<thead>
<tr>
<th>SPEAKER VOLUME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.ALARM VOLUME</td>
</tr>
<tr>
<td>2.KEY TOUCH VOLUME</td>
</tr>
<tr>
<td>3.RINGER VOLUME</td>
</tr>
</tbody>
</table>

6 Adjust the volume with the ▲ and ▼ buttons, and then press the [ENTER] button.
The volume can be adjusted in eight levels from 0 (no sound) to 7(max.).

<table>
<thead>
<tr>
<th>ALARM VOLUME</th>
</tr>
</thead>
<tbody>
<tr>
<td>VOLUME:</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>7</td>
</tr>
<tr>
<td>3</td>
</tr>
<tr>
<td>0</td>
</tr>
</tbody>
</table>

The volume is set and the screen returns to the menu in step 5.

7 Adjust the other volumes as required by following steps 5 and 6.

8 Press the [USER FUNCTIONS] button or (copy mode) button.
The screen returns to the “copy mode” main screen.
Touch Key Tone Setting

This section describes how to switch ON/OFF the touch tone when the buttons on the control panel are pressed.

**Note**

The menu of this setting is displayed only when the Fax Kit (optional) is not installed. When it is installed, all of the volume can be adjusted.

P.139 “Volume Adjustment”

1. Press the [USER FUNCTIONS] button.

2. Select “DEFAULT SETTINGS” with ▲ and ▼ buttons, and then press the [ENTER] button.

3. Select “GENERAL SETTING” with ▲ and ▼ buttons, and then press the [ENTER] button.

4. Select “TOUCH KEY TONE” with ▲ and ▼ buttons, and then press the [ENTER] button.
5 Select “ON” or “OFF” with ▲ and ▼ buttons, and then press the [ENTER] button.

<table>
<thead>
<tr>
<th>TOUCH KEY TONE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. OFF</td>
</tr>
<tr>
<td>2. ON</td>
</tr>
</tbody>
</table>

The screen returns to the menu in step 4.

6 Press the [USER FUNCTIONS] button or (copy mode) button.

The screen returns to the “copy mode” main screen.
Department Code

This section describes how to manage and understand the records of copying, Fax transmission/reception and printing of each group (department) in your office with the department code management.

When the department code management is enabled, a screen prompting you to enter your department code is displayed before you use this equipment. Thus the unauthorized use of this equipment is prevented.

P.33 “Turning power ON”

Setting department codes

1 Press the [USER FUNCTIONS] button.

The "user functions mode" main screen is displayed.

2 Select “DEFAULT SETTINGS” with ▲ and ▼ buttons, and then press the [ENTER] button.

3 Select “GENERAL SETTING” with ▲ and ▼ buttons, and then press the [ENTER] button.
4 Select “DEPARTMENT CODE” with ▲ and ▼ buttons, and then press the [ENTER] button.

```
GENERAL SETTING
04.WEEKLY TIMER ▲
05.SPEAKER VOLUME
06.DEPARTMENT CODE ▼
```

5 Select “YES” with ▲ and ▼ buttons, and then press the [ENTER] button.

```
DEPARTMENT CODE
1.YES ▲
2.NO ▼
```

6 Select “NEW” with ▲ and ▼ buttons, and then press the [ENTER] button.

```
DEPARTMENT CODE
1.RECOVER OLD DATA ▲
2.NEW ▼
```

**Notes**

- This screen is not displayed when you set the department management of this equipment for the first time or when the department management is already enabled (“YES” in step 5 is already selected).
- If “NEW” is selected, the master code and department code which have been set by that time will be deleted. (If you use the master code and department code already registered, select “RECOVER OLD DATA”.)

Then, set a master code (administrator’s code). If the External Keyboard (optional) is installed, proceed to step 7. If not, proceed to step 8.
7 Enter the master code name, and then press the [ENTER] button.

<table>
<thead>
<tr>
<th>MASTER CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>MASTER CODE NUMBER: 01</td>
</tr>
<tr>
<td>ENTER MASTER CODE NAME (MAX 20):</td>
</tr>
</tbody>
</table>

**Notes**
- Enter the master code name only when the External Keyboard (optional) is installed.
- A maximum of 20 desired letters can be set for the master code name.
- The master code name entry can be omitted. In this case, do not enter the master code name and just press the [ENTER] button.

**Tip**
For how to enter letters, see the manual which comes with the Fax Kit or Scanner Upgrade Kit (both optional).

8 Key in the master code, and then press the [ENTER] button.

<table>
<thead>
<tr>
<th>MASTER CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>MASTER CODE NUMBER: 01</td>
</tr>
<tr>
<td>ENTER MASTER CODE: 12345</td>
</tr>
</tbody>
</table>

**Notes**
- Enter 5 digits for the master code.
- Do not forget this master code because it is required for setting or deleting each department code.

The master code is now registered on the department number “01”. Then, set a department code.

9 Register a department code. Key in the desired department number, and then press the [ENTER] button.

<table>
<thead>
<tr>
<th>DEPARTMENT CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENTER DEPARTMENT NUMBER (1-99): 2</td>
</tr>
</tbody>
</table>

**Note**
Select the desired department number from “02” to “99”. (The master code is already registered on “01”.)

If the External Keyboard (optional) is installed, proceed to step 10. If not, proceed to step 11.
10 Enter the department name, and then press the [ENTER] button.

<table>
<thead>
<tr>
<th>DEPARTMENT CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEPARTMENT NUMBER: 02</td>
</tr>
<tr>
<td>ENTER DEPARTMENT NAME (MAX 20):</td>
</tr>
</tbody>
</table>

**Notes**
- Enter the department name only when the External Keyboard (optional) is installed.
- A maximum of 20 desired letters can be set for the department name.
- The department name entry can be omitted. In this case, do not enter the department name and just press the [ENTER] button.

**Tip**
For how to enter letters, see the manual which comes with the Fax Kit or Scanner Upgrade Kit (both optional).

11 Key in the department code, and then press the [ENTER] button.

<table>
<thead>
<tr>
<th>DEPARTMENT CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEPARTMENT NUMBER: 02</td>
</tr>
<tr>
<td>ENTER DEPARTMENT CODE: 55310</td>
</tr>
</tbody>
</table>

**Notes**
- Enter 5 digits for the department code.
- Department codes already registered cannot be keyed in.

The screen returns to the one in step 9.

12 Register the other department codes as required, following steps from 9 to 11.

13 Press the [USER FUNCTIONS] button or [COPY] (copy mode) button.
The screen returns to the “copy mode” main screen.
Changing department names or codes

This section describes how to change the department names or codes already registered. Key in the master code in the department code entry screen, and then proceed to the following steps:

1  Press the [USER FUNCTIONS] button.

![User Functions Screen](image)

The “user functions mode” main screen is displayed.

2  Select “DEFAULT SETTINGS” with ▲ and ▼ buttons, and then press the [ENTER] button.

![Default Settings Menu](image)

3  Select “GENERAL SETTING” with ▲ and ▼ buttons, and then press the [ENTER] button.

![General Setting Menu](image)

4  Select “DEPARTMENT CODE” with ▲ and ▼ buttons, and then press the [ENTER] button.

![Department Code Menu](image)
5 Select “YES” with ▲ and ▼ buttons, and then press the [ENTER] button.

![Department Code](image)

6 Key in the department number you want to change its setting, and then press the [ENTER] button.

![Department Code](image)

The screen below is displayed for approx. 2 seconds.

![Department Code](image)

7 Select “MODIFY” with ▲ and ▼ buttons, and then press the [ENTER] button.

![Department Code](image)

If the External Keyboard (optional) is installed, proceed to step 8. If not, proceed to step 9.
8. Enter a new department name, and then press the [ENTER] button.

<table>
<thead>
<tr>
<th>DEPARTMENT CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEPARTMENT NUMBER: 02</td>
</tr>
<tr>
<td>ENTER DEPARTMENT NAME (MAX 20):</td>
</tr>
</tbody>
</table>

**Notes**
- Enter the department name only when the External Keyboard (optional) is installed.
- A maximum of 20 desired letters can be set for the department name.
- The department name entry can be omitted. In this case, do not enter the department name and just press the [ENTER] button.

**Tip**
For how to enter letters, see the manual which comes with the Fax Kit or Scanner Upgrade Kit (both optional).

9. Key in a new department code, and then press the [ENTER] button.

<table>
<thead>
<tr>
<th>DEPARTMENT CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEPARTMENT NUMBER: 02</td>
</tr>
<tr>
<td>ENTER DEPARTMENT CODE: 37802</td>
</tr>
</tbody>
</table>

**Notes**
- Enter 5 digits for the department code.
- Department codes already registered cannot be entered.

The setting has been changed and the screen returns to the one in step 6.

10. Change the other department codes as required, following steps from 6 to 9.

11. Press the [USER FUNCTIONS] button or (copy mode) button.
The screen returns to the “copy mode” main screen.
Deleting department codes

This section describes how to delete the department codes already registered. Key in the master code in the department code entry screen, and then proceed to the following steps:

1. Press the [USER FUNCTIONS] button.

   ![User Functions Menu]

   The "user functions mode" main screen is displayed.

2. Select “DEFAULT SETTINGS” with ▲ and ▼ buttons, and then press the [ENTER] button.

   ![User Functions Menu - DEFAULT SETTINGS]

3. Select “GENERAL SETTING” with ▲ and ▼ buttons, and then press the [ENTER] button.

   ![General Settings Menu]

4. Select “DEPARTMENT CODE” with ▲ and ▼ buttons, and then press the [ENTER] button.
5 Select “YES” with ▲ and ▼ buttons, and then press the [ENTER] button.

6 Key in the department number you want to delete, and then press the [ENTER] button.

7 Select “DELETE” with ▲ and ▼ buttons, and then press the [ENTER] button.

**Note**

Master codes cannot be deleted but only department codes can be deleted.

The department code is now deleted and the screen returns to the one in step 6.

8 Delete the other department codes as required, following steps 6 and 7.

9 Press the [USER FUNCTIONS] button or (copy mode) button.

The screen returns to the “copy mode” main screen.
Clearing counter values

This section describes how to clear counter values indicating the total number of pages copied in each department. Key in the master code in the department code entry screen, and then proceed to the following steps:

1. Press the [USER FUNCTIONS] button.

The “user functions mode” main screen is displayed.

2. Select “DEFAULT SETTINGS” with ▲ and ▼ buttons, and then press the [ENTER] button.

3. Select “GENERAL SETTING” with ▲ and ▼ buttons, and then press the [ENTER] button.

4. Select “DEPARTMENT CODE” with ▲ and ▼ buttons, and then press the [ENTER] button.
5 Select “YES” with ▲ and ▼ buttons, and then press the [ENTER] button.

