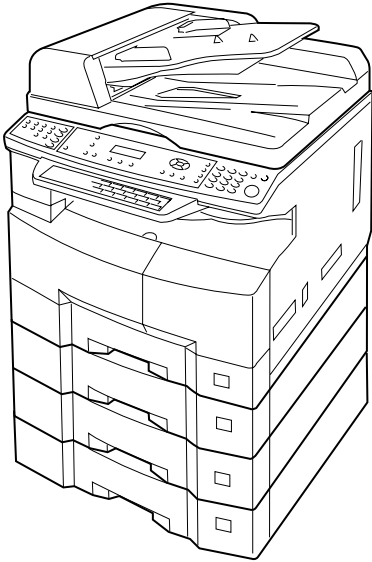
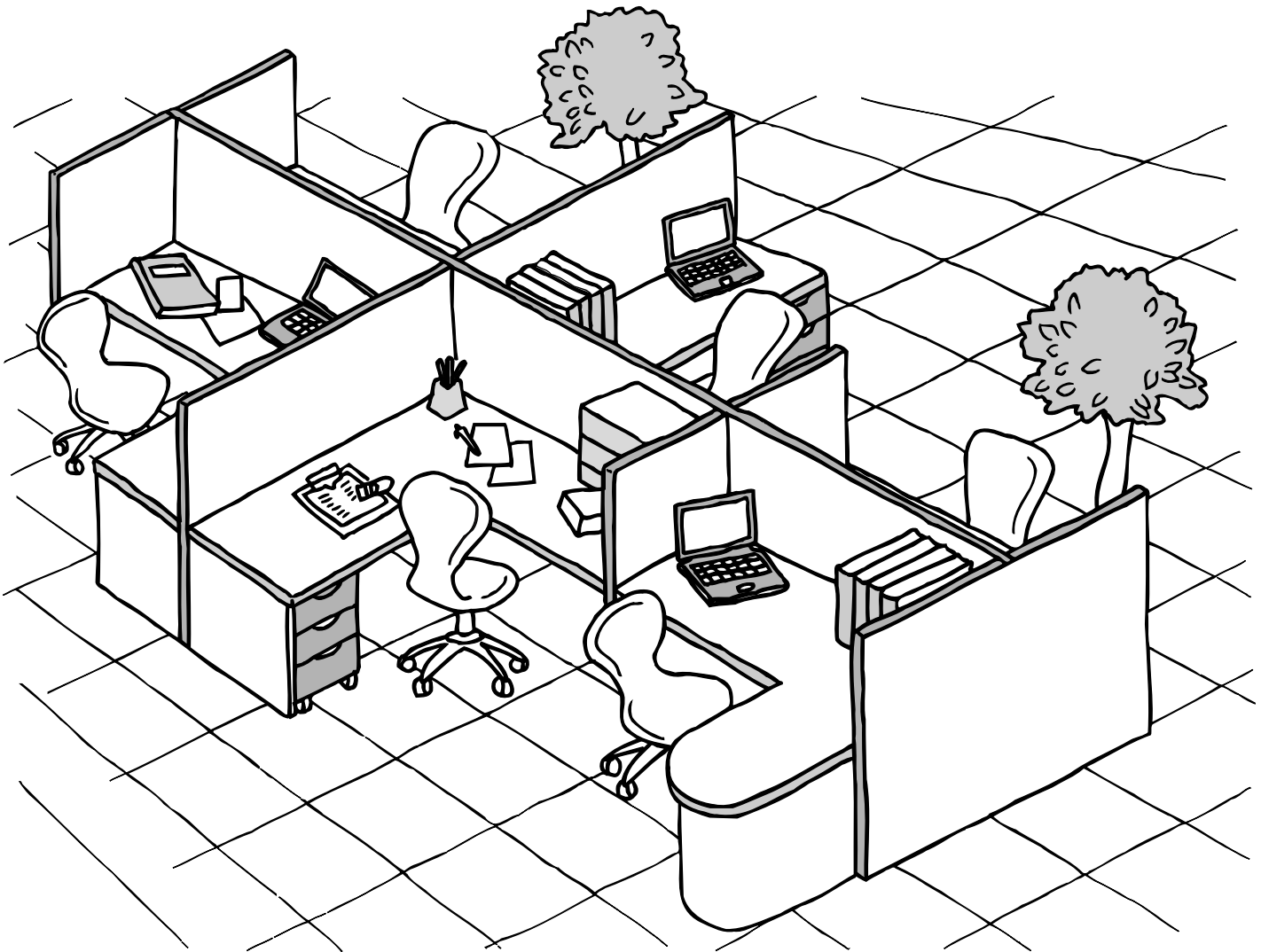


Panasonic®



Digital Imaging Systems Operating Instructions (For Copy & Network Scan Functions)

Model No. DP-1520P/1820P/1820E



WORKIO™

Before operating this equipment, please read these instructions completely and keep these operating instructions for future reference.

English

Getting To Know
Your Machine

Before Starting

Making Copies

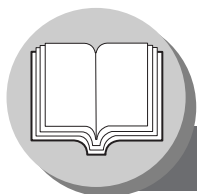
Function

Accessories

Network Scanner
(Option)

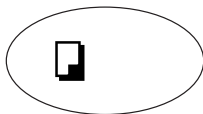
Problem Solving

Appendix



Getting To Know Your Machine

Useful Office Functions/Operating Instructions



Copy

- Copy up to Ledger size originals.
- Capable of copying text/photos/halftone originals.



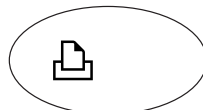
Fax/Email

- Plain Paper High-speed Super G3 compatible Fax with JBIG compression when optional Fax Communication Board (DA-FG180) is installed. (For DP-1820P/1820E only)
- Quick-Scan
- Quick Memory Transmission
- Email Function capability when optional Internet Fax/E-Mail Module (DA-NF180) is installed.



Scan/File

- Monochrome scanner capability when optional Network Scanner Module (DA-NS180) is installed. (For DP-1820P/1820E only)
- Scanning resolution up to: 600 dpi



Print

- Printer controller standard, printer resolution 300 or 600 dpi.



Application Software

- Document Manager, Document Viewer
- Network Scanner when optional Network Scanner Module is installed.
- Utilities (Network Status Monitor, Address Book Editor, Network Configuration Editor)
- Panafax Desktop when optional Fax Communication Board is installed.

■ The following operating instruction manuals are included on the CD for this machine, please use the correct manual when an operator intervention is necessary.

<Copy & Network Scan> Use the information provided on the enclosed CD whenever a Copy & Network Scan Function requires intervention.

For example: How to make copies, add paper, replace the toner bottle, etc.

<Print & Other Advanced Functions> Use the information provided on the enclosed CD for an explanation of how to use as a Network Printer, Network Scanner, Edit Directory Dialling Feature, Device Settings, Network Status Monitor, and/or Document Management System.

Multi-Tasking Job Table

Current Job \ 2nd Job	Copy	Network Scanning Internet Fax		GDI/PCL/PS Printing		Facsimile (Sending)		Facsimile (Receiving)		
		Storing Document	Transmission	Receiving Data	Printing Received Data	Storing Document	Memory Transmission	Memory Receiving	Printing Received Memory Data	
Copy										
Copy	—	—	●	●	△	—	●	●	△	
Network Scanning, Internet Fax										
Storing Document	—	—	●	●	●	—	●	●	●	
GDI/PCL/PS Printing										
Receiving Data	●	●	●	●*	●	●	●	●	●	
Printing Receive Document	☆	●	●	●	☆	●	●	●	☆	
Facsimile (Sending)										
Storing Document	—	—	●	●	●	—	●	●	●	
Memory Transmission	●	●	●	●	●	●	—	—	●	
Facsimile (Receiving)										
Memory Receiving	●	●	●	●	●	●	—	—	●	
Printing Received Memory Data	☆	●	●	●	☆	●	●	●	☆	

●: Accepts and executes the 2nd Job.

△: Accepts and executes the 2nd Job (Copy) only if the Current Job is interrupted.









☆: Accepts the 2nd Job and executes the 2nd Job after the Current Job is completed.

—: Not applicable.

NOTE

*: HDD (DA-HD18) and additional 16MB (minimum) Image memory are required.

Operating Instructions Outline

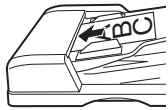
	<h3>Getting To Know Your Machine</h3>	<ul style="list-style-type: none"> ● Precautions (See pages 7-13) ● Quick Operation Chart, Adding Paper (See pages 14, 15) ● Problem Solving, Memory Full, Replacing Toner Bottle/Toner Waste Container, Removing Misfed Paper, Error Codes (U Code/J Code) (See pages 15-21)
	<h3>Before Starting</h3>	<ul style="list-style-type: none"> ● Control Panel Key/Indicator Names (See pages 22, 23)
	<h3>Making Copies</h3>	<ul style="list-style-type: none"> ● Operating Instructions for making copies (See pages 24-43)
	<h3>Function</h3>	<ul style="list-style-type: none"> ● Changing the Initial Machine Modes ● General, Copier, Printer and Scanner Settings (See pages 44-57) ● Combined Function Table (See page 58)
	<h3>Accessories</h3>	<ul style="list-style-type: none"> ● Components (See page 59) ● ADF, i-ADF (See page 25)
	<h3>Network Scanner (Option)</h3>	<ul style="list-style-type: none"> ● Document Scanning (See pages 60, 61) ● Address Book (See pages 62, 63) ● Function (See pages 64, 65) ● Direct Connection (with Crossover Cable) (See pages 66, 67)
	<h3>Problem Solving</h3>	<ul style="list-style-type: none"> ● Troubleshooting (See pages 68, 69) ● Replacing the Battery/Set the Date and Time (See pages 70, 71)
	<h3>Appendix</h3>	<ul style="list-style-type: none"> ● Specifications, Options and Supplies (See pages 72-74)



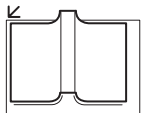
Getting To Know Your Machine

Symbols/Icons

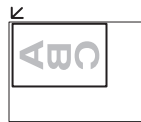
The following Symbols/Icons are used throughout this operating instructions manual.



Place original(s) on the ADF/i-ADF



Place original on the Platen (Book)



Place original on the Platen (Sheet)



Press any Hard Key on the Control Panel

Press Hard Key

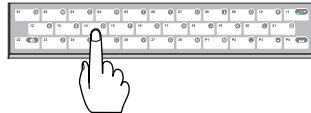


Input numbers

● Number of Copies, etc.



Input text with a Keyboard (Option)

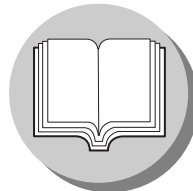


Go to next step

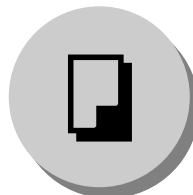


Go to next step (below)

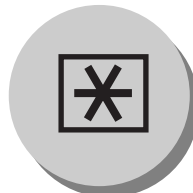
5



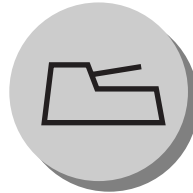
Getting to know your machine Before starting



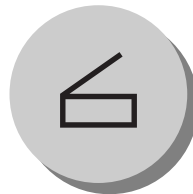
When making copies



When setting the machine modes



Accessories



When scanning document(s)



Problem solving



Appendix



Getting To Know Your Machine

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Getting To Know Your Machine

Precautions

■ Laser Safety

LASER SAFETY

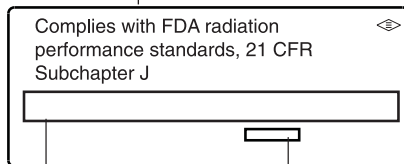
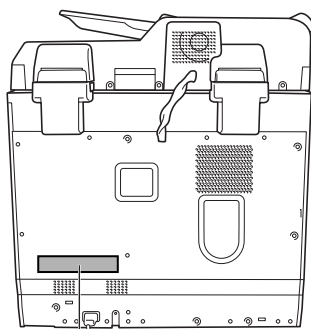
This unit employs a laser. Only qualified service personnel should attempt to service this device due to possible eye injury.

CAUTION:

USE OF CONTROLS, ADJUSTMENTS OR PERFORMANCE PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

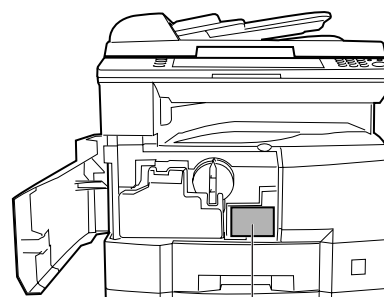


■ Caution Label



Manufacturer's Name and Address

Factory ID



CAUTION: CLASS 3B INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO THE BEAM.
ATTENTION: Rayonnement laser classe 3B invisible en cas d'ouverture et de défaut de sécurité.
 EXPOSITION DANGEREUSE AU FAISCEAU.
Vorsicht: Um bei geöffnetem Deckel den Austritt von Klasse 3B unsichtbare Laserstrahlung zu verhindern, muss die Stromversorgung des Lasers unterbrochen werden.
PRECAUCIÓN: RADIACIÓN LASER DE CLASE 3B INVISIBLE CUANDO SE ABRE LA PUERTA CON EL BLOQUEO INVALIDADO.
 EVITE LA EXPOSICIÓN A LOS RAYOS.
VAROITUS: LUOKKA 3 B NÄKYMATONTÄ JA VAARALLISTA LASERSÄTEILYÄ. JOS LAITTEEN KANSI AVATAAN KESKEN SKANNAUKSEN JA SUOJALUKITUS OHITETAAN, VÄLTÄ SUORAA ALTISTUMISTA SÄTEELLE.
ADVARSEL: KLASSE 3B USYNLIG LASERSTRÅLING NÄR ÅBEN OG SIKKERHEDSLÅS BRYDES. UNDGÅ EKSPONERING FOR STRÅLEN.
ADVARSEL: KLASSE 3B USYNLIG LASERSTRÅLING NÄR MASKINEN ER ÅPEN OG SIKKERHETSLÅS BRYTES. UNNGÅ EKSPONERING FOR STRÅLEN.
WARNING: CLASS 3B OSYNLIG LASER ÖPPEN OCH NÄR SÄKERHETSSPÄRRAR ÄR URKOPPLADE. UNDVIK EXPONERING AV LASER
 FDB8902PU

■ Energy Star



As an **ENERGY STAR**® Partner, Panasonic has determined that this product meets the **ENERGY STAR**® guidelines for energy efficiency.

This voluntary program specifies certain energy consumption and usage standards. This product will automatically “power down” after a specified period of non-use. The use of this **ENERGY STAR**® compliant product will reduce energy consumption and ultimately benefit the environment.

The default functions can be adjusted depending on your office requirements. Please ask your authorized Panasonic dealer for more details.



Getting To Know Your Machine

Precautions

For Your Safety

To prevent severe injury and loss of life, read this section carefully before using the Panasonic DP-1520P/1820P/1820E to ensure proper and safe operation of your machine.

■ This section explains the graphic symbols used in this Operating Instructions manual.



WARNING:

Denotes a potential hazard that could result in serious injury or death.



CAUTION:

Denotes hazards that could result in minor injury or damage to the machine.

■ This section also explains the graphic symbols used in this Operating Instructions manual.



These symbols are used to alert operators to a specific operating procedure that must not be performed.



These symbols are used to alert operators to a specific operating procedure that must be emphasized in order to operate the machine safely.

Installation and Relocation Cautions



CAUTION



Do not place the machine near heaters or volatile, flammable, or combustible materials such as curtains that may catch fire.



Do not place the machine in a hot, humid, dusty or poorly ventilated environment. Prolonged exposure to these adverse conditions can cause fire or electric shocks.



Place the machine on a level and sturdy surface that can withstand a weight of 97 lb (44 kg). If tilted, the machine may tip-over and cause injuries.



When relocating the machine, contact your Service Provider.



When moving the machine, be sure to unplug the power cord from the outlet. If the machine is moved with the power cord attached, it can cause damage to the cord which could result in fire or electric shock.

Power and Ground Connection Cautions



WARNING



Ensure that the plug connection is free of dust. In a damp environment, a contaminated connector can draw a significant amount of current that can generate heat and eventually cause fire over an extended period of time.



Always use the power cord provided with your machine. When an extension power cord is required, always use a properly rated cord.

● 120 V/15 A

If you use a cord with an unspecified current rating, the machine or plug may emit smoke or become hot to the touch externally.



Do not attempt to rework, pull, bend, chafe or otherwise damage the power cord. Do not place a heavy object on the cord. A damaged cord can cause fire or electric shocks.



Never touch a power cord with wet hands. Danger of electric shock exists.



If the power cord is broken or insulated wires are exposed, contact your Service Provider for a replacement. Using a damaged cord can cause fire or electric shocks.



Stop operation immediately if your machine produces smoke, excessive heat, unusual noise, or smell, or if water is spilled onto the machine. These conditions can cause fire. Immediately switch Off and unplug the machine, and contact your Service Provider.



Do not disconnect or reconnect the machine while it is on. Disconnecting a live connector can deform the plug and cause fire.



When disconnecting the machine, grasp the plug instead of the cord. Forcibly pulling on a cord can damage it and cause fire or electric shock.



When the machine is not used over an extended period of time, switch it Off and unplug it. If an unused machine is left connected to a power source for a long period, degraded insulation can cause electric shocks, current leakage or fire.



Be sure to switch Off and unplug the machine before accessing the interior of the machine for cleaning, maintenance or fault clearance. Access to a live machine's interior can cause electric shock.



Be sure to switch Off and unplug the machine before accessing the interior of the machine for accessing interface cables, maintenance or fault clearance. Access to a live machine's interior can cause electric shock.



Once a month, unplug the machine and check the power cord for the following. If you notice any unusual condition, contact your Service Provider.

- The power cord is plugged firmly into the receptacle.
- The plug is not excessively heated, rusted, or bent.
- The plug and receptacle are free of dust.
- The cord is not cracked or frayed.

Others

- The machine has a built-in circuit for protection against lightning-induced surge current. If lightning strikes in your neighborhood, switch Off the machine. Disconnect the power cord from the machine and reconnect only when the lightning has stopped.
- If you notice flickering or distorted images or noises on your audio-visual units, your machine may be causing radio interference. Switch it Off and if the interference disappears, the machine is the cause of the radio interference. Perform the following procedure until the interference is corrected.
 - Move the machine and the TV and/or radio away from each other.
 - Reposition or reorient the machine and the TV and/or radio.
 - Unplug the machine, TV and/or radio, and replug them into outlets that operate on different circuits.
 - Reorient the TV and/or radio antennas and cables until the interference stops. For an outdoor antenna, ask your local electrician for support.
 - Use a coaxial cable antenna.

Operating Safeguards



WARNING



Do not touch areas where these caution labels are attached to, the surface may be very hot and may cause severe burns.



Do not place any liquid container such as a vase or coffee cup on the machine. Spilt water can cause fire or shock hazard.



Do not place any metal parts such as staples or clips on the machine. If metal and flammable parts get into the machine, they can short-circuit internal components, and cause fire or electric shocks.



If debris (metal or liquid) gets into the machine, switch Off and unplug the machine. Contact your Service Provider. Operating a debris-contaminated machine can cause fire or electric shock.



Never open or remove machine covers that are secured with screws unless specifically instructed in the "Operating Instructions". A high-voltage component can cause electric shocks.



Do not try to alter the machine configuration or modify any parts. An unauthorized modification can cause smoke or fire.



Getting To Know Your Machine

Precautions



CAUTION



Do not place a magnet near the safety switch of the machine. A magnet can activate the machine accidentally, resulting in injuries.



Do not use a highly flammable spray or solvent near the machine. It can cause fire.



When copying a thick document, do not use excessive force to press it against the document glass. The glass may break and cause injuries.



Never touch a labelled area found on or near the heat roller. You can get burnt. If a sheet of paper is wrapped around the heat roller, do not try to remove it yourself to avoid injuries or burns. Switch Off the machine immediately, and contact your Service Provider.



Do not use conductive paper, e.g. folding paper, carbonic paper and coated paper. When a paper jam occurs, they can cause a short circuit and fire.



Do not place any heavy object on the machine. An off-balance machine can tip-over or the heavy object can fall, causing damage and/or injuries.



Keep the room ventilated when using the machine for an extended period of time to minimize the ozone density in the air.



When copying with the document cover open, do not look directly at the exposure lamp. Direct eye exposure can cause eye fatigue or damage.



Pull out paper trays slowly to prevent injuries.



When removing jammed paper, make sure that no pieces of torn paper are left in the machine. A piece of paper remaining in the machine can cause fire. If a sheet of paper is wrapped around the heat roller, or when clearing a jammed paper that is difficult or impossible to see, do not try to remove it by yourself. Doing so can cause injuries or burns. Switch Off the machine immediately, and contact your Service Provider.

Others

- When clearing a paper jam or other fault, follow the appropriate procedure given in the Operating Instructions.

Consumable Safeguards



WARNING



Never throw a toner cartridge into an open flame. Toner remaining in the cartridge can cause an explosion and you can get burnt.



Never throw toner or a waste toner container or a toner cartridge into an open flame. It can cause an explosion and you can get burnt.



Keep button batteries out of the reach of children. If a button battery is swallowed accidentally, get medical treatment immediately.