6 Key in the department number you want to clear its counter, and then press the [ENTER] button.

Note
Keying in the department number of the master code (“01”) will clear all the department number counter values.

7 Select “COUNT CLEAR” with ▲ and ▼ buttons, and then press the [ENTER] button.

8 Clear the other counter values as required, following steps 6 and 7.

9 Press the [USER FUNCTIONS] button or (copy mode) button. The screen returns to the “copy mode” main screen.
Printing out counter values

This section describes how to print out the value of the total number of pages copied in each department.

**Notes**

- Counter values to be printed belong to the department which you entered on the department code entry screen.
- If you want to print the counter values of all the departments registered, key in the master code in the department code entry screen, and then proceed to the following steps:

1. **Press the [USER FUNCTIONS] button.**

   ![User Functions Menu]
   
   The "user functions mode" main screen is displayed.

2. **Select “LISTS” with ▲ and ▼ buttons, and then press the [ENTER] button.**

   ![User Functions Menu]
   
   Select “DEPARTMENT CODE” with ▲ and ▼ buttons, and then press the [ENTER] button.

   ![Department Code List]
   
   The department code list is printed out.
   See the list example in the following page:
   P.213 “Department code list”

3. **Press the [USER FUNCTIONS] button or (copy mode) button.**

   The screen returns to the "copy mode" main screen.
Canceling department management

1. Press the [USER FUNCTIONS] button.

The “user functions mode” main screen is displayed.

2. Select “DEFAULT SETTINGS” with ▲ and ▼ buttons, and then press the [ENTER] button.

3. Select “GENERAL SETTING” with ▲ and ▼ buttons, and then press the [ENTER] button.

4. Select “DEPARTMENT CODE” with ▲ and ▼ buttons, and then press the [ENTER] button.
5 Select “NO” with ▲ and ▼ buttons, and then press the [ENTER] button.

<table>
<thead>
<tr>
<th>DEPARTMENT CODE</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1. YES</td>
<td>▲</td>
</tr>
<tr>
<td>2. NO</td>
<td>▼</td>
</tr>
</tbody>
</table>

6 Press the [USER FUNCTIONS] button or (copy mode) button.
The screen returns to the “copy mode” main screen.
Menu Customize

This section describes how to change the setting of the custom function. The copy function which has been registered as custom function can be quickly recalled.

1 Press the [USER FUNCTIONS] button.

The “user functions mode” main screen is displayed.

2 Select “DEFAULT SETTINGS” with ▲ and ▼ buttons, and then press the [ENTER] button.

3 Select “COPY SETUP” with ▲ and ▼ buttons, and then press the [ENTER] button.

4 Select “MENU CUSTOMIZE” with ▲ and ▼ buttons, and then press the [ENTER] button.
5 **Select the setting you want to register to the menu customize with the ** and ** buttons, and then press the [ENTER] button.**

The following copy functions can be registered:
Finishing modes, Duplex, 2IN1/4IN1, Image shift, Dual-page and ID card

<table>
<thead>
<tr>
<th>MENU CUSTOMIZE</th>
</tr>
</thead>
<tbody>
<tr>
<td>4. IMAGE SHIFT  ▲</td>
</tr>
<tr>
<td>5. DUAL PAGE</td>
</tr>
<tr>
<td>6. ID CARD        ▼</td>
</tr>
</tbody>
</table>

The item of the menu customize is set and the screen returns to the menu in step 4.

6 **Press the [USER FUNCTIONS] button or [COPY] (copy mode) button.**

The screen returns to the “copy mode” main screen.
This section describes how to set the initial selection between “Automatic Paper Selection” and “Automatic Magnification Selection”.

1 Press the [USER FUNCTIONS] button.

2 Select “DEFAULT SETTINGS” with ▲ and ▼ buttons, and then press the [ENTER] button.

3 Select “COPY SETUP” with ▲ and ▼ buttons, and then press the [ENTER] button.

4 Select “APS/AMS” with ▲ and ▼ buttons, and then press the [ENTER] button.
5 Select the initial selection with the ▲ and ▼ buttons, and then press the [ENTER] button.
   APS: Automatic Paper Selection is initially selected.
   AMS: Automatic Magnification Selection is initially selected.
   NO: No initial selection

<table>
<thead>
<tr>
<th>APS/AMS</th>
<th>1.APS</th>
<th>2.AMS</th>
<th>3.NO</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>▲</td>
<td></td>
<td>▼</td>
</tr>
</tbody>
</table>

The initial selection is set and the screen returns to the menu in step 4.

6 Press the [USER FUNCTIONS] button or [COPY] (copy mode) button.
The screen returns to the “copy mode” main screen.
This section describes how to change the image mode.

1. Press the [USER FUNCTIONS] button.

The “user functions mode” main screen is displayed.

2. Select “DEFAULT SETTINGS” with ▲ and ▼ buttons, and then press the [ENTER] button.

3. Select “COPY SETUP” with ▲ and ▼ buttons, and then press the [ENTER] button.

4. Select “IMAGE MODE” with ▲ and ▼ buttons, and then press the [ENTER] button.
5 Select the image mode with the \( \uparrow \) and \( \downarrow \) buttons, and then press the [ENTER] button.

**TEXT/PHOTO:** Originals with text and photographs mixed

**PHOTO:** Originals with photogravure

**TEXT:** Originals with text (or text and line art) only

The image mode is set and the screen returns to the menu in step 4.

6 Press the [USER FUNCTIONS] button or \( \text{COPY} \) (copy mode) button.

The screen returns to the “copy mode” main screen.
Density Adjustment

This section describes how to switch the mode of the density adjustment.

1 **Press the [USER FUNCTIONS] button.**

![User Functions Menu]

The “user functions mode” main screen is displayed.

2 **Select “DEFAULT SETTINGS” with ▲ and ▼ buttons, and then press the [ENTER] button.**

```
USER FUNCTIONS  1216
01.DEFAULT SETTINGS ▲
02.LISTS
03.INITIAL SETUP ▼
```

3 **Select “COPY SETUP” with ▲ and ▼ buttons, and then press the [ENTER] button.**

```
DEFAULT SETTINGS
01.GENERAL SETTING ▲
02.COPY SETUP ▼
03.FAX SETUP
```

4 **Select “LIGHT/DARK” with ▲ and ▼ buttons, and then press the [ENTER] button.**

```
COPY SETUP
02.APS/AMS ▲
03.IMAGE MODE
04.LIGHT/DARK ▼
```
5 Select the mode of the density adjustment with the ▲ and ▼ buttons, and then press the [ENTER] button.

**AUTO:** The equipment detects the density of an original and sets the appropriate copy density automatically.

**MANUAL:** You can set the copy density manually.

If “AUTO” is selected, the automatic copy density mode is set and the screen returns to the menu in step 4. Proceed to step 7. When you select “MANUAL”, proceed to step 6.

6 Select the density with the ▲ and ▼ buttons, and then press the [ENTER] button.

The density can be set in seven levels from “LIGHT3” (Lighter) to “DARK3” (Darker).

7 Press the [USER FUNCTIONS] button or (copy mode) button.

The screen returns to the “copy mode” main screen.
Finishing Mode

This section describes how to set the initial finishing mode.

1 Press the [USER FUNCTIONS] button.

The “user functions mode” main screen is displayed.

2 Select “DEFAULT SETTINGS” with ↑ and ↓ buttons, and then press the [ENTER] button.

3 Select “COPY SETUP” with ↑ and ↓ buttons, and then press the [ENTER] button.

4 Select “FINISHING” with ↑ and ↓ buttons, and then press the [ENTER] button.
5 Select the initial finishing mode with the ▲ and ▼ buttons, and then press the [ENTER] button.
The following finishing modes can be selected: SORT, NON SORT, ALTERNATION and MAGAZINE SORT

<table>
<thead>
<tr>
<th>FINISHING</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. NON SORT</td>
</tr>
<tr>
<td>3. ALTERNATION</td>
</tr>
<tr>
<td>4. MAGAZINE SORT</td>
</tr>
</tbody>
</table>

The initial finishing mode is set and the screen returns to the menu in step 4.

6 Press the [USER FUNCTIONS] button or COPY (copy mode) button.
The screen returns to the “copy mode” main screen.
Various List Printing

This section describes how to print the list in order to check the following information.

**DEPARTMENT CODE:** The department codes which have been registered and the counter values of each department code

**FUNCTION:** The contents of the settings in this equipment

**SUPPLY NOTICE:** Supply information of the equipment

**ITU MAILBOX:** The box numbers and attributes of the mail boxes which have been registered, and the registration date/time of the originals

**CONFIGURATION PAGE:** The setting status of the Network Printer Kit (optional)

**NIC STATUS PAGE:** The NIC (Network Interface Card) information of the Network Printer Kit (optional)

1. **Press the [USER FUNCTIONS] button.**

   The "user functions mode" main screen is displayed.

2. **Select “LISTS” with ▲ and ▼ buttons, and then press the [ENTER] button.**
3 Select the list you want to print with the ▲ and ▼ buttons, and then press the [ENTER] button.

<table>
<thead>
<tr>
<th>LISTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.DEPARTMENT CODE</td>
</tr>
<tr>
<td>2.FUNCTION</td>
</tr>
<tr>
<td>3.SUPPLY NOTICE</td>
</tr>
</tbody>
</table>

**Notes**
- “SUPPLY NOTICE” is displayed only when the Fax Kit or Scanner Upgrade Kit (both optional) is installed.
- “ITU MAILBOX” is displayed only when the Fax Kit (optional) is installed.
- “CONFIGURATION PAGE” and “NIC STATUS PAGE” are displayed only when the Network Printer Kit (optional) is installed.

The list is printed.
See the following page for the printing example of each list.
☞ P.213 “List Print Format”

4 Press the [USER FUNCTIONS] button or COPY (copy mode) button.
The screen returns to the “copy mode” main screen.
This section describes how to print the menu list of the equipment.

**1 Press the [USER FUNCTIONS] button.**

The “user functions mode” main screen is displayed.

**2 Select “MENU LIST” with ▲ and ▼ buttons, and then press the [ENTER] button.**

The menu list is printed.
See the following page for the example of the menu list.

P.213 “List Print Format”

**3 Press the [USER FUNCTIONS] button or [COPY] (copy mode) button.**
The screen returns to the “copy mode” main screen.
This section describes how to display the product version.

1 Press the [USER FUNCTIONS] button.

The "user functions mode" main screen is displayed.

2 Select “MACHINE REVISIONS” with ▲ and ▼ buttons, and then press the [ENTER] button.

The product version of the equipment is displayed.

3 Press the [USER FUNCTIONS] button or (copy mode) button.

The screen returns to the "copy mode" main screen.
TROUBLESHOOTING

This chapter describes how to deal with error messages, how to release a paper jam, how to replace a toner cartridge and how to resolve other troubles.

When This Message Appears ................................................................. 172

Paper Jams ................................................................................................. 174
  Checking position of paper jams ......................................................... 174
  When paper jams occur frequently ..................................................... 175
  When releasing jammed paper ............................................................. 175
  Paper jams within Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional) ......................................................... 176
  Paper jams on bypass tray ................................................................. 179
  Paper jams within Automatic Duplexing Unit (optional) .................. 180
  Paper jam behind transfer unit .......................................................... 181
  Paper jams within fuser unit .............................................................. 183
  Paper jams within Paper Feed Unit (optional) .................................. 185
  Paper jams within Paper Feed Pedestal (optional) .......................... 186

Replacing Toner Cartridge ................................................................. 187

Before Calling Service Technician ........................................................ 194
  General operation ................................................................................ 194
  Toner-related items ............................................................................ 195
  Original/Copy paper-related items ..................................................... 196
  Image trouble ...................................................................................... 197
A message appears when a problem occurs on the equipment. Check the items on the list below and take a countermeasure accordingly.

<table>
<thead>
<tr>
<th>Message</th>
<th>Meaning</th>
<th>Countermeasure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Misfeed in ***</td>
<td>This appears when an original or a sheet of copy paper is jammed at the place indicated by &quot;***&quot;.</td>
<td>Remove any jammed paper. <a href="#">P.174 “Paper Jams”</a></td>
</tr>
<tr>
<td>Close ***</td>
<td>This appears when any cover of the equipment indicated by &quot;****&quot; is not securely closed.</td>
<td>Close the cover securely.</td>
</tr>
<tr>
<td>DRAWER * empty</td>
<td>This appears when the paper in a drawer indicated by &quot;**&quot; has run out.</td>
<td>Set paper in the drawer. <a href="#">P.37 “Placing paper in drawers”</a></td>
</tr>
<tr>
<td>Count over</td>
<td>The number of pages scanned has exceeded the maximum value (250 sheets).</td>
<td>Select “Print” on the LCD screen to copy the data scanned so far. Select “Cancel job” to delete all the data scanned so far.</td>
</tr>
<tr>
<td>Call for service</td>
<td>This appears when the repair or adjustment by your service technician is needed.</td>
<td>Contact your service representative. When the [8] key of the digital keys and the [CLEAR/STOP] button are pressed simultaneously, an error code (consisting of a letter of the alphabet and numbers) appears on the display. Contact your service technician with this code.</td>
</tr>
<tr>
<td>Time for maintenance</td>
<td>This appears when the maintenance by your service technician is needed.</td>
<td>Contact your service representative.</td>
</tr>
<tr>
<td>BYPASS empty</td>
<td>Paper set on the bypass tray has run out.</td>
<td>Place paper on the bypass tray. <a href="#">P.59 “Using Bypass Tray”</a></td>
</tr>
<tr>
<td>Toner is low</td>
<td>There is only a little toner remaining in the toner cartridge.</td>
<td>There is still a little toner remaining in the toner cartridge. Do not replace the toner cartridge until “Toner empty” appears on the display.</td>
</tr>
</tbody>
</table>

**Caution**

*Never attempt to repair, disassemble or modify the equipment by yourself.* This could cause an electric shock, a fire or serious injury. Contact your service representative when the equipment is in an abnormal condition or any malfunction is found.

**Notes**

- The message may not appear because the toner remaining in the cartridge does not lie evenly.
- When the message appears, it is advisable to purchase a new TOSHIBA-recommended cartridge to prepare for its replacement.
<table>
<thead>
<tr>
<th>Message</th>
<th>Meaning</th>
<th>Countermeasure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toner not recognized</td>
<td>The toner cartridge is not installed correctly.</td>
<td>Install the toner cartridge correctly.</td>
</tr>
<tr>
<td></td>
<td>A toner cartridge not recommended by TOSHIBA is being used.</td>
<td>Use a TOSHIBA-recommended toner cartridge. If you want to use a toner cartridge other than the one we recommend and you feel annoyed by this message, contact your service representative. P.12 “Recommended toner cartridges”</td>
</tr>
<tr>
<td>Toner empty</td>
<td>The toner in the toner cartridge has run out.</td>
<td>Replace the toner cartridge with a new one.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>P.187 “Replacing Toner Cartridge”</td>
</tr>
<tr>
<td>Invalid Dept.Code</td>
<td>The department code entered in the department code entering screen is not correct.</td>
<td>Enter the correct department code. If you do not know the department code, contact your administrator.</td>
</tr>
<tr>
<td>Memory is full</td>
<td>The built-in memory of the equipment has become full.</td>
<td>Select “Print” on the LCD screen to copy the data scanned so far. Select “Cancel job” to delete all the data scanned so far.</td>
</tr>
<tr>
<td>Clear paper output tray: PRESS START KEY.</td>
<td>Approx. 250 sheets of paper have continuously exited and the equipment stops copying to prevent the copied paper from overflowing from the tray.</td>
<td>Remove the paper from the receiving tray, and then press the [START] button. Copying resumes. Press the [CLEAR/STOP] button to end the copy job. “Memory clear?” appears on the LCD screen. Select “YES”, and then press the [START] or [ENTER] button.</td>
</tr>
</tbody>
</table>
Paper Jams

Checking position of paper jams

When a jam of copying paper or original occurs in the equipment, the copying operation stops and the following message appears on the display to indicate the positions where the paper is jammed.

Check the message, remove any paper jam, and then press the [START] button to resume copying.

Tip

When a jam of copying paper or original occurs in the equipment, the procedure to remove the jammed paper appears on the display. Press the ▲ and ▼ buttons to scroll up and down the procedure.

<table>
<thead>
<tr>
<th>Message</th>
<th>Position of Paper Jam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Misfeed in doc.feeder</td>
<td>Inside of the optional Reversing Automatic Document Feeder / Automatic Document Feeder (P.176)</td>
</tr>
<tr>
<td>Misfeed in bypass</td>
<td>Bypass tray (P.179)</td>
</tr>
<tr>
<td>Misfeed in duplexer</td>
<td>Inside of the optional Automatic Duplexing Unit (P.180)</td>
</tr>
<tr>
<td>Misfeed in copier</td>
<td>Inside of the transfer unit (P.181)</td>
</tr>
<tr>
<td></td>
<td>Inside of the fuser unit (P.183)</td>
</tr>
<tr>
<td></td>
<td>Drawer of the optional Paper Feed Unit (P.185)</td>
</tr>
<tr>
<td></td>
<td>Drawer of the optional Paper Feed Pedestal (P.186)</td>
</tr>
</tbody>
</table>
When paper jams occur frequently

When paper jams occur frequently, they may be due to one of the causes listed below. Check the following items when they occur frequently:

- Originals which are not acceptable for the Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional) are placed.
  - P.53 “Precautions for Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional)"
- Paper which is not acceptable for the equipment is used.
  - P.36 “Paper types not acceptable”
- The sizes of paper placed in the drawer or on the bypass tray are not registered into the equipment properly.
  - P.45 “Preparation 3 - Registering Size of Paper Placed”
  - P.60 “Preparation - Registering paper size placed on bypass tray”
- More jammed paper is still remaining after the release of a paper jam.
- There is no gap between the side guides and the paper in the drawer, or the gap is too wide.
- The stack height of the paper is exceeding the indicators in the drawer.

When releasing jammed paper

Observe the following precautions when you release jammed paper:

**Do not tear jammed paper.**

Pull out jammed paper carefully with both hands, trying not to tear it. If you release it forcibly, the jammed paper will be torn and it will make the release difficult. If it is torn, be sure that the torn part is not left inside the equipment.

**Do not touch the fuser unit or the metal part around the unit.**

When you release paper jammed within the fuser unit, do not touch the fuser unit or the metal part around the unit. This could cause burns, or injury to your hands if you touch the inside of the equipment.

**Do not touch the photoconductive drum.**

When you release the paper jammed within the transfer unit or the fuser unit, be careful not to touch the photoconductive drum. This could stain the copy images.
Paper jams within Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional)

1 Raise the lever, and then open the upper cover.

2 Release the jammed original.

3 Turn the dial to release the jammed original.
4 Open the transport guide.

5 Raise the guide plate under the transport guide, and then release the original jammed under the guide plate.

6 Close the transport guide, and then close the upper cover.

When the Automatic Document Feeder is used, the releasing procedure ends here. When the Reversing Automatic Document Feeder is used, go on to the following procedure.

7 Open the Reversing Automatic Document Feeder.
8 Open the reverse cover, and then remove the original.

9 Close the Reversing Automatic Document Feeder slowly.

10 Raise the lever, and then open the upper cover.
11 Raise the original feeding tray, and then remove the original under the tray.

12 Lower the original feeding tray.

13 Close the upper cover.

Paper jams on bypass tray

1 Pull out the paper jammed on the bypass tray.
Paper jams within Automatic Duplexing Unit (optional)

**Caution**

Be careful not to let your fingers be caught between the equipment and the side cover. This could injure you.

1. Open the side cover.

2. Release the jammed paper.

3. Close the side cover.
Paper jam behind transfer unit

**Caution**
Be careful not to let your fingers be caught between the equipment and the side cover. This could injure you.

1. Open the side cover.

2. Pull the transfer unit toward you carefully to lay it down while holding up the green lever.
3 Release the jammed paper.

**Caution**
Be sure not to touch the photoconductive drum when releasing the jammed paper.

4 Open the transport guide of the paper feeding area and check if any paper is jammed under this guide. Clear the paper if there is any.

5 Close the transfer unit and the side cover.
Paper jams within fuser unit

**Caution**

- Be careful not to let your fingers be caught between the equipment and the side cover. This could injure you.
- **Do not touch the fuser unit or the metal part around the unit.** This could cause burns, or injury to your hands if you touch the inside of the equipment.

1 Open the side cover, and then lay down the transfer unit. Then press down the two fuser pressure release levers (green) until they come to a stop.

**Note**

Press down the levers fully until they stop.

2 Open the transport guide while holding the knob (A).
3 **Release the jammed paper.**
Pull the jammed paper up or down as shown below depending on the position of the paper.

**Caution**

Be sure not to touch the photoconductive drum when releasing the jammed paper.

Pulling it up

Pulling it down

4 **Return the transport guide to its original position, and then close the transfer unit and the side cover.**
Paper jams within Paper Feed Unit (optional)

1 Open the paper feed cover of the unit.

2 Release the jammed paper.

3 Close the paper feed cover of the unit.
Paper jams within Paper Feed Pedestal (optional)

1. Open the paper feed cover of the Paper Feed Pedestal.

2. Remove the jammed paper.

3. Close the paper feed cover of the Paper Feed Pedestal.
Replacing Toner Cartridge

When the toner cartridge runs out of toner, the following message appears on the display.

Then, replace the cartridge with a new one.