CAUTION



Never heat the drum cartridge, or scratch its surface. A heated or scratched drum can be hazardous to your health.



Do not mix new and old batteries together. Otherwise, batteries can burst or leak, causing fire or injuries.



Be sure to use the specified type of batteries only.



Ensure that batteries are installed with correct polarity. Incorrectly installed batteries can burst or leak, resulting in spillage or injuries.

For Your Safety

- The maximum power consumption is 1.3 kW.
A properly wired (grounded), dedicated, 15A, 120V AC outlet is required. Do not use an extension cord.
The power cord on this machine must be used to disconnect the main power.
Please ensure that the machine is installed near a wall outlet and is easily accessible.

Caution Note: Unplug the power cord from the wall outlet before removing covers.

Supplies

- Store the Toner Bottle and paper in cool areas with low humidity.
 - Use high quality 16 - 24 lb (Sheet Bypass: 15 - 35 lb) paper.
 - For optimum performance, it is recommended that only Panasonic Brand supplies are used in the machine.
 - Certain types of transparency film may not be compatible and may damage your machine.
Consult with an authorized Panasonic dealer for advice regarding non-standard paper types.
(Panasonic has tested "3M PP2500" transparency film and found it to be compatible.)
 - Panasonic recommends using high quality 15 - 35 lb paper, using an inferior paper may cause excessive paper curl, requiring you to empty out the Output Tray more often to avoid paper jams.

Installation

- The machine should not be installed in areas with the following conditions:
 - Extremely high or low temperature and humidity.
Ambient conditions Temperature: 50 – 86 °F
Relative humidity: 30 – 80 %
 - Where temperature and humidity can change rapidly, causing condensation.
 - Direct exposure to sunlight.
 - In areas of high dust concentration.
 - In areas with chemical fume concentration.
 - With unstable or uneven conditions (floors, etc.).
 - Directly in the air conditioning flow.
 - In areas of poor ventilation.
 - In areas with extreme vibration.

Illegal Copies

It is unlawful to make copies of certain documents.

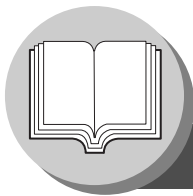
Copying certain documents may be illegal in your country. Penalties of fines and/or imprisonment may be imposed on those found guilty. The following are examples of items that may be illegal to copy in your country.

- Currency
- Bank notes and checks
- Bank and government bonds and securities
- Passports and identification cards
- Copyright material or trademarks without the consent of the owner
- Postage stamps and other negotiable instruments

**This list is not inclusive and no liability is assumed for either its completeness or accuracy.
In case of doubt, contact your legal counsel.**

Notice:

Install your machine near a supervised area to prevent illegal copies from being made.



Getting To Know Your Machine

Precautions

Ventilation

- The machine should be installed in a well-ventilated area to minimize the ozone density in the air.

WARNING For USA Users

FCC WARNING:

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/her own expense.

The user could lose the authority to operate this equipment if any unauthorized changes or modifications are made to this equipment.

This product has a fluorescent lamp that contains a small amount of mercury. It also contains lead in some components. Disposal of these materials may be regulated in your community due to environmental considerations.

For disposal or recycling information please contact your local authorities, or the Electronics Industries Alliance: <http://www.eiae.org>.

Handling

- Do not turn the Power Switch Off or open the Front Cover during copying.
- Energy Save Mode Notice
 - The following function, will not work if the Energy Saver Mode setting is set to the Shutdown mode.
When using any of the following functions, we recommend that you leave the Energy Saver Mode in the initial factory default setting (Sleep). (See page 46)
 - Printer Function (Local USB and Network Connections)
 - Internet Fax/Email Function
 - Facsimile FunctionWhen the LAN cable is not connected and DHCP DEFAULT is "VALID" (See page 47).

Handling

■ Key Operator Password

- The Initial Machine Modes can be checked or changed with the Function Modes, however, these modes require the Key Operator Password.

For Key Operator : When setting up this machine, please consult with the authorized service provider, and decide on the Key Operator Password together, then record it and keep it in a safe place for future reference.

■ Dept. (Departmental) Code



When the Department Counter function is set up, the Dept. (Departmental) Code input screen is displayed on the Display. A registered departmental code (1 to 8-digit) is required to gain access to each secured function, or the secured Copy/Fax/Scanner function(s) cannot be used. Please consult with the key operator regarding the Departmental Code(s) for the desired function.

Procedures :

- ① Input a registered departmental code (1 to 8-digit).
- ② Press the SET Key or START Key.

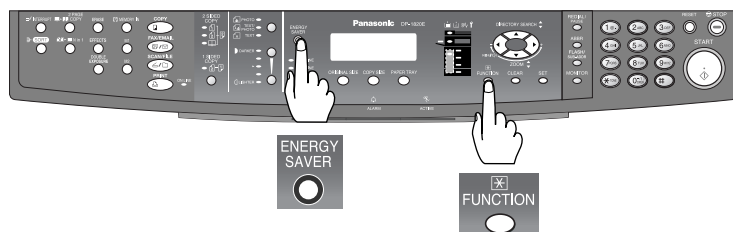
■ Total Counter View Mode on the LCD

The Total Counter can be displayed on the Panel Display by pressing "COPY SIZE" and "PAPER TRAY" keys simultaneously in Standby mode for quick reference.



■ Power Switch

If the Hard Disk Drive Unit (DA-HD18) is installed, to prevent a Scan Disk Function from being performed (similar to Windows OS when the power is abruptly interrupted), it is important to follow the step sequence below when turning OFF the Power Switch on the machine.



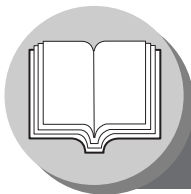
1. If the machine is in the "ENERGY SAVER (Shutdown Mode)" you may turn the Power Switch on the Right Side of the machine to the OFF position. If it is not in the "ENERGY SAVER (Shutdown Mode)", continue to step 2 below.
2. Press "FUNCTION" and "ENERGY SAVER" keys simultaneously first. The Energy Saver Key will light.
3. Turn the Power Switch on the Right Side of the machine to the OFF position.

■ Maximum Copies Limitation

After setting the maximum allowed number of copies for each department (see page 56), consult with your Key Operator when the total copy count reaches the designated limit and the "DEPT.MAXIMUM COPIES HAS BEEN REACHED" message appears on the LCD.

■ Printing Speed Reduction

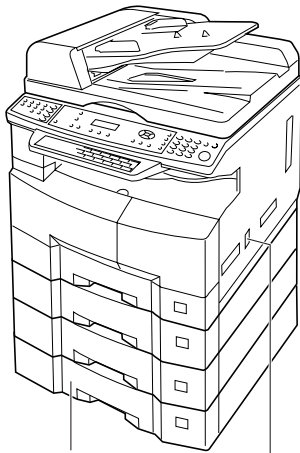
Printing speed will be reduced when printing large, multi-copy jobs. This is considered normal in order to maintain optimum print quality.



Getting To Know Your Machine

Operation Chart

■ Quick Operation Chart

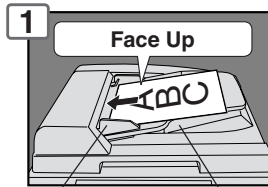


Adding Paper

Turn the Power Switch to the ON position



From ADF/i-ADF (Option)

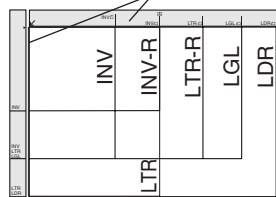


Original Guides* Tray

Adjust to the original's width (Max. 50 Letter size originals)

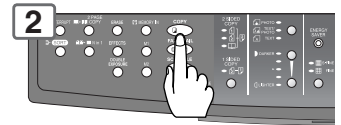
* Hold the guides by the center when adjusting the width

Original Guides



INV: Invoice, LTR: Letter
LGL: Legal, LDR: Ledger

or
From Platen



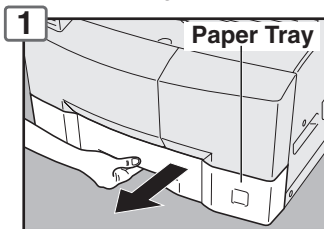
If set in other function mode (DP-1820P/1820E only)

Face Down

- If the original is not positioned properly, a portion of the original may not be copied.
- For originals smaller than Invoice size, position the original within the Invoice area and select Invoice.

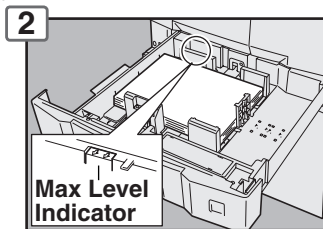
● Adding Paper (Paper Tray)

The following steps are for Paper Tray-1, use the same procedures for other optional Paper Trays.

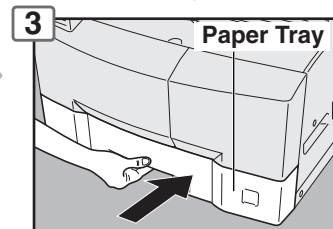


NOTE:

When changing the paper size, refer to page 54.



Load Paper: Face Up
Paper Weight: 16 - 24 lb
Paper Capacity: 550 Sheets (20 lb)

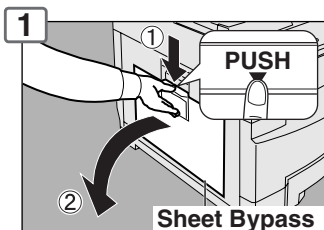


NOTE:

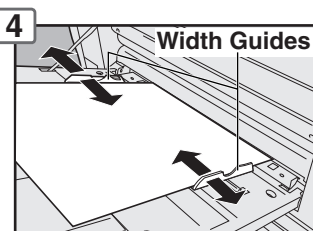
Make sure that the paper is set properly and that it does not exceed the Max. Level indicator.

● Adding Paper (Sheet Bypass)

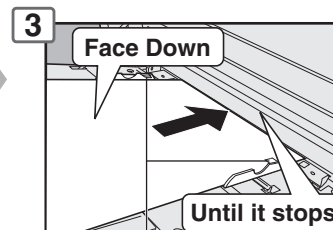
Copying on Special Paper, etc.



4



Adjust the width guides. Incorrect adjustment may cause the paper to wrinkle, misfed or skew.



← Upper Limit Guides

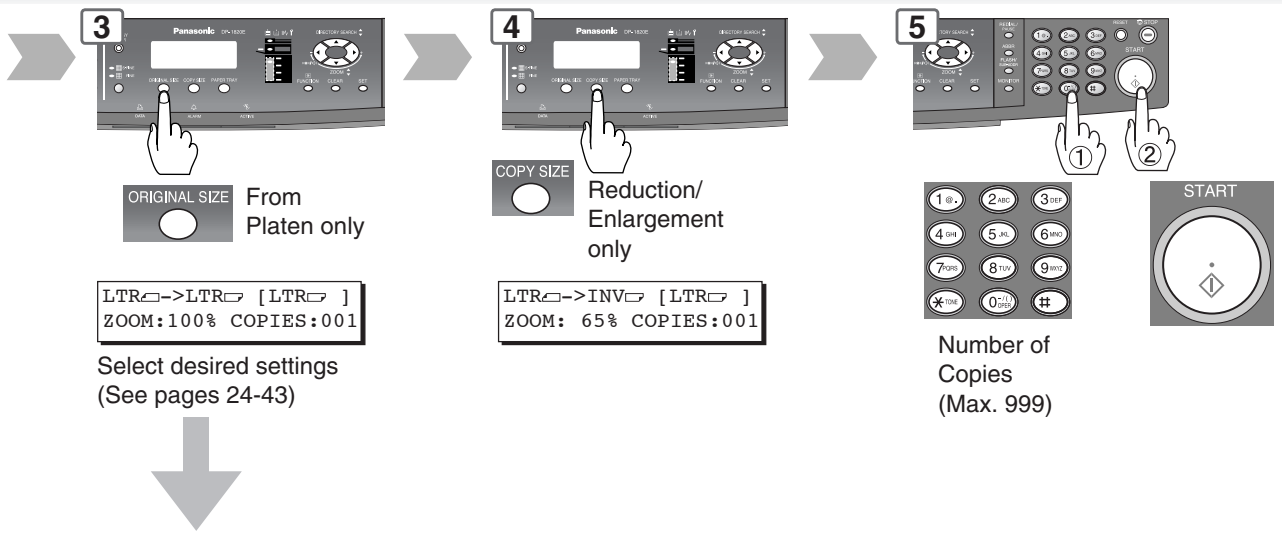
Load Paper

(Do not exceed limit guides)

Paper Weight: 15-35 lb

Paper Capacity: 50 sheets/20 lb

To add paper to the Sheet Bypass, remove the leftover paper from the tray, and align it with the additional paper and load them together onto the tray.



Interrupt (See page 42)

Sort (See page 36)

2 Page Copy (See page 32)

N in 1 (See page 30)

Erase (See page 34)

Effects (See page 36)

Double Exposure (See page 32)

2-Sided/Original → Copy (See pages 26-29)
 2-Sided Copy: DP-1820E only

Type of Original

Manual Exposure

Zoom Mode (See page 25)

Problem Solving



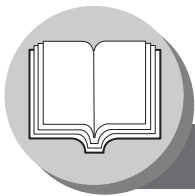
- Adding Paper**
- Replacing Toner Bottle/Toner Waste Container** (See page 16)
- Checking Toner** (See below)
- Removing Misfed Paper** (See page 16)
- U## (User Error Code)** (See page 20)
- J## (Jam Error Code)** (See page 21)
- E## (Machine Error Code)** (Call your Service provider)
- REPLACE DRUM UNIT** (Call your Service provider)

Toner Level Check Operation

When "CHECKING TONER PLEASE WAIT" message appears, the machine is checking the toner level and no operation through control panel is accepted.

Memory Full

If the memory overflows while scanning originals, the message "MEMORY FULL CONTINUE? 1:YES 2:NO" will appear on the LCD. If this occurs, follow the instructions on the LCD. If this occurs frequently, adding optional memory is recommended, consult with an authorized service provider.



Getting To Know Your Machine

Operation Chart

■ Problem Solving

● Replacing Toner Bottle/Toner Waste Container

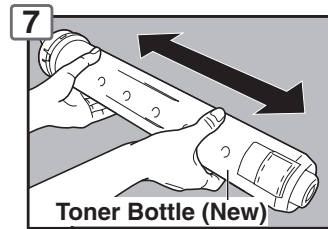
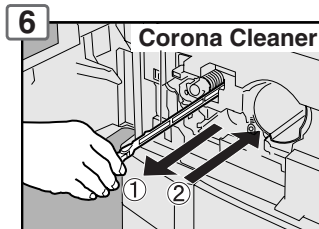
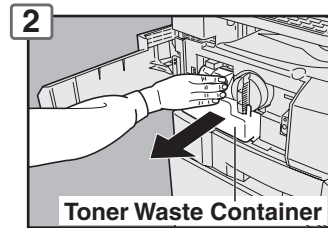
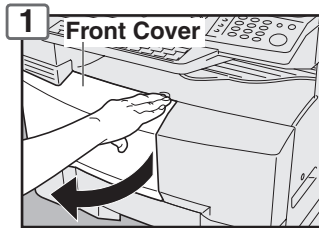


ATTENTION

- For optimum copy quality use the recommended Panasonic Toner. Store Toner Bottle in a cool dark place. Do not unseal the Toner Bottle unless you are ready to use it.

NOTE:

Do not reuse the toner from the Toner Waste Container.



Slide the Corona Cleaner in and out 3 or 4 times slowly, then return the Corona Cleaner Handle to original position.

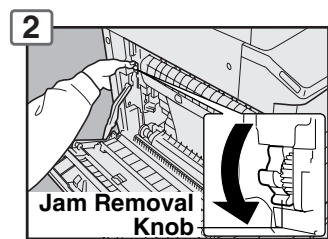
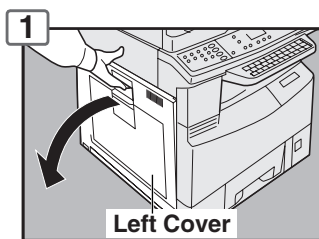
Shake it well

● Removing Misfed Paper (Paper Exit Area) (J46)



(Ex.)

REMOVE MISFED PAPER
J46

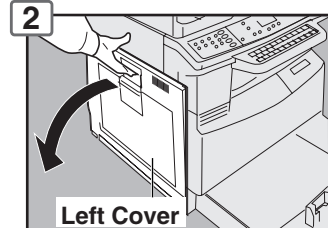
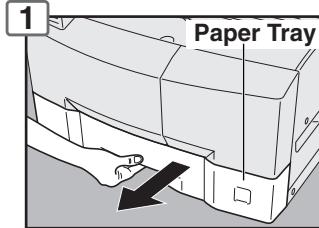


● Removing Misfed Paper (Paper Transport/Fusing Area) (J01, J30, J31, J33, J45, J48, J95)



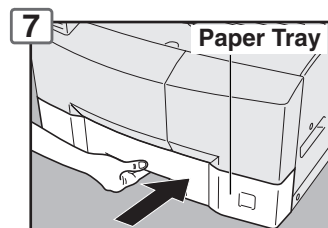
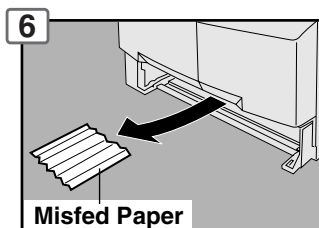
(Ex.)

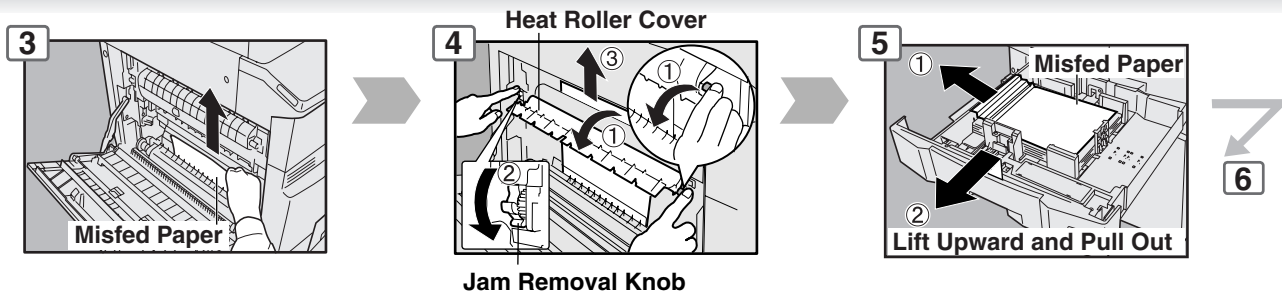
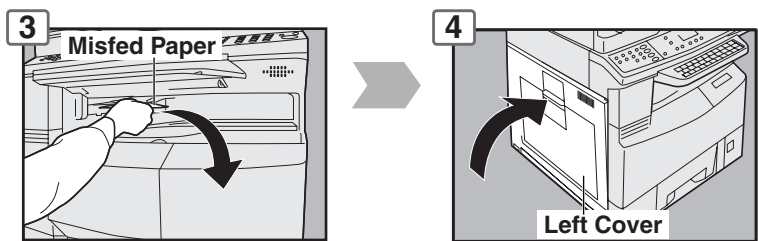
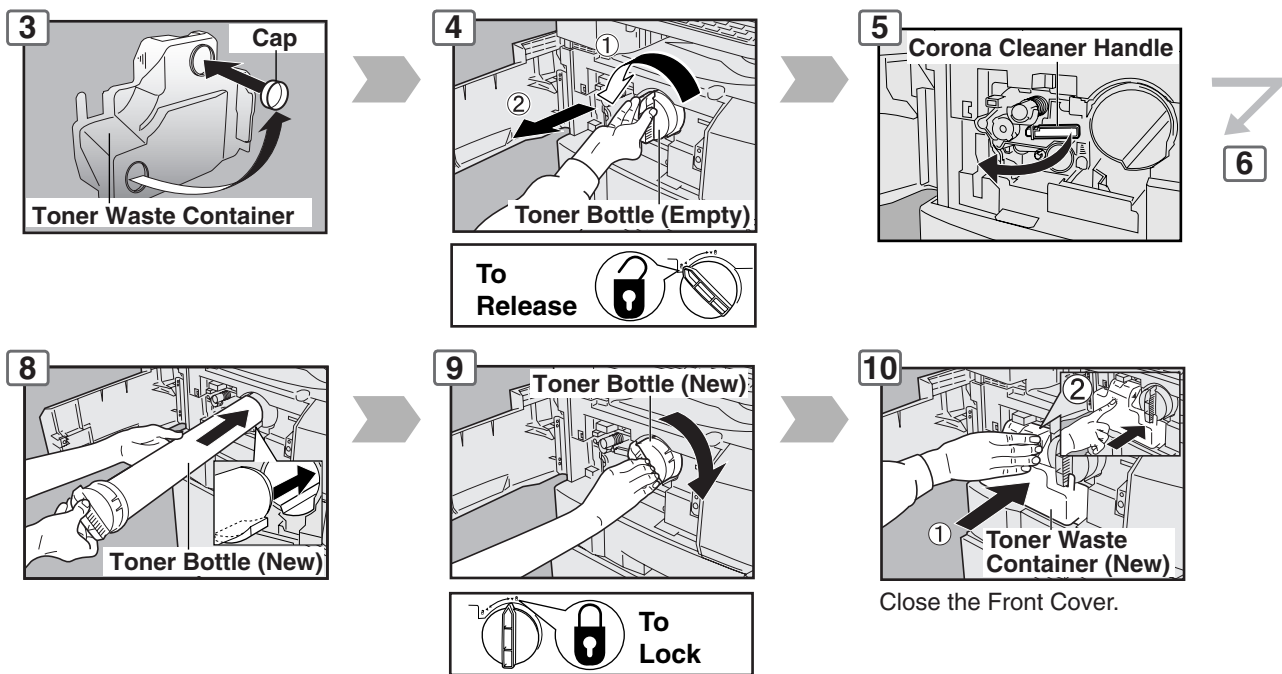
REMOVE MISFED PAPER
J48




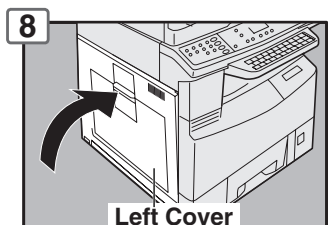
ATTENTION

- Do not scratch or touch the surface of the OPC Drum (Green) with bare hands. The OPC Drum is sensitive to light. To prevent optical exposure problems, do not expose the OPC Drum to direct sunlight or bright light.