**Tip**

When the toner cartridge runs out of toner, the procedure to replace the toner cartridge appears on the display. Press the \( \) and \( \) buttons to scroll up and down the procedure.

**Caution**

*Never attempt to incinerate toner cartridges.*

**Notes**

- Before inserting a new toner cartridge, check the product name of the cartridge. If you can see “T-1640”, this cartridge is usable.
- Dispose of used toner cartridges in accordance with local regulations.
- Do not touch the parts on the circuit board mounted on the toner cartridge because they may be damaged.
Recommended toner cartridges

To assure an optimal printing performance, we recommend that you use TOSHIBA toner cartridges.

If you use a TOSHIBA-recommended toner cartridge, you can utilize the following two check functions of this equipment:

**Cartridge detecting function:** This function checks if the toner cartridge is correctly installed and notifies you if it is not.

**Toner-remaining check function:** This function notifies you when there is little toner remaining in the cartridge, as well as notifying it to your service representative automatically by the remote service.

Any copying or printing operation is available even if you are using a toner cartridge other than the one we recommend. In that case, however, the equipment cannot detect whether the toner cartridge is installed or not and therefore an error message "Toner not recognized" appears on the LCD screen, even if the toner cartridge is correctly installed. You cannot utilize the toner remaining check function and the remote service function notifying your service representative automatically either.

If you are using a toner cartridge other than the one we recommend and you feel annoyed by this message, contact your service representative. Your service technician will cancel the cartridge detecting function set by default. Remember once this function has been canceled, you will not be able to utilize the two functions mentioned above even if you change the cartridge to the one we recommend.
1 Open the front cover.

2 Hold down the green lever.

3 Pull out the toner cartridge.

Caution

Never attempt to incinerate toner cartridges.

Note

Dispose of used toner cartridges in accordance with local regulations.
4 Shake the new toner cartridge well to loosen the toner inside.

5 Pull out the seal in the direction of the arrow.

6 Insert the toner cartridge along the rail.

Notes
- Before inserting the toner cartridge, check if the green lever is raised and raise it if not.
- Insert the toner cartridge until you hear a click sound.
7 **Clean the charger.**
Hold the cleaning knob of the charger and pull it out toward you carefully until it comes to a stop. Then reinsert it in its original position carefully. Repeat this procedure two or three times.

![Image of cleaning knob](image)

**Note**
Check if the cleaning knob is fully inserted after cleaning.

8 **Open the side cover.**

![Image of side cover](image)

9 **Pull the transfer unit toward you carefully to lay it down while holding up the green lever.**

![Image of transfer unit](image)
10 Remove the transfer charger cleaner from the front pocket of the transfer unit.

11 Wipe the transfer charger wire with the transfer charger cleaner.
   (1) Insert the transfer charger cleaner into the front end of the transfer charger.
   (2) Push the cleaner onto the front wall, and then check if the cleaner pad has contacted with the transfer charger wire.
   (3) Clean the wire from its front end to the other end in two reciprocating motions.
   (4) Remove the cleaner from the front end of the transfer charger after cleaning.

12 Return the transfer charger cleaner into the cleaner pocket, and then close the transfer unit.

13 Close the side cover.
14 Close the front cover.
The equipment starts supplying toner.
When you encounter trouble using this equipment, check the items listed below.

### General operation

<table>
<thead>
<tr>
<th>Phenomenon</th>
<th>Usual cause</th>
<th>Countermeasure</th>
</tr>
</thead>
<tbody>
<tr>
<td>The equipment does not operate at all.</td>
<td>The power cable is not plugged in securely.</td>
<td>Plug in the power cable securely.</td>
</tr>
<tr>
<td></td>
<td>The weekly timer functions and the equipment is in the sleep mode.</td>
<td>Press any button on the control panel.</td>
</tr>
<tr>
<td>The equipment does not operate even when you press any of the buttons.</td>
<td>A message appears on the screen.</td>
<td>Check the message and take any countermeasure accordingly. P.172 “When This Message Appears”</td>
</tr>
<tr>
<td></td>
<td>The equipment is in the energy saving mode.</td>
<td>Press the [ENERGY SAVER] button to cancel this mode. P.34 “Saving energy when not in use - Energy saving mode -”</td>
</tr>
<tr>
<td></td>
<td>When the use of the equipment is managed under department management, and the department code has not been entered.</td>
<td>Enter your department code. P.33 “Preparation 1 - Turning Power ON” P.143 “Department Code”</td>
</tr>
<tr>
<td>It has been a short time since the power was turned ON.</td>
<td></td>
<td>Wait for the completion of warm-up and then try again.</td>
</tr>
<tr>
<td>Scanning stops before it is finished. (&quot;Count over&quot; appears on the display.)</td>
<td>The number of pages scanned has exceeded the maximum value.</td>
<td>Select &quot;Print&quot; on the LCD screen to copy the data scanned so far. Select &quot;Cancel job&quot; to delete all the data scanned so far.</td>
</tr>
<tr>
<td>Scanning stops before it is finished. (&quot;Memory is full&quot; appears on the display.)</td>
<td>The built-in memory of the equipment has become full.</td>
<td>Select &quot;Print&quot; on the LCD screen to copy the data scanned so far. Select &quot;Cancel job&quot; to delete all the data scanned so far.</td>
</tr>
<tr>
<td>Copying stops before it is finished. (&quot;Clear paper output tray: PRESS START KEY.&quot; appears on the display.)</td>
<td>Approx. 250 sheets of paper have continuously exited and the equipment stops copying to prevent the copied paper from overflowing from the tray.</td>
<td>Remove the paper from the receiving tray, and then press the [START] button. Copying resumes. Press the [CLEAR/STOP] button to end the copy job. “Memory clear?” appears on the LCD screen. Select “YES”, and then press the [START] or [ENTER] button.</td>
</tr>
<tr>
<td>“Saving energy” appears on the display.</td>
<td>The equipment is in the low power mode.</td>
<td>The equipment automatically enters into this mode when a specified period of time has passed since its last use. Copying is enabled.</td>
</tr>
<tr>
<td>“Sleep mode” appears on the display.</td>
<td>The equipment is in the sleep mode.</td>
<td>The equipment automatically enters into this mode when a specified period of time has passed since its last use. Warm-up starts either when print data are received or when any button on the control panel is pressed. Copying is enabled when the warm-up has finished.</td>
</tr>
<tr>
<td>Copy functions cannot be set.</td>
<td>Other functions that cannot be set simultaneously with copy functions have been set.</td>
<td>Some functions cannot be combined set together. P.211 “Copying Function Combination Matrix”</td>
</tr>
</tbody>
</table>
### Phenomenon | Usual cause | Countermeasure
---|---|---
The department management menu does not appear even though “DEPARTMENT CODE” is selected. | Any department code other than the master code has been entered in the department code entry screen. | If you want to make settings for the department management when it has been already enabled, enter the master code in the department code entry screen, otherwise the department management menu cannot be displayed. \[P.143 “Department Code”\] Even when the equipment is connected with a PC by a USB cable, the equipment is not recognized. | This cable is not certified according to the USB2.0 Hi-Speed. | Use a USB2.0 Hi-Speed certified cable. The equipment is connected with a PC via a USB hub. | When the equipment is connected with a PC via a USB hub, the equipment may not be recognized. Connect it with a PC directly by a USB cable.

### Toner-related items

| Phenomenon | Usual cause | Countermeasure
---|---|---
“Toner is low” appears on the display. | There is only a little toners remaining in the toner cartridge. | There is still some toner in the toner cartridge. Do not replace the toner cartridge until “Toner empty” appears.

“Toner empty” appears on the display. | The toner in the toner cartridge has run out. | Replace the toner cartridge with a new one.

“Toner not recognized” appears on the display. | The toner cartridge is not installed. Or it is not installed correctly. | Install the toner cartridge correctly.

A toner cartridge not recommended by TOSHIBA is being used. | Use a TOSHIBA-recommended toner cartridge. If you use a toner cartridge other than the one we recommend and you feel annoyed by this message, contact your service representative. \[P.12 “Recommended toner cartridges”\]

“Toner is low” does not appear on the display, although toner is nearly empty. | The toner-remaining check function has been disabled since the purchase of the equipment. | Contact your service representative.

The equipment does not become ready for copying after the toner cartridge is inserted. | The toner cartridge inserted is not usable for this equipment. | Check the product name of the toner cartridge. If you can see “T-1640”, this cartridge is usable.
## Original/Copy paper-related items

<table>
<thead>
<tr>
<th>Phenomenon</th>
<th>Usual cause</th>
<th>Countermeasure</th>
</tr>
</thead>
</table>
| An original jams.                | An original not acceptable for the equipment is being used. | Check if the original is acceptable for the equipment.  
  P.53 “Precautions for Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional)” |
| Copy paper jams.                 | Copy paper not acceptable for the equipment is being used. | Check if the copy paper is acceptable for the equipment.  
  P.36 “Paper types not acceptable” |
|                                  | The size of the copy paper in the drawer or on the bypass tray is not registered properly in the equipment. | Register the size of the placed copy paper properly.  
  P.45 “Preparation 3 - Registering Size of Paper Placed”  
  P.60 “Preparation - Registering paper size placed on bypass tray” |
| Jammed paper is located in a place you cannot see easily. | | See the message on the display to recheck the position where the paper jam has occurred.  
  P.174 “Paper Jams” |
| There is no gap between the side guides and paper in the drawer. Or the gap is too wide. | | Adjust the gap between the side guides and the paper properly.  
  P.37 “Placing paper in drawers” |
| Multiple feeding occurs.         | Paper is clinging to each other.                 | Fan the paper well and place it again. |

The table above provides a list of phenomena related to original and copy paper jams, along with their usual causes and countermeasures. Each entry in the table is structured to help users identify and resolve issues with paper feeding and jams in their equipment.
### Image trouble