 • ATTENTION: Hot Surface
 • ATTENTION: Zone chauffée
 • ACHTUNG : Heiße Oberfläche
 • ATENCION : Superficie caliente
 • 高温注意 • 고온주의



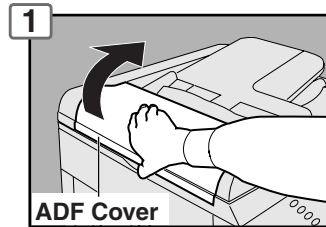
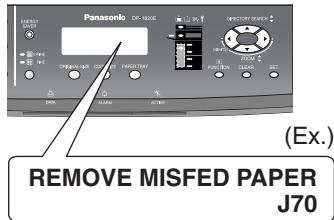


Getting To Know Your Machine

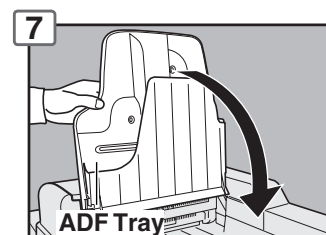
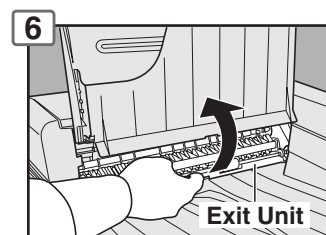
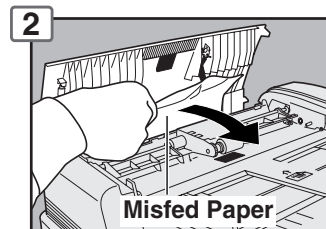
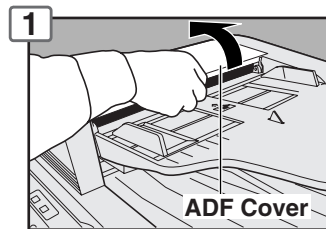
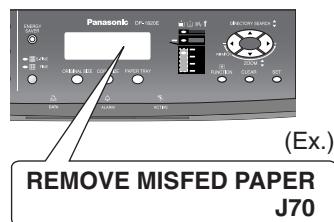
Operation Chart

■ Problem Solving

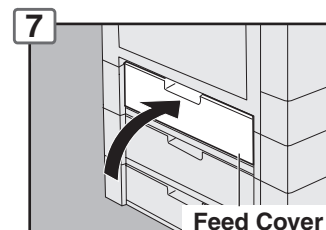
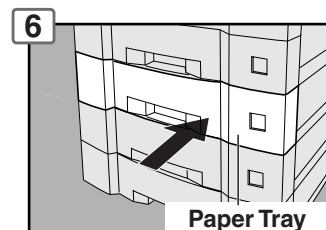
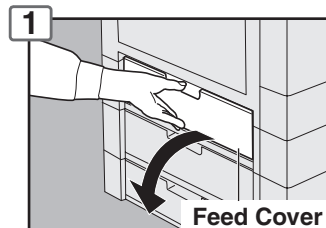
● Removing Misfed Paper (ADF: Option for DP-1520P/1820P/1820E) (J70, J71, J79, J92, J93)

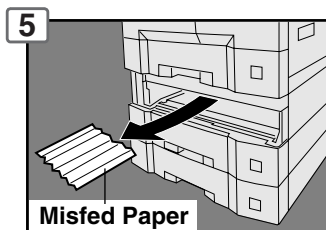
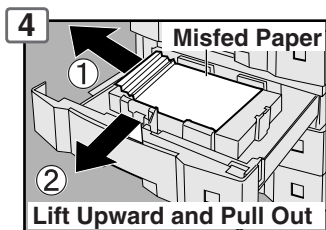
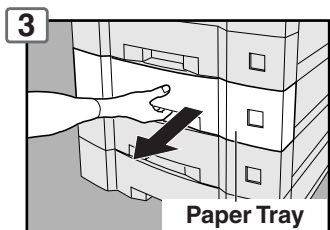
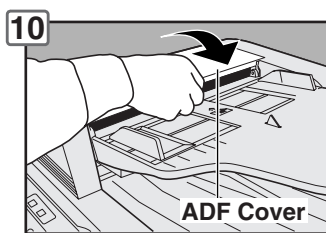
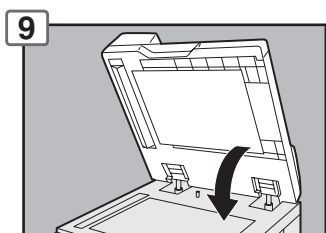
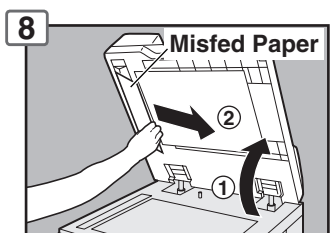
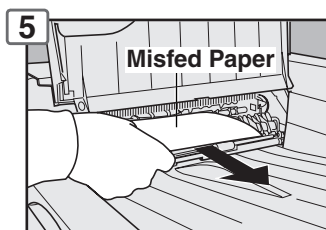
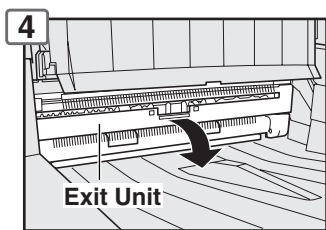
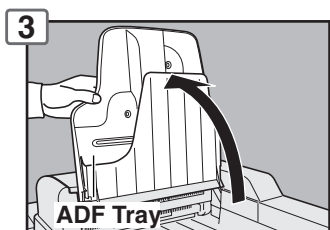
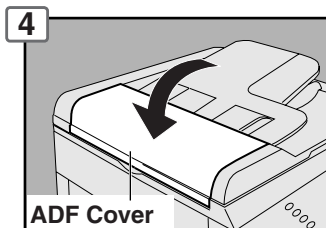
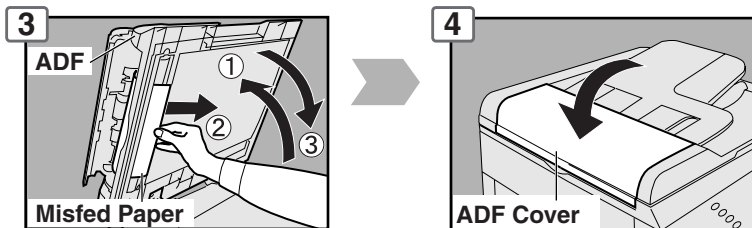


● Removing Misfed Paper (i-ADF: Option for DP-1820E) (J70, J71, J72, J73, J76, J78, J79, J92, J93)



● Removing Misfed Paper (2nd/3rd/4th Paper Tray: Option) (J02, J03, J04, J07, J08, J09, J12, J13, J14, J22, J23, J24)



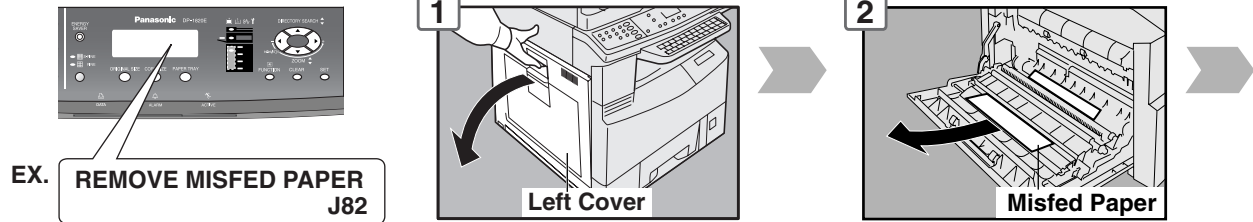




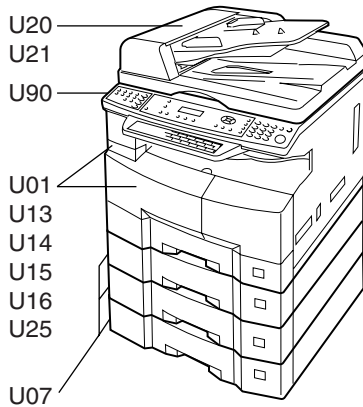
Getting To Know Your Machine

■ Problem Solving

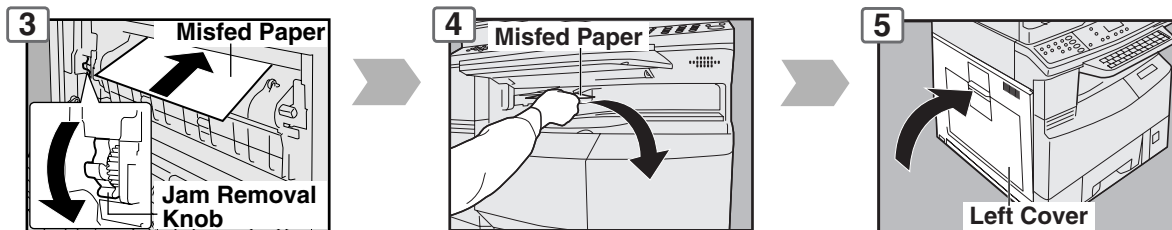
● Removing Misfed Paper (J19, J32, J82, J85, J87: ADU for DP-1820E only)



● User Error Codes (U Code)



Code	Check Points	Code	Check Points
U01	Front and/or Left Cover is open.	U20	ADF Cover is open.
U07	Feed Cover is open. (See page 18)	U21	ADF/i-ADF was opened while scanning from ADF/i-ADF.
U13	Low Toner or Out of Toner.	U25	Toner hardened inside the Toner Bottle. Remove the Toner Bottle and shake it well.
U14	Toner Waste Container is full.	U90	Battery requires replacement. (See page 70)
U15	Toner Waste Container is incorrectly installed.		
U16	Developer Unit is incorrectly installed. Call your Service Provider.		



● Jam Error Codes (J Code)

Code	Check Points	Code	Check Points
J00	① Remove paper from the Sheet Bypass. ② Open and close the Left Cover (as illustrated in Steps 1 and 5 above).	J30, J31, J33, J45, J46, J48, J95*	Remove misfed Paper. (See page 16) *J95: Check the paper size of the paper tray. (See page 54)
J01	Pull the paper tray out and remove jammed paper from the standard paper tray (Tray-1) (See page 16)	J19, J32, J82, J85, J87	Removing misfed Paper. (See page 20)
J02, J03, J04	Pull the paper tray out and remove jammed paper from the optional paper trays (Tray-2 to 4) (See page 18)	J70, J71, J72, J73, J76, J78, J79, J92, J93	Removing misfed Paper (See page 18)
J07, J08, J09, J12, J13, J14, J22, J23, J24	Remove misfed paper. (See page 18)		

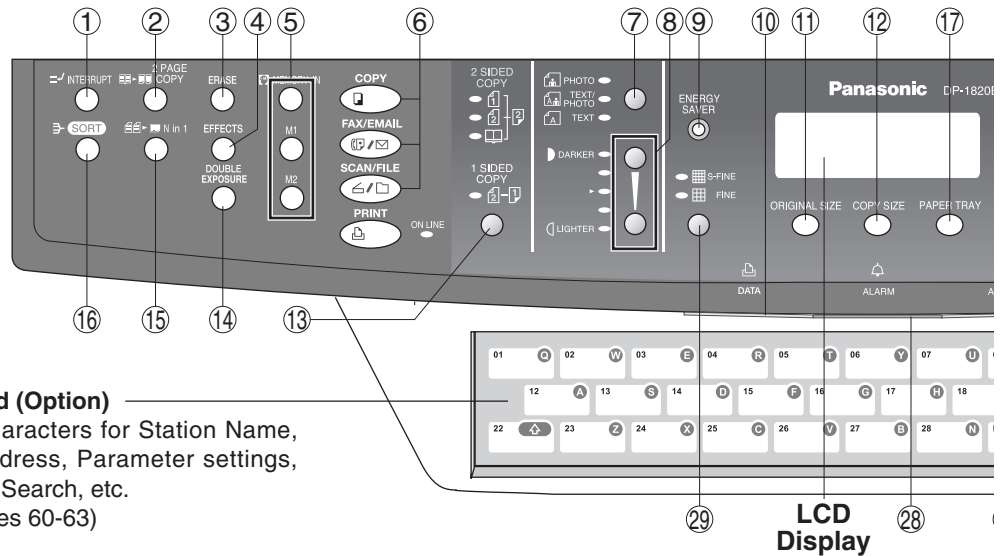
NOTE: ● The J## Code indicates the most probable Jam location. If the jam message reappears after the jam is cleared, paper is most likely jammed at other location(s). Check the Jam Error Codes Table above for other check points and remove all misfed paper.

- Make sure that the Jam Error Code and Misfed Indicator disappears after removing the misfed paper.
- The Jam Error Code and Misfed Indicator will not disappear if the paper is still jammed in the machine. Check again and remove all misfed paper.



Before Starting

Control Panel

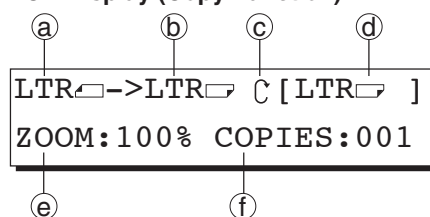


Keyboard (Option)

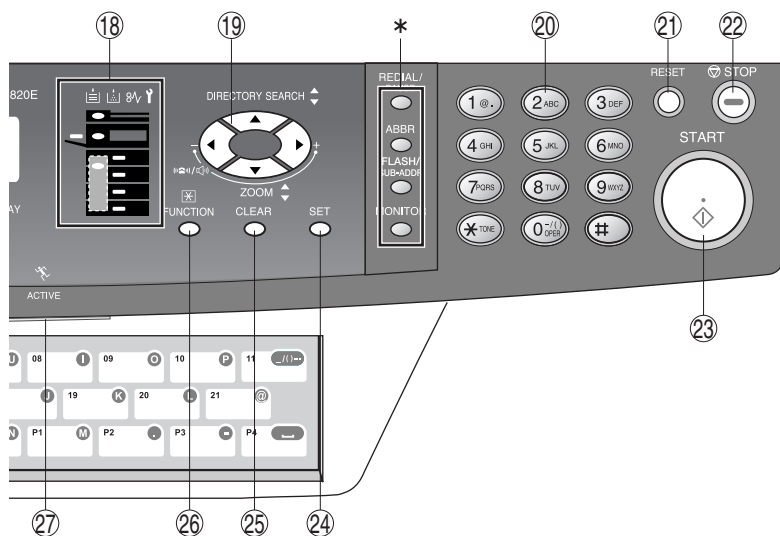
Inputs characters for Station Name, Email Address, Parameter settings, Directory Search, etc.
(See pages 60-63)

No.	Icon	Contents	No.	Icon	Contents
①		INTERRUPT Key Selects Interrupt mode. (See page 42)	②		2 PAGE COPY Key Selects 2 Page Copy mode. (See page 32)
③		ERASE Key Selects Edge, Book or Margin mode. (See page 35)	④		EFFECTS Key Selects Image Repeat or Centering mode. (See page 36)
⑤	 	MEMORY Keys Selects Job Memory mode. (See pages 42, 43)	⑥	 	DP-1820P/1820E only COPY Key To use the unit as a photocopier. SCAN/FILE Key Used for network scanning (option for DP-1820P/1820E) (See pages 60-65)
⑦		Original Mode Select Keys/Indicators Selects original mode. (See pages 25 and 60)	⑧		LIGHTER/DARKER Key/Indicators To adjust the Manual Exposure. (See pages 25 and 60)
⑨		Energy Saver Key Saves power while the machine is not in use. (See page 42)	⑩		PRINT DATA LED (GREEN) Lights when receiving print data.
⑪		ORIGINAL SIZE Key To select an original size.	⑫		COPY SIZE Key To select a copy size.
⑬		DUPLEX Key Selects a 2-Sided or 1-Sided copy. (See pages 26-29) 2-Sided Copy: DP-1820E only	⑭		DOUBLE EXPOSURE Key Selects Double Exposure mode. (See page 32)
⑮		N in 1 Key Selects N in 1 copy mode. (See page 31)	⑯		SORT Key Selects Electric Sort mode. (See page 36)

LCD Display (Copy Function)



- Ⓐ Original Size
- Ⓑ Copy Size
- Ⓒ Rotating Paper Size
- Ⓓ Paper Size in Paper Tray
- Ⓔ Zoom Ratio
- Ⓕ Number of Copies



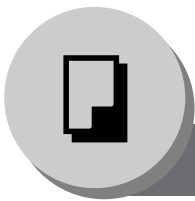
* Used for Fax, Internet Fax, and Email Functions.
(except for the ABBR Key)
(See page 61)

No.	Icon	Contents	No.	Icon	Contents
17		PAPER TRAY Key Selects the paper tray.	18		Warning Indications When unit is used as a photocopier. <ul style="list-style-type: none"> : Add Paper (See page 14) : Replace Toner Bottle (See page 16) : Removing misfed paper (See pages 16-21) : Call Service
19		Cursor Key To select the zoom ratio, etc.	 (For DP-1520P)		
20		Keypad Sets copy quantities or inputs the parameter(s) of Function settings.			
21		RESET Key Resets all features to the initial power-on state.	22		STOP Key Stops the copy run.
23		START Key Starts the copy job.	24		SET Key Sets the parameter(s) of Function settings.
25		CLEAR Key Clears the copy count in the display.	26		FUNCTION Key Use when changing the paper size, initial function values (default values) and key operator settings.
27		ACTIVE LED (GREEN) Lights when machine is active.	28		ALARM LED (RED) Lights/Flashes when trouble occurs.
29		Sets scanning resolution. (See page 60)	Lights: Machine detected a trouble status <ul style="list-style-type: none"> ● No paper in the selected tray or toner has run out. ● Machine detected trouble, such as paper misfed or jammed. Flashes: Machine detected an alarm status <ul style="list-style-type: none"> ● No paper in the Tray. (Tray not selected) ● Toner is getting low, etc. 		

NOTE:

To adjust the brightness of the LCD display, press and while holding down the CLEAR Key, keep pressing the ORIGINAL SIZE or COPY SIZE Key until the desired brightness is achieved.

ORIGINAL SIZE : Dimmer
COPY SIZE : Brighter

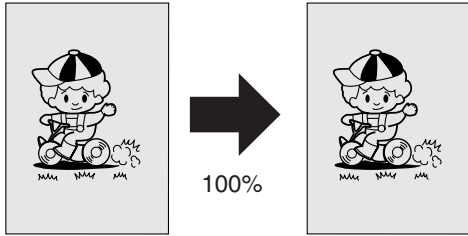


Making Copies

Basic Copy

■ Copying the Same Size Originals (1:1)

Copy size is automatically selected.



1
For ADF
For i-ADF

2

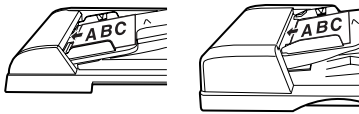
From Platen only

ORIGINAL SIZE

- LDR : Ledger
- LGL : Legal
- LTR : Letter
- LTR : Letter-R
- INV : Invoice
- INV : Invoice-R

■ Position of the Original(s)

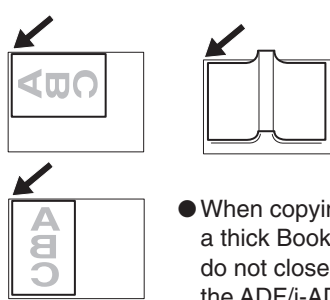
For ADF/i-ADF* (Face Up)



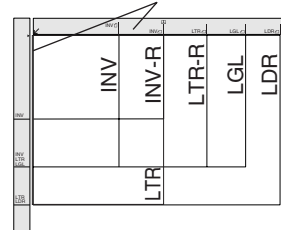
- Feeds originals automatically
Up to 50 Letter/Invoice size (20 lb)
(Up to 30 Legal/Ledger size)

* ADF for DP-1520P/1820P/1820E
i-ADF for DP-1820E only

For Platen (Face Down)



Original Guides



INV: Invoice, LTR: Letter
LGL: Legal, LDR: Ledger

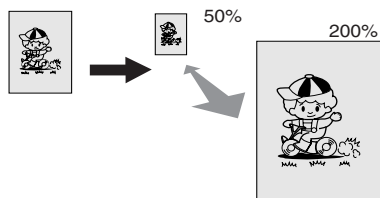
■ Copying with Preset or Variable Zoom Ratios

Preset Ratios (ex: Enlargement)



Variable Zoom Ratios

Copies with variable zoom ratios from 50 % to 200 % in 1 % increments.