<table>
<thead>
<tr>
<th>Phenomenon</th>
<th>Usual cause</th>
<th>Countermeasure</th>
</tr>
</thead>
<tbody>
<tr>
<td>The density of the copy image is light.</td>
<td>Toner has run out.</td>
<td>“Toner empty” appears on the display when toner has run out. Replace the toner cartridge if the message appears. P.187 “Replacing Toner Cartridge”</td>
</tr>
<tr>
<td>The copy density is set lighter.</td>
<td>Make the density darker if you use the manual copy density mode. Or use the automatic copy density mode.</td>
<td></td>
</tr>
<tr>
<td>The transfer charger wire is dirty.</td>
<td>Clean the transfer charger wire.</td>
<td>P.202 “Cleaning transfer charger”</td>
</tr>
<tr>
<td>The density of the copy image is dark.</td>
<td>The copy density is set darker.</td>
<td>Make the density lighter if you use the manual copy density mode. Or use the automatic copy density mode.</td>
</tr>
<tr>
<td>The copied image is stained.</td>
<td>The Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional) or the Platen Cover (optional) is not lowered fully.</td>
<td>Lower them fully to block outside light.</td>
</tr>
<tr>
<td></td>
<td>The original glass, platen sheet, scanning area or guides are dirty.</td>
<td>Clean them.</td>
</tr>
<tr>
<td></td>
<td>The copy density is set darker.</td>
<td>Make the density lighter if you use the manual copy density mode. Or use the automatic copy density mode.</td>
</tr>
<tr>
<td></td>
<td>A highly transparent original is used.</td>
<td>Place a blank sheet of paper, the same size as the original or larger, over the original.</td>
</tr>
<tr>
<td></td>
<td>There is a slight gap between the original glass and the original.</td>
<td>Lower the Platen Cover (optional) or the Reversing Automatic Document Feeder (optional) / Automatic Document Feeder (optional) fully so that the original will contact with the original glass.</td>
</tr>
<tr>
<td></td>
<td>The copy paper is damp.</td>
<td>Replace with dry copy paper.</td>
</tr>
<tr>
<td></td>
<td>The density level of the copy image is uneven in a horizontal direction.</td>
<td>Clean the transfer charger wire.</td>
</tr>
<tr>
<td></td>
<td>The transfer charger wire is dirty.</td>
<td>P.202 “Cleaning transfer charger”</td>
</tr>
<tr>
<td>Phenomenon</td>
<td>Usual cause</td>
<td>Countermeasure</td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>The copy image is partially missing.</td>
<td>The size or direction of the copy paper and the original, or the reproduction ratio is not set properly.</td>
<td>Use copy paper of the same size as the original or set the reproduction ratio suitable to the copy paper size.</td>
</tr>
<tr>
<td></td>
<td>The margin for binding is too wide.</td>
<td>Adjust the image shift value again. P.89 “Shifting Paper to Make Margin - IMAGE SHIFT -”.</td>
</tr>
<tr>
<td>The copy image has black streaks in a horizontal direction.</td>
<td>The scanning area or guides are stained.</td>
<td>Clean them. P.200 “Daily Inspection”</td>
</tr>
<tr>
<td></td>
<td>The charger is dirty.</td>
<td>Clean the charger. P.201 “Cleaning charger”</td>
</tr>
<tr>
<td>The copy image has white streaks in a horizontal direction.</td>
<td>The transfer charger wire is dirty.</td>
<td>Clean the transfer charger wire. P.202 “Cleaning transfer charger”</td>
</tr>
</tbody>
</table>
This chapter describes how to clean this equipment to ensure you get the best possible copy performance.

Daily Inspection .................................................................200
  Cleaning charger...............................................................201
  Cleaning transfer charger................................................202
Daily Inspection

We recommend a weekly cleaning of the following items to assure you the best scanning performance:

**Notes**

- Be sure not to scratch the parts to be cleaned.
- Do not use solvent such as thinner or benzene to clean machinery. This could cause deformation or tarnishing.
- When using chemical cleaning pads, observe the precautions pertaining to the product.

1. **Scanning area**
   Wipe with a sheet of soft dry cloth or soft cloth dampened in water and squeezed tightly. Do not use alcohol or solvent.

2. **Original glass**

3. **Guides**

4. **Platen sheet**
   Clean in the following procedure according to the level of staining:
   - Wipe with a soft dry cloth.
   - Wipe with a soft cloth dampened in water and squeezed tightly.
   - Wipe with a soft cloth dampened in alcohol and squeezed tightly, and then wipe with a soft dry cloth.
   - Wipe with a soft cloth dampened in diluted mild detergent and squeezed tightly. Then wipe with a soft cloth dampened in water and squeezed tightly. Then wipe with a soft dry cloth.
Cleaning charger

If the inside of the charger is dirty, staining may appear on the copied image. Clean the charger following the procedure below.

1. **Open the front cover.**

![Image of front cover](image)

2. **Clean the charger.**

   Hold the cleaning knob of the charger and pull it out toward you carefully until it comes to a stop. Then reinsert it in its original position carefully. Repeat this procedure two or three times.

   ![Image of cleaning process](image)

   **Note**

   Check if the cleaning knob is fully inserted after cleaning.

3. **Close the front cover.**
Cleaning transfer charger

When the transfer charger wire is dirty, white steaks or unevenness of the density may appear on copied images, or the density of the whole image may be lowered. Clean the transfer charger wire following the procedure below.

**Caution**

Be careful not to let your fingers be caught between the equipment and the side cover. This could injure you.

1. **Open the side cover.**

![Image of side cover open]

2. **Pull the transfer unit toward you carefully to lay it down while holding up the green lever.**

![Image of transfer unit being pulled]

Daily Inspection
3 Remove the transfer charger cleaner from the front pocket of the transfer unit.

4 Wipe the transfer charger wire with the transfer charger cleaner.
   (1) Insert the transfer charger cleaner into the front end of the transfer charger.
   (2) Push the cleaner onto the front wall, and then check if the cleaner pad has contacted with the transfer charger wire.
   (3) Clean the wire from its front end to the other end in two reciprocating motions.
   (4) Remove the cleaner from the front end of the transfer charger after cleaning.

5 Return the transfer charger cleaner into the cleaner pocket, and then close the transfer unit.

6 Close the side cover.
Daily Inspection
### SPECIFICATIONS AND OPTIONS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>e-STUDIO165/205 Specifications</strong></td>
<td>206</td>
</tr>
<tr>
<td>Continuous copying speed</td>
<td>207</td>
</tr>
<tr>
<td><strong>Specifications of Options</strong></td>
<td>208</td>
</tr>
<tr>
<td><strong>Packing List</strong></td>
<td>210</td>
</tr>
<tr>
<td><strong>Copying Function Combination Matrix</strong></td>
<td>211</td>
</tr>
<tr>
<td>Combination Matrix 1/2</td>
<td>211</td>
</tr>
<tr>
<td>Combination Matrix 2/2</td>
<td>212</td>
</tr>
<tr>
<td><strong>List Print Format</strong></td>
<td>213</td>
</tr>
<tr>
<td>Department code list</td>
<td>213</td>
</tr>
<tr>
<td>Mailbox list</td>
<td>216</td>
</tr>
<tr>
<td>Menu list</td>
<td>219</td>
</tr>
<tr>
<td>Function list</td>
<td>214</td>
</tr>
<tr>
<td>Supply notice list</td>
<td>215</td>
</tr>
</tbody>
</table>
# e-STUDIO165/205 Specifications

<table>
<thead>
<tr>
<th>Model name</th>
<th>DP-1650/2040</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Desktop type</td>
</tr>
<tr>
<td>Original glass</td>
<td>Fixed</td>
</tr>
<tr>
<td>Printing (copying) system</td>
<td>Indirect electrophotographic method</td>
</tr>
<tr>
<td>Developing system</td>
<td>2-component magnetic brush developing</td>
</tr>
<tr>
<td>Fusing method</td>
<td>2 halogen lamps</td>
</tr>
<tr>
<td>Photosensor type</td>
<td>OPC</td>
</tr>
<tr>
<td>Original scanning system</td>
<td>Flat surface scanning system (When the Reversing Automatic Document Feeder / Automatic Document Feeder is installed: Fixed scanning system by feeding the original)</td>
</tr>
<tr>
<td>Original scanning sensor</td>
<td>Linear CIS sensor</td>
</tr>
<tr>
<td>Scanning light source</td>
<td>LED</td>
</tr>
<tr>
<td>Resolution</td>
<td>Scanning 600 dpi x 600 dpi</td>
</tr>
<tr>
<td>Acceptable originals</td>
<td>Sheets, books and 3-dimensional objects</td>
</tr>
<tr>
<td>Acceptable copy paper weight</td>
<td>Drawer: 17 - 20 lb. Bond</td>
</tr>
<tr>
<td>Acceptable copy paper weight</td>
<td>Bypass: 17 - 20 lb. Bond (for continuous feed)</td>
</tr>
<tr>
<td>Warm-up time</td>
<td>Approx. 25 seconds</td>
</tr>
<tr>
<td>First copy time (LT portrait)</td>
<td>Approx. 7.7 seconds</td>
</tr>
<tr>
<td>Continuous copying speed</td>
<td>See P.207 “Continuous copying speed”</td>
</tr>
<tr>
<td>Multiple copying</td>
<td>Up to 999 copies (digital key entry)</td>
</tr>
<tr>
<td>Included image width</td>
<td>Copy: Leading edge: 0.12”±0.08”, Trailing edge: 0.12”±0.08”, Both edges: 0.08”±0.08”</td>
</tr>
<tr>
<td>Included image width</td>
<td>Printer: Leading edge: 0.20”±0.08”, Trailing edge: 0.20”±0.08”, Both edges: 0.20”±0.08”</td>
</tr>
<tr>
<td>Reproduction ratio</td>
<td>Actual size: 100±0.5%</td>
</tr>
<tr>
<td>Reproduction ratio</td>
<td>Zoom: 25 - 200% (in 1% increments)</td>
</tr>
<tr>
<td>Storage capacity</td>
<td>Max. 250 sheets or until the memory is full (TOSHIBA’s own chart)</td>
</tr>
<tr>
<td>Paper supply</td>
<td>Drawer: 250 sheets (20 lb. Bond)</td>
</tr>
<tr>
<td>Paper supply</td>
<td>Bypass: 100 sheets (20 lb. Bond)</td>
</tr>
<tr>
<td>Loading capacity for the receiving tray</td>
<td>Approx. 250 sheets (17 lb. Bond)</td>
</tr>
<tr>
<td>Toner density adjustment</td>
<td>Magnetic auto-toner system</td>
</tr>
<tr>
<td>Exposure control</td>
<td>Automatic plus manual selection from 7 exposure steps</td>
</tr>
<tr>
<td>USB interface</td>
<td>USB2.0 (Hi-Speed)</td>
</tr>
<tr>
<td>Environment (for normal use)</td>
<td>Temperature: 10 ° - 30 °C (50 ° - 86 °F), Humidity: 20 - 85% (No condensation)</td>
</tr>
<tr>
<td>Power requirements</td>
<td>115 V±10%, 12 A (50/60 Hz)</td>
</tr>
<tr>
<td>Dimensions (equipment only)</td>
<td>23.62” (W) x 25.93” (D) x 18.21” (H)</td>
</tr>
<tr>
<td>Power consumption</td>
<td>1.5 kW or less (including pieces of optional equipment)</td>
</tr>
<tr>
<td>Weight</td>
<td>Approx. 71.7 lb. (equipment including drum)</td>
</tr>
<tr>
<td>Space occupied (equipment only)</td>
<td>37.32” (W) x 25.93” (D)</td>
</tr>
</tbody>
</table>

- These specifications vary depending on the copying conditions and the environment.
- Specifications and appearance are subject to change without notice in the interest of product improvement.
Continuous copying speed

<table>
<thead>
<tr>
<th>Paper size</th>
<th>Feeder</th>
<th>e-STUDIO165</th>
<th>e-STUDIO205</th>
</tr>
</thead>
<tbody>
<tr>
<td>LT, ST-R<em>1, A4, A5-R</em>1, B5</td>
<td>Drawer</td>
<td>16</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>Bypass tray</td>
<td>16</td>
<td>20</td>
</tr>
<tr>
<td>LT-R, A4-R, B5-R</td>
<td>Drawer</td>
<td>15.5</td>
<td>15.5</td>
</tr>
<tr>
<td></td>
<td>Bypass tray</td>
<td>15.5</td>
<td>15.5</td>
</tr>
<tr>
<td>LG, COMP, 13&quot;LG, B4, FOLIO</td>
<td>Drawer</td>
<td>13</td>
<td>13</td>
</tr>
<tr>
<td></td>
<td>Bypass tray</td>
<td>13</td>
<td>13</td>
</tr>
<tr>
<td>LD, A3</td>
<td>Drawer</td>
<td>11</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td>Bypass tray</td>
<td>11</td>
<td>11</td>
</tr>
</tbody>
</table>

*1 ST-R and A5-R can be placed only on the bypass tray.

- The values above are measured when originals are set on the original glass, 100% and non-sort multiple copies are made.
- TOSHIBA-recommended paper is used for the values of the specifications above.
- The bypass copying speed is as listed above when specifying the paper size.
- This specification varies depending on the copying conditions and the environment.
## Specifications of Options

### Reversing Automatic Document Feeder

<table>
<thead>
<tr>
<th>Model name</th>
<th>MR-3019</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copy sides</td>
<td>1-side, Duplex</td>
</tr>
<tr>
<td>Number of originals (LT)</td>
<td>100 originals (13.3 - 20 lb. Bond) or 0.63&quot; or less in height (more than 20 lb. Bond)</td>
</tr>
<tr>
<td>Feeding speed</td>
<td>1.79&quot; - 7.17&quot;</td>
</tr>
<tr>
<td>Acceptable originals</td>
<td>LD, LG, LT, LT-R, ST-R, COMP, A3, A4, A4-R, A5-R, B4, B5, B5-R, FOLIO (ST and A5 size are not acceptable.)</td>
</tr>
<tr>
<td>Paper weight</td>
<td>1-sided original: 13.3 - 33.8 lb., 2-sided original: 13.3 - 33.8 lb.</td>
</tr>
<tr>
<td>Power source</td>
<td>Power supplied from the equipment</td>
</tr>
<tr>
<td>Dimensions</td>
<td>23.6&quot; (W) x 20.2&quot; (D) x 5.3&quot; (H)</td>
</tr>
<tr>
<td>Weight</td>
<td>Approx. 25.4 lb.</td>
</tr>
<tr>
<td>Power consumption</td>
<td>33 W max.</td>
</tr>
</tbody>
</table>

### Automatic Document Feeder

<table>
<thead>
<tr>
<th>Model name</th>
<th>MR-2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copy sides</td>
<td>1-side</td>
</tr>
<tr>
<td>Number of originals (LT)</td>
<td>100 originals (13.3 - 20 lb. Bond) or 0.63&quot; or less in height (more than 20 lb. Bond)</td>
</tr>
<tr>
<td>Feeding speed</td>
<td>1.79&quot; - 7.17&quot;</td>
</tr>
<tr>
<td>Acceptable originals</td>
<td>LD, LG, LT, LT-R, ST-R, COMP, A3, A4, A4-R, A5-R, B4, B5, B5-R, FOLIO (ST and A5 size are not acceptable.)</td>
</tr>
<tr>
<td>Paper weight</td>
<td>13.3 - 33.8 lb.</td>
</tr>
<tr>
<td>Power source</td>
<td>Power supplied from the equipment</td>
</tr>
<tr>
<td>Dimensions</td>
<td>23.6&quot; (W) x 20.2&quot; (D) x 5.3&quot; (H)</td>
</tr>
<tr>
<td>Weight</td>
<td>Approx. 24.3 lb.</td>
</tr>
<tr>
<td>Power consumption</td>
<td>30 W max.</td>
</tr>
</tbody>
</table>

### Automatic Duplexing Unit

<table>
<thead>
<tr>
<th>Model Name</th>
<th>MD-0103</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Source</td>
<td>17 - 20 lb. Bond</td>
</tr>
<tr>
<td>Weight</td>
<td>Approx. 2.6 lb.</td>
</tr>
</tbody>
</table>

### Paper Feed Unit

<table>
<thead>
<tr>
<th>Model name</th>
<th>MY-1027</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acceptable paper size</td>
<td>LD, LG, LT, LT-R, COMP, 13&quot;LG, A3, A4, A4-R, B4, B5, B5-R, FOLIO (Non-standard sizes are not acceptable.)</td>
</tr>
<tr>
<td>Paper weight</td>
<td>17 - 20 lb. Bond</td>
</tr>
<tr>
<td>Maximum capacity</td>
<td>250 sheets (20 lb.)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>20.9&quot; (W) x 22.7&quot; (D) x 4.9&quot; (H)</td>
</tr>
<tr>
<td>Weight</td>
<td>Approx. 11.0 lb.</td>
</tr>
</tbody>
</table>
Paper Feed Pedestal

<table>
<thead>
<tr>
<th>Model name</th>
<th>KD-1013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper weight</td>
<td>17 - 20 lb. Bond</td>
</tr>
<tr>
<td>Maximum capacity</td>
<td>550 sheets (20 lb.)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>24.5” (W) x 25.9” (D) x 14.4” (H)</td>
</tr>
<tr>
<td>Weight</td>
<td>Approx. 57.3 lb.</td>
</tr>
</tbody>
</table>

Drawer Module

<table>
<thead>
<tr>
<th>Model name</th>
<th>MY-1028</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper weight</td>
<td>17 - 20 lb. Bond</td>
</tr>
<tr>
<td>Maximum capacity</td>
<td>550 sheets (20 lb.)</td>
</tr>
<tr>
<td>Weight</td>
<td>Approx. 8.8 lb.</td>
</tr>
</tbody>
</table>

TOSHIBA-recommended paper is used for the values above. Specifications and appearance are subject to change without notice in the interest of product improvement.
## Packing List

<table>
<thead>
<tr>
<th>Packing list</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power cable</td>
<td></td>
</tr>
<tr>
<td>Photoconductive drum</td>
<td></td>
</tr>
<tr>
<td>Operator’s Manual pocket</td>
<td></td>
</tr>
<tr>
<td>Set-up report</td>
<td></td>
</tr>
<tr>
<td>Warranty sheet</td>
<td></td>
</tr>
<tr>
<td>CD-ROM (2 pcs.)</td>
<td></td>
</tr>
<tr>
<td>Mixed original sizes</td>
<td>Non-sort</td>
</tr>
<tr>
<td>----------------------</td>
<td>----------</td>
</tr>
<tr>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Finishing</th>
<th>1&gt;1 Simplex</th>
<th>1&gt;2 Duplex</th>
<th>2&gt;2 Duplex</th>
<th>2&gt;1 Split</th>
<th>Book &gt; 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-sort</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Sort</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Alternation</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Magazine sort</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*1 Even when Non-sort has been set, Sort is automatically set.

*2 The function set later will be valid, and the reproduction ratio will be set to 100% automatically.

*3 The function set later will be valid, and the automatic magnification selection (AMS) will be enabled.
<table>
<thead>
<tr>
<th>Combination Matrix 2/2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Job build</strong></td>
</tr>
<tr>
<td><strong>Mixed original sizes</strong></td>
</tr>
<tr>
<td><strong>Finishing</strong></td>
</tr>
<tr>
<td><strong>Image shift</strong></td>
</tr>
<tr>
<td><strong>Edge erase</strong></td>
</tr>
<tr>
<td><strong>Paper type</strong></td>
</tr>
<tr>
<td><strong>1:1 Simplex</strong></td>
</tr>
<tr>
<td><strong>1:2 Duplex</strong></td>
</tr>
<tr>
<td><strong>2:1 Split</strong></td>
</tr>
<tr>
<td><strong>Book &gt; 2</strong></td>
</tr>
<tr>
<td><strong>ID card</strong></td>
</tr>
<tr>
<td><strong>2in1/4in1</strong></td>
</tr>
<tr>
<td><strong>XY zoom</strong></td>
</tr>
<tr>
<td><strong>Job memory</strong></td>
</tr>
</tbody>
</table>

*1 Even when Non-sort has been set, Sort is automatically set.
*2 The function set later will be valid, and the reproduction ratio will be set to 100% automatically.
*3 The function set later will be valid, and the automatic magnification selection (AMS) will be enabled.
## List Print Format

### Department code list

<table>
<thead>
<tr>
<th>DEPT NBR</th>
<th>NAME</th>
<th>DEPT CODE</th>
<th>COPY PGS</th>
<th>TX PGS</th>
<th>RX PGS</th>
<th>Print PGS</th>
</tr>
</thead>
<tbody>
<tr>
<td>D 01</td>
<td>XXXXXXXXXX</td>
<td>XXXXX</td>
<td>XX</td>
<td>XX</td>
<td>XX</td>
<td>XX</td>
</tr>
<tr>
<td>D 02</td>
<td>XXXXXXXXXX</td>
<td>XXXXX</td>
<td>XX</td>
<td>XX</td>
<td>XX</td>
<td>XX</td>
</tr>
<tr>
<td>D 03</td>
<td>XXXXXXXXXX</td>
<td>XXXXX</td>
<td>XX</td>
<td>XX</td>
<td>XX</td>
<td>XX</td>
</tr>
<tr>
<td>D 99</td>
<td>XXXXXXXXXX</td>
<td>XXXXX</td>
<td>XX</td>
<td>XX</td>
<td>XX</td>
<td>XX</td>
</tr>
</tbody>
</table>
## Function list