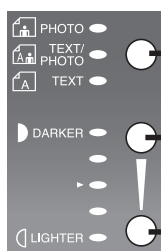
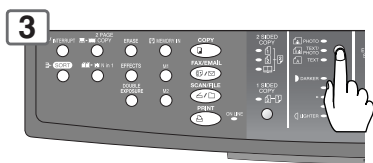
1
For ADF
For i-ADF

2

From Platen only

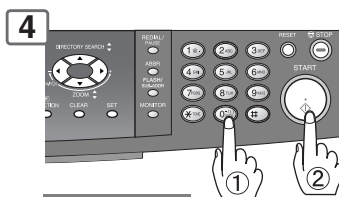
ORIGINAL SIZE

- LDR : Ledger
- LGL : Legal
- LTR : Letter
- LTR : Letter-R
- INV : Invoice
- INV : Invoice-R



Select type of Original(s)
PHOTO : Mainly Photo
TEXT/PHOTO : Text and Photo combined
TEXT : Mainly Text

Adjust the Manual Exposure
 Press **DARKER** or **LIGHTER**
 Key (5 steps)



Number of Copies
 (Max. 999)



Using the ADF/i-ADF (Option)

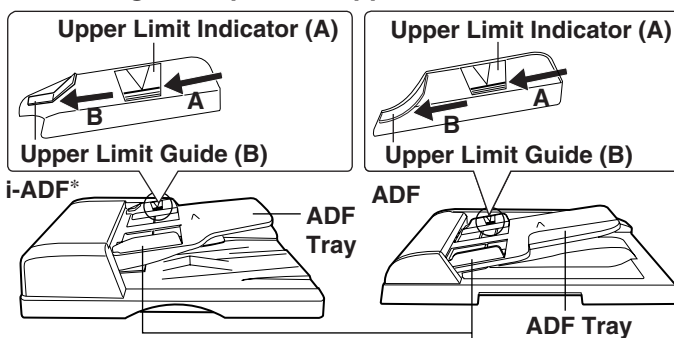
Originals that cannot be used

- Post Cards, Drawing Papers, Transparencies, Labelling Papers, Heavyweight Papers, Thin Art Papers, Film Thermal Papers

Inappropriate Originals

- Paper with a smooth surface such as glossy and coated papers
- Transparencies
- Originals with a Lead Edge that is ripped, creased, folded, punched, or glued.
- Mixed width size Originals (except a combination of Ledger and Letter)
- Paste-ups
- Pressure sensitive or carbon backed papers
- Paper with excessive curl
- Stapled originals
- Freshly printed copies from a laser printer
- Originals with fresh White-Out (Liquid paper correction fluid)

Set the originals up to the Upper Limit Indicator/Guide.



Original Guides
 Adjust to the original's width

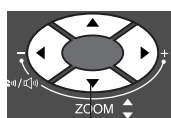
* ADF for DP-1520P/1820P/1820E
 i-ADF for DP-1820E only

3 For Preset Ratios

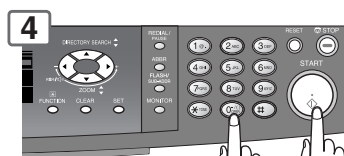


- LDR □ : Ledger
- LGL □ : Legal
- LTR □ : Letter
- LTR □ : Letter-R
- INV □ : Invoice
- INV □ : Invoice-R

For Variable Zoom Ratios

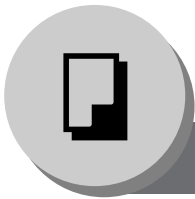


Up to 200% in 1%
 Down to 50% in 1%



Number of Copies
 (Max. 999)



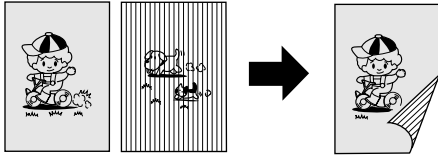


Making Copies

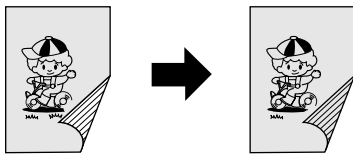
Creative Features

■ 1 → 2 Copy, 2 → 2 Copy, 2 → 1 Copy (DP-1820E with optional i-ADF only)

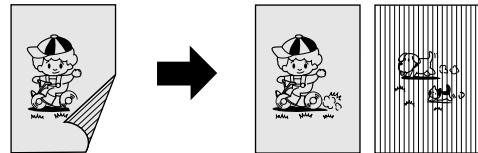
1 → 2 Copy 1-Sided → 2-Sided Copy



2 → 2 Copy 2-Sided → 2-Sided Copy



2 → 1 Copy 2-Sided → 1-Sided Copy

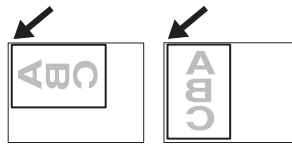


NOTE: 1. When copying 2 → 2 or 2 → 1 Copy using the optional ADF, see below.
2. If the memory overflows while scanning originals, all scanned data will be cancelled. If this occurs, restart from Step 1.

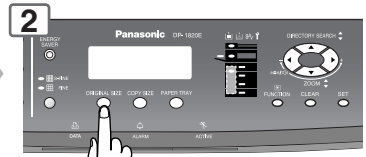
1 For i-ADF



or



(1 → 2 Copy only)

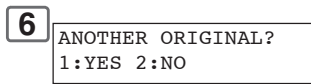


From Platen only for 1 → 2 Copy



- LDR : Ledger
- LGL : Legal
- LTR : Letter
- LTR : Letter-R
- INV : Invoice
- INV : Invoice-R

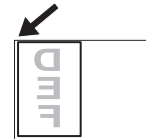
Steps 6 to 9 for 1 → 2 Copy from Platen:



1: YES
Go to next step.

NOTE: If "2: NO" is selected, the machine will start copying only one side of the original(s).

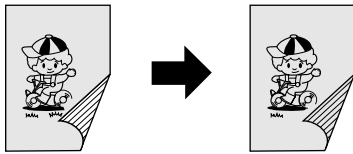
7 Next Original



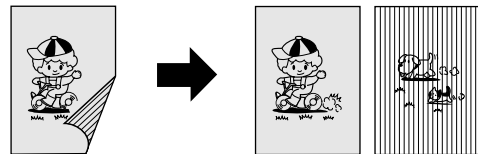
■ 2 → 2 Copy (DP-1820E only), 2 → 1 Copy

Copying 2 → 2 or 2 → 1 Copy with optional ADF (not i-ADF)

2 → 2 Copy 2-Sided → 2-Sided Copy



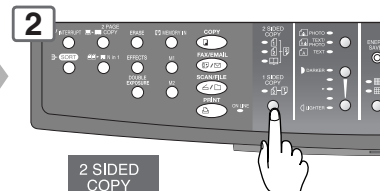
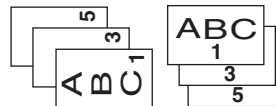
2 → 1 Copy 2-Sided → 1-Sided Copy



1 For ADF only



Odd Number Pages
Long Edge Originals Short Edge Originals



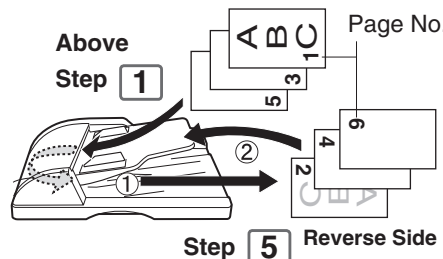
2 2-Sided Original to 2-Sided Copy

2-1 2-Sided Original to 1-Sided Copy

NOTE: When copying 1 → 2 Copy using the optional ADF (not i-ADF), use the same procedure as for the i-ADF above.

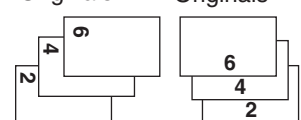
5 SET ORIGINAL ON ADF

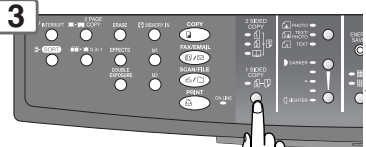
INSERT SECOND SIDE ORIENTATION AS IS

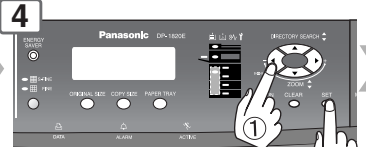


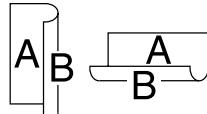
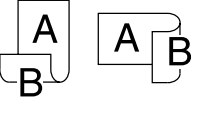
Place the reverse side of the original(s) of step 1 in the order and direction of ejection.

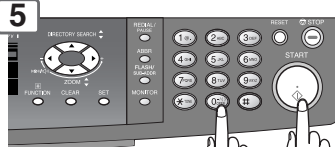
Even Number Pages
Long Edge Originals Short Edge Originals



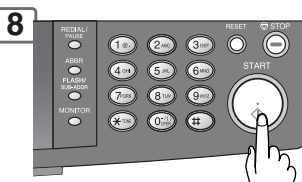
3  **1** 1-Sided Original to 2-Sided Copy
2 2-Sided Original to 2-Sided Copy
2-1 2-Sided Original to 1-Sided Copy

4  **1** **2**
 Bind Position (Select within 10 sec.)
 (For 1 → 2 Copy, 2 → 1 Copy)


 Long Edge
 Short Edge

5  **1** **2**
 Number of Copies (Max. 999)

6 ~ 9 From Platen only.

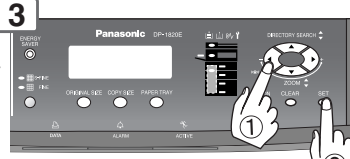
8  **START**

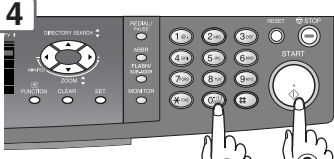
9 The following steps, illustrate how to make multiple copies when the Sort Mode is selected. (See page 36)

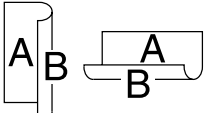
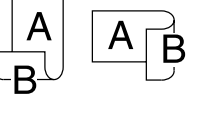
10  **RESET**
 Exits this mode.


ANOTHER ORIGINAL?
 1: YES 2: NO

1: YES → Continues to copy another original, repeat steps 1 and 5-② to step 8.
 2: NO → Starts making copies.