<table>
<thead>
<tr>
<th>Function</th>
<th>Setting 1</th>
<th>Setting 2</th>
<th>Setting 3</th>
<th>Setting 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVAILABLE MEMORY</td>
<td>112MB</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GENERAL SETTING</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DRAWER SIZE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DRAWER 1 BYPASS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WALKUP SCREEN</td>
<td>COPY</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TIMERS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AUTO CLEAR</td>
<td>45SEC</td>
<td>15MIN</td>
<td>1MIN</td>
<td></td>
</tr>
<tr>
<td>AUTO POWER SAVE</td>
<td></td>
<td>15MIN</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AUTO SLEEP</td>
<td>15MIN</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WEEKLY TIMER</td>
<td>OFF</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPEAKER VOLUME</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ALARM VOLUME</td>
<td>0</td>
<td>1</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>KEY TOUCH VOLUME</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RINGER VOLUME</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MONITOR VOLUME</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COPY SETUP</td>
<td></td>
<td>FINISHING</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MENU CUSTOMIZE</td>
<td></td>
<td>APS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>APS/AMS</td>
<td></td>
<td>TEXT/PHOTO</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IMAGE MODE</td>
<td>LIGHT/DARK</td>
<td>AUTO</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FINISHING</td>
<td>NON SORT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FAX SETUP</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LINE MONITOR</td>
<td>OFF</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECM</td>
<td>ON</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DOCUMENT MODE</td>
<td>STD</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DOCUMENT TX</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LIGHT/DARK</td>
<td>AUTO</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>STANDARD</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DIAL TYPE</td>
<td>MF</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACCESS DIGIT</td>
<td></td>
<td>3MIN</td>
<td></td>
<td></td>
</tr>
<tr>
<td>REDIAL MODE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INTERVAL</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COUNTER</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RECEIVING MODE</td>
<td>AUTO</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TIMER</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEMORY TX</td>
<td>ON</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SECURITY TX</td>
<td>OFF</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AUTO CLEAR</td>
<td>45SEC</td>
<td>15MIN</td>
<td>1MIN</td>
<td></td>
</tr>
<tr>
<td>AUTO SLEEP</td>
<td>15MIN</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WEEKLY TIMER</td>
<td>OFF</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPEAKER VOLUME</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ALARM VOLUME</td>
<td>0</td>
<td>1</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>KEY TOUCH VOLUME</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RINGER VOLUME</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MONITOR VOLUME</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COPY SETUP</td>
<td></td>
<td>FINISHING</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MENU CUSTOMIZE</td>
<td></td>
<td>APS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>APS/AMS</td>
<td></td>
<td>TEXT/PHOTO</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IMAGE MODE</td>
<td>LIGHT/DARK</td>
<td>AUTO</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FINISHING</td>
<td>NON SORT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FAX SETUP</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LINE MONITOR</td>
<td>OFF</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECM</td>
<td>ON</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DOCUMENT MODE</td>
<td>STD</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DOCUMENT TX</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LIGHT/DARK</td>
<td>AUTO</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>STANDARD</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DIAL TYPE</td>
<td>MF</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACCESS DIGIT</td>
<td></td>
<td>3MIN</td>
<td></td>
<td></td>
</tr>
<tr>
<td>REDIAL MODE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INTERVAL</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COUNTER</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RECEIVING MODE</td>
<td>AUTO</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TIMER</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEMORY TX</td>
<td>ON</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SECURITY TX</td>
<td>OFF</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AUTO CLEAR</td>
<td>45SEC</td>
<td>15MIN</td>
<td>1MIN</td>
<td></td>
</tr>
<tr>
<td>AUTO SLEEP</td>
<td>15MIN</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WEEKLY TIMER</td>
<td>OFF</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPEAKER VOLUME</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ALARM VOLUME</td>
<td>0</td>
<td>1</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>KEY TOUCH VOLUME</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RINGER VOLUME</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MONITOR VOLUME</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COPY SETUP</td>
<td></td>
<td>FINISHING</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MENU CUSTOMIZE</td>
<td></td>
<td>APS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>APS/AMS</td>
<td></td>
<td>TEXT/PHOTO</td>
<td></td>
<td></td>
</tr>
<tr>
<td>IMAGE MODE</td>
<td>LIGHT/DARK</td>
<td>AUTO</td>
<td></td>
<td></td>
</tr>
<tr>
<td>FINISHING</td>
<td>NON SORT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FAX SETUP</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LINE MONITOR</td>
<td>OFF</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECM</td>
<td>ON</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DOCUMENT MODE</td>
<td>STD</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DOCUMENT TX</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LIGHT/DARK</td>
<td>AUTO</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>STANDARD</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DIAL TYPE</td>
<td>MF</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACCESS DIGIT</td>
<td></td>
<td>3MIN</td>
<td></td>
<td></td>
</tr>
<tr>
<td>REDIAL MODE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>INTERVAL</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COUNTER</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RECEIVING MODE</td>
<td>AUTO</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TIMER</td>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEMORY TX</td>
<td>ON</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SECURITY TX</td>
<td>OFF</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Supply notice list

SUPPLY NOTICE FORM

SETUP INFORMATION

DESTINATION SETUP : XXX-XXX-XXXX

DATE & TIME : APR-10-2006  09:30AM

CUSTOMER NUMBER : XXX-XXX-XXXX

SHIP TO NAME : XXXXXXXXXX

SHIP TO ADDRESS : XXXXXXXXXX

CONTACT NAME : XXXXXXXXXX

CONTACT TEL NUMBER : XXX-XXX-XXXX

---
e-STUDIO 165205 Series

MACHINE NAME : XXXXXXXXXX

FAX NUMBER : XXX-XXX-XXXX

TOTAL PRINTED PAGES : XXXX

TOTAL SCANNED PAGES : XXX
## Mailbox list

### MAILBOX/RELAY BOX REPORT

<table>
<thead>
<tr>
<th>BOX NBR</th>
<th>TYPE</th>
<th>PGS</th>
<th>FILE NBR</th>
<th>DATE</th>
<th>TIME</th>
<th>FROM</th>
</tr>
</thead>
<tbody>
<tr>
<td>XXXXXXXXXXXXXXXXXXXXXXX</td>
<td>CONFIDENTIAL BOX</td>
<td>X</td>
<td></td>
<td>XX</td>
<td>XX:XX</td>
<td>XXXX</td>
</tr>
<tr>
<td>XXXXXXXXXXXXXXXXXXXXXXX</td>
<td>CONFIDENTIAL BOX</td>
<td>X</td>
<td></td>
<td>XX</td>
<td>XX:XX</td>
<td>XXXX</td>
</tr>
<tr>
<td>XXXXXXXXXXXXXXXXXXXXXXX</td>
<td>BULLETIN BOARD</td>
<td>X</td>
<td></td>
<td>XX</td>
<td>XX:XX</td>
<td>XXXX</td>
</tr>
<tr>
<td>XXXXXXXXXXXXXXXXXXXXXXX</td>
<td>BULLETIN BOARD</td>
<td>X</td>
<td></td>
<td>XX</td>
<td>XX:XX</td>
<td>XXXX</td>
</tr>
</tbody>
</table>

### RELAY

<table>
<thead>
<tr>
<th>RELAY BOX</th>
<th>END STATION</th>
<th>REPLY TO NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>XXXXXXXXXXXXXXXXXXXXXXX</td>
<td>ABB 001 002</td>
<td>ABB 003</td>
</tr>
<tr>
<td>XXXXXXXXXXXXXXXXXXXXXXX</td>
<td>GROUP 1111</td>
<td>XXXXXXXXXXX</td>
</tr>
</tbody>
</table>
## Configuration page list

<table>
<thead>
<tr>
<th>CONFIGURATION PAGE</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>S/N</td>
<td>XXXXXXXXXX</td>
</tr>
<tr>
<td>F/W Ver.</td>
<td>XXXXXXXXXX</td>
</tr>
<tr>
<td>TIME</td>
<td>06-04-10 09:30</td>
</tr>
</tbody>
</table>

### GENERAL
- MEMORY SIZE: 256MB
- OPTIONAL FUNCTIONAL KIT: NOT INSTALLED

### NETWORK SETTING
- GENERAL
  - ETHERNET SPEED/DUPLEX MODE: 10BASE FULL

### NETWORK
- TCP/IP
  - ADDRESS MODE: DYNAMIC
  - IP ADDRESS: XXX.XXX.XXX.XXX
  - SUBNET MASK: XXX.XXX.XXX.XXX
  - DEFAULT GATEWAY: 0.0.0.0

- IPX/SPX
  - ENABLE IPX/SPX: ENABLE
  - FRAME TYPE: AUTO SENSE
  - ENABLE APPLE TALK: DISABLE
  - DEVICE NAME: XXXXXXXXXX
  - DESIRED ZONE: *

### SESSION
- DNS SESSION
  - ENABLE DNS: ENABLE
  - PRIMARY DNS SERVER ADDRESS: 0.0.0.0
  - SECONDARY DNS SERVER ADDRESS: 0.0.0.0

- DDNS SESSION
  - ENABLE DDNS: ENABLE
  - HOST NAME: XXXXXXXXXX

- NETWARE SESSION
  - ENABLE BINDERY: ENABLE
  - ENABLE NDS: ENABLE
  - CONTEXT: 
  - TREE: 
  - SEARCH ROOT: 
  - ENABLE BONJOUR: 

### MFP 00000376
NIC status page list

---

Unit   Serial No : XXXXXXXX
Network Address : XX;XX;XX;XX;XX;XX
Network Topology : Ethernet
    Connector: RJ45
Network Speed : auto (default)
Novell Network Information enabled
    Print Server Name : XXXXXXXXXX
    Password Defined :
    Search Root not defined
    Directory Services Tree not defined
    Directory Service Context not defined
    Scan Rate : 5
    Frame Type : Auto Sense
TCP/IP Network Information enabled
    IP Address : XX . XXX . XXX . XX
    Subnet Mask : XXX . XXX . X . X
    Default Gateway : XX . XXX . XXX . X
    Primary DNS Server : XXX . XX . XXX . XX
    Host Name : XXXXXXXXXXXX
    Primary WINS Server : XXX . XX . XXX . XX
    NetBIOS Name : XXXXXXXXXXXX
IPP Network Information enabled
    Internet Printing Protocol : XXXXXXXXXX
AppleTalk Network Information disabled
Novell Connection Information
    Couldn't attach to server
AppleTalk Connection Information
    AppleTalk Printer Name: XXXXXXXXXXXX
Raw Socket Connection Information
    Port Number: 9100
Menu list

Menu List (Program)

01. Default Settings
  01. General Settings
  01. Drawer Size
  02. Walkup Screen
  03. Timers
  04. Weekly Timer
  05. Speaker Volume
  06. Department Code

02. Copy Setup
  01. Menu Customize
  02. APS/AMS
  03. Image Mode
  04. Light/Dark
  05. Finishing

03. Fax Setup
  01. Line Monitor
  02. Receive Interval
  03. ECM
  04. Document Mode
  05. Dial Type
  06. Redial Mode
  07. Reception Mode
  08. Memory TX
  09. Security TX
  10. Cover Sheet
  11. Recovery Transmit
  12. TTI
  13. Send After Scan
  15. Separator Page
  16. Secure RX
  17. Memory RX
  18. Reduction
  19. Discard
  20. Privileged RX
  21. RTI

04. Report & List
  01. Journal
  02. Automatic Journal
  02. Communication Report
  01. TX Report
  02. Memory-TX Report
  03. Multi-Add Report
  04. Multipoll Report
  05. Relay Originator Report
  06. Relay Station Report
  07. Relay End Report

03. Reception List
  01. Local Mailbox List
  02. Remote Mailbox List
  03. Relay Reception List

05. Remote Service
  01. Remote Access
  02. Download Firmware
  03. RDC Password
  04. Supply Notice

02. Lists
  1. Department Code
  2. Function
  3. Supply Notice
  4. ITU Mailbox
  5. Configuration Page
  6. NIC Status Page
<table>
<thead>
<tr>
<th>INDEX</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Numerics</strong></td>
</tr>
<tr>
<td>2IN1/4IN1 ..................................................</td>
</tr>
<tr>
<td><strong>A</strong></td>
</tr>
<tr>
<td>Acceptable originals ..................................</td>
</tr>
<tr>
<td>AC-IN terminal ...........................................</td>
</tr>
<tr>
<td>Alarm lamp ..................................................</td>
</tr>
<tr>
<td>ALTERNATION ..................................................</td>
</tr>
<tr>
<td>AMS ..........................................................</td>
</tr>
<tr>
<td>ANNOTATION ..................................................</td>
</tr>
<tr>
<td>APS ..........................................................</td>
</tr>
<tr>
<td>APS / AMS ..................................................</td>
</tr>
<tr>
<td>APS/AMS selecting button/lamps ....................</td>
</tr>
<tr>
<td>Arrow buttons ...............................................</td>
</tr>
<tr>
<td>Automatic copy density mode .......................</td>
</tr>
<tr>
<td>Automatic Document Feeder ..........................</td>
</tr>
<tr>
<td>Automatic magnification selection (AMS) ...........</td>
</tr>
<tr>
<td>Automatic paper selection (APS) ....................</td>
</tr>
<tr>
<td><strong>B</strong></td>
</tr>
<tr>
<td>Before calling service technician ..................</td>
</tr>
<tr>
<td>Bypass copying ...........................................</td>
</tr>
<tr>
<td>Bypass copying (standard size paper) ............</td>
</tr>
<tr>
<td>Bypass tray ..................................................</td>
</tr>
<tr>
<td><strong>C</strong></td>
</tr>
<tr>
<td>CANCEL button ............................................</td>
</tr>
<tr>
<td>Cartridge detecting function .......................</td>
</tr>
<tr>
<td>Certification label .....................................</td>
</tr>
<tr>
<td>Changing the settings ...................................</td>
</tr>
<tr>
<td>Checking the menu structure ..........................</td>
</tr>
<tr>
<td>Cleaning ....................................................</td>
</tr>
<tr>
<td>Cleaning (charger) ........................................</td>
</tr>
<tr>
<td>Cleaning (transfer charger) ..........................</td>
</tr>
<tr>
<td>CLEAR/STOP button ......................................</td>
</tr>
<tr>
<td>Clock setting .............................................</td>
</tr>
<tr>
<td>Configuration of options ...............................</td>
</tr>
<tr>
<td>Confirming set options ..................................</td>
</tr>
<tr>
<td>Continuous copying speed .............................</td>
</tr>
<tr>
<td>Contrast adjustment volume .........................</td>
</tr>
<tr>
<td>Control panel ............................................</td>
</tr>
<tr>
<td>COPY button/lamps .......................................</td>
</tr>
<tr>
<td>Copy menu ..................................................</td>
</tr>
<tr>
<td>Copy mode main screen ..................................</td>
</tr>
<tr>
<td>Copy quantity .............................................</td>
</tr>
<tr>
<td>Copying function combination matrix ..................</td>
</tr>
<tr>
<td>Custom mode setting .....................................</td>
</tr>
<tr>
<td><strong>D</strong></td>
</tr>
<tr>
<td>Daily inspection .........................................</td>
</tr>
<tr>
<td>DATA lamp ..................................................</td>
</tr>
<tr>
<td>Date and time .............................................</td>
</tr>
<tr>
<td>Date and time display ...................................</td>
</tr>
<tr>
<td>Date format ...............................................</td>
</tr>
<tr>
<td>Default settings .........................................</td>
</tr>
<tr>
<td>Density adjustment .......................................</td>
</tr>
<tr>
<td>Density adjustment buttons/lamps ..................</td>
</tr>
<tr>
<td>Density level .............................................</td>
</tr>
<tr>
<td>Department code .........................................</td>
</tr>
<tr>
<td>Description of each component ......................</td>
</tr>
<tr>
<td>Digital keys ...............................................</td>
</tr>
<tr>
<td>Disclaimer notice ........................................</td>
</tr>
<tr>
<td>Drawer .....................................................</td>
</tr>
<tr>
<td>DRAWER button/lamps ....................................</td>
</tr>
<tr>
<td>Drawer Module ...........................................</td>
</tr>
<tr>
<td>DUAL PAGE ..................................................</td>
</tr>
<tr>
<td>DUPLEX .....................................................</td>
</tr>
<tr>
<td>Duplex copying ...........................................</td>
</tr>
<tr>
<td><strong>E</strong></td>
</tr>
<tr>
<td>EDGE ERASE ..................................................</td>
</tr>
<tr>
<td>ENERGY SAVER button ....................................</td>
</tr>
<tr>
<td>Energy saving mode ......................................</td>
</tr>
<tr>
<td>ENTER button .............................................</td>
</tr>
<tr>
<td>External Keyboard .......................................</td>
</tr>
<tr>
<td><strong>F</strong></td>
</tr>
<tr>
<td>FAX TX/RX lamp ...........................................</td>
</tr>
<tr>
<td>Features ....................................................</td>
</tr>
<tr>
<td>FINISHING ...................................................</td>
</tr>
<tr>
<td>Finishing mode ...........................................</td>
</tr>
<tr>
<td>Front cover ................................................</td>
</tr>
<tr>
<td>FUNCTION CLEAR button/lamp .........................</td>
</tr>
<tr>
<td>Function switching buttons ............................</td>
</tr>
<tr>
<td>Fuser unit ..................................................</td>
</tr>
<tr>
<td><strong>G</strong></td>
</tr>
<tr>
<td>General precautions .....................................</td>
</tr>
<tr>
<td><strong>I</strong></td>
</tr>
<tr>
<td>ID CARD ....................................................</td>
</tr>
<tr>
<td>Image mode ..................................................</td>
</tr>
<tr>
<td>IMAGE SHIFT ..................................................</td>
</tr>
<tr>
<td>INTERRUPT button ........................................</td>
</tr>
<tr>
<td>Interrupt copy ............................................</td>
</tr>
<tr>
<td><strong>J</strong></td>
</tr>
<tr>
<td>JOB BUILD ...................................................</td>
</tr>
<tr>
<td>JOB MEMORY .................................................</td>
</tr>
<tr>
<td><strong>L</strong></td>
</tr>
<tr>
<td>Language ....................................................</td>
</tr>
<tr>
<td>LCD screen ..................................................</td>
</tr>
<tr>
<td>List printing ...............................................</td>
</tr>
<tr>
<td>List printing format ....................................</td>
</tr>
<tr>
<td><strong>M</strong></td>
</tr>
<tr>
<td>MAGAZINE SORT .............................................</td>
</tr>
<tr>
<td>Making copies .............................................</td>
</tr>
<tr>
<td>Making margin .............................................</td>
</tr>
<tr>
<td>Manual paper selection ..................................</td>
</tr>
</tbody>
</table>
Maximum number of originals scanned
  in one go ........................................ 50
Media type .......................................... 35, 65
Menu customize .................................... 157
Menu list printing .................................. 169
Menu structure ..................................... 119
Message .............................................. 172
Message area ....................................... 32
MIXED SIZE button/lamp ....................... 29
Mixed-size copying ................................ 72
Month format ..................................... 124

O
Operating the menu ................................ 120
Operator’s Manual pocket ....................... 24
ORIGINAL button/lamps ......................... 31
Original glass ...................................... 26
Original mode button/lamps ................... 31
Original scale ..................................... 27
Original stopper ................................... 54

P
Packing list ........................................ 210
Paper exit stopper ................................ 26
Paper feed cover .................................. 24
Paper Feed Pedestal .............................. 25, 41
Paper Feed Unit .................................... 25
Paper jam ........................................... 174
Paper jam (Automatic Document Feeder) .... 176
Paper jam (Automatic Duplexing Unit) ..... 180
Paper jam (bypass tray) ......................... 179
Paper jam (fuser unit) ............................ 183
Paper jam (Paper Feed Pedestal) ............ 186
Paper jam (Paper Feed Unit) .................. 185
Paper jam (Reversing Automatic Document Feeder) ........................................ 176
Paper jam (transfer unit) ...................... 181
Paper selection .................................... 69
Paper size indicator .............................. 25
Paper size setting ................................ 126
PAPER TYPE ........................................ 83
Paper types not acceptable .................... 36
Placing copy paper ................................ 35
Placing originals .................................. 50, 54
Placing paper in the drawers .................. 37, 41
Platen Cover ........................................ 24
Platen sheet ........................................ 27
Power switch ...................................... 26
Precautions for Reversing Automatic
  Document Feeder (optional) /
  Automatic Document Feeder (optional) ..... 53

R
Receiving tray ..................................... 27
Recommended paper ............................. 36
Recommended toner cartridge ................ 12, 188
Registering paper size placed
  on bypass tray ..................................... 60
Registering size of paper placed ............. 45
Replacing toner cartridge ..................... 187
Reproduction ratio ............................... 32, 74
Resuming copying ................................ 57
Reversing Automatic Document Feeder ...... 24, 53
ROM version display ............................ 170

S
Scanning area ....................................... 27
Selecting button ................................... 30, 82
Selecting button display ....................... 32
SETTINGS button .................................. 30
Side cover .......................................... 24
Sort copying ....................................... 84
Specifications ..................................... 206
Specifications of options ....................... 208
START button ..................................... 30
Sticker labels ..................................... 35
Stopping copying .................................. 57
Storing paper ..................................... 36

T
Thick paper ........................................ 35
Time display format ................................ 124
Time of automatic function clear ........... 130
Time of automatic low power mode ........... 132
Time of automatic sleep mode ................. 134
Timer setting ....................................... 130
Toner cartridge .................................. 12, 26, 187, 188
Toner remaining check function .............. 12
Total number copied or printed .............. 119
Touch key tone setting ......................... 141
Tracing paper ..................................... 35
Transfer unit ..................................... 181
Transparencies ................................... 35
Troubleshooting ................................. 171, 194
Turning power on/off ......................... 33

U
USB terminal ...................................... 27
USER FUNCTIONS button ...................... 29
User functions mode main screen .......... 119

V
Volume adjustment .............................. 139

W
Walkup screen setting ......................... 128
Weekly timer setting ......................... 136

X
XY ZOOM ........................................... 83, 112
Z
Zooming in/out copy image ......................... 74