3  **1** **2**

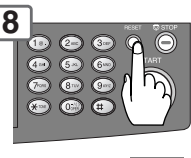
4  **1** **2**
 Bind Position (Select within 10 sec.)
 (For 2 → 1 Copy only)

 Long Edge
 Short Edge

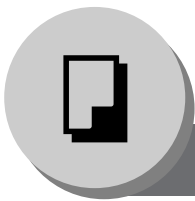
5  **1** **2**
 Number of Copies (Max. 999)

6 **PRESS START TO CONTINUE**

7 **SET ORIGINALS ON ADF**

8  **RESET**
 Exits this mode.

NOTE: If the page count for the Back side does not match the page count for the Front side (i.e. page double-fed) of the 2-Sided originals, a "TOTAL PAGE MISMATCH" will be displayed and all scanned data will be cancelled. If this occurs, restart from Step 1 and Step 4-② to Step 6.



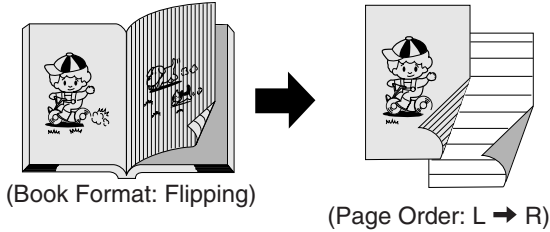
Making Copies

Creative Features

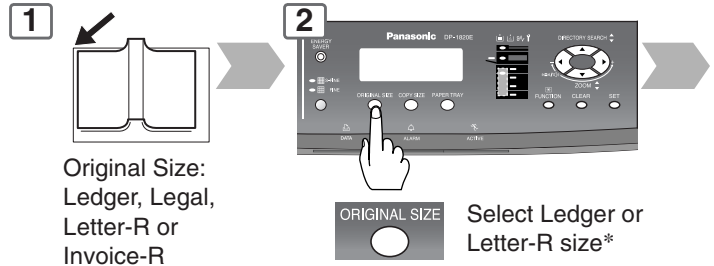
■ Book → 2 Copy (DP-1820E only)

Book → 2-Sided Copy

The book format and page order can be set in the Copier Settings, Parameter No. 14 (BOOK → 2 DEFAULT). (See page 50)



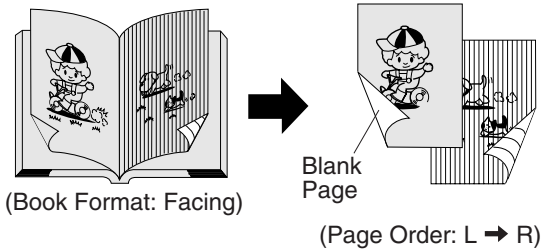
For Book Format is Flipping:



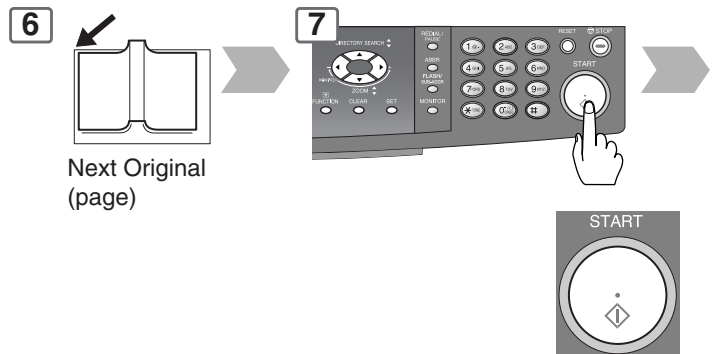
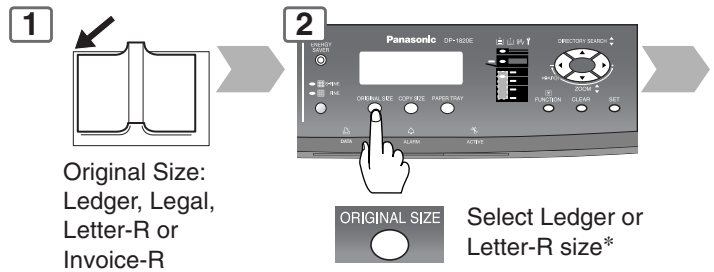
8 The following steps, illustrate how to make multiple copies when the Sort Mode is selected. (See page 36)

ANOTHER ORIGINAL?
1: YES 2: NO

- 1: YES → Continues to copy another original, repeat steps 1 and 4-②.
- 2: NO → Starts making copies.

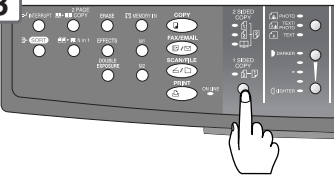
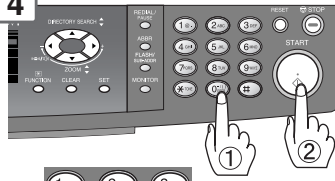



For Book Format is Facing:




NOTE: * If the selected original size is not corrected, book original will not be copied correctly as sample images.

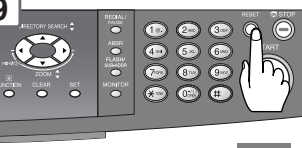
- If the memory overflows while scanning originals, this machine will indicate the error message and stop.


3  **4** 

 Select Book Original to 2-Sided Copy*

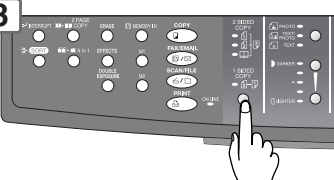
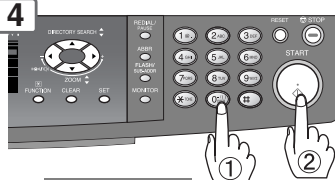
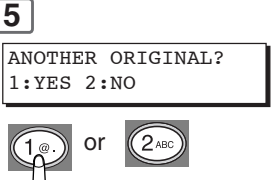
Number of Copies (Max. 999)


5  For Sort Mode only

9 


Exits this mode. 

NOTE: * The copy size will be automatically selected. If the selected paper size is not set into the paper tray(s), set paper on the Sheet Bypass (see page 14) or select another copy size with COPY SIZE Key (See page 25).

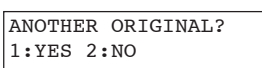
3  **4**  **5** 

 Select Book Original to 2-Sided Copy*


Number of Copies (Max. 999)


6  1: YES
Continues to Copy another page, proceed to step 6
2: NO
Starts making copies

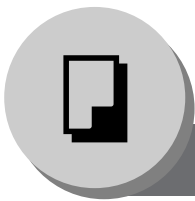
8 The following steps, illustrate how to make multiple copies when the Sort Mode is selected. (See page 36)



1: YES → Continues to copy another original, repeat steps 1 and 4-② to step 7.
2: NO → Starts making copies.

9 

Exits this mode. 



Making Copies

Creative Features

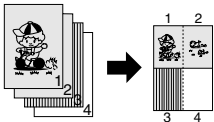
■ N in 1

From two/four 1-Sided originals, side by side, to 1-Sided pages.

● 2 in 1 Copy

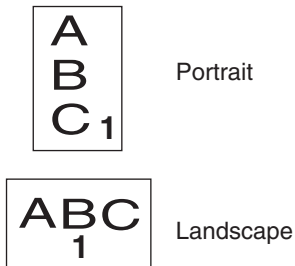


● 4 in 1 Copy



NOTE:

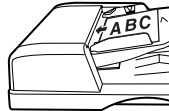
If the original's Orientation is incorrect when N in 1 copy mode is used, the copy sequence may not reproduce properly. If this occurs, change the N in 1 default Orientation in the Copier Settings, Parameter No. 05 (N in 1 DEF.) (See page 49)



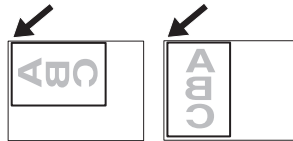
1 For ADF



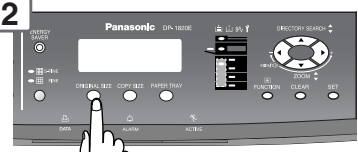
For i-ADF



or



2

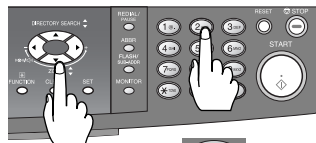


From Platen only

- ORIGINAL SIZE
- LDR : Ledger
 - LGL : Legal
 - LTR : Letter
 - LTR : Letter-R
 - INV : Invoice
 - INV : Invoice-R

5

Nin1 (1-2)
ENTER NO. OR V ^



- or
- 1@ 2 in 1
 - or
 - 2ABC 4 in 1

2 in 1

1:2in1?
PRESS SET TO SELECT

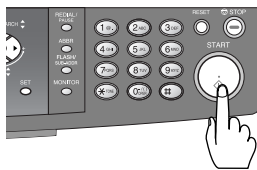
or

4 in 1

2:4in1?
PRESS SET TO SELECT

9

PRESS START TO CONTINUE



10 For 4 in 1 Copy

ANOTHER ORIGINAL?
1: YES 2: NO



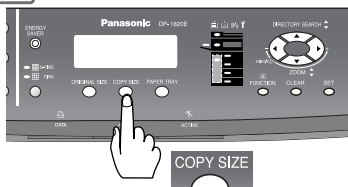
- ① Select "1: YES".
- ② Repeat steps 8 and 9.
- ③ Select "1: YES".
- ④ Repeat steps 8 and 9.

Combination for N in 1 copy operation.

Mode	Originals	Layout
2 in 1		

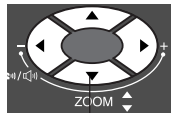
When setting copy ratio manually*

3 For Preset Ratios



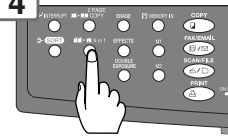
- LDR** : Ledger
- LGL** : Legal
- LTR** : Letter
- LTR** : Letter-R
- INV** : Invoice
- INV** : Invoice-R

For Variable Zoom Ratios



Up to 200% in 1%
Down to 50% in 1%

4



5

NOTE:

* The COPY SIZE/Zoom Ratio is automatically selected when N in 1 Copy Mode is used. You can also adjust the reduction ratio manually if desired.

6



Number of Copies
(Max. 999)



7 Step 7 to 11 for Platen only

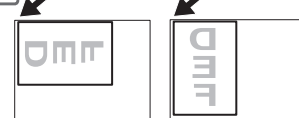
ANOTHER ORIGINAL?
1: YES 2: NO



1: YES
Go to next step.

NOTE: If "2: NO" is selected, the machine will start copying one side of the scanned original.

8



Next Original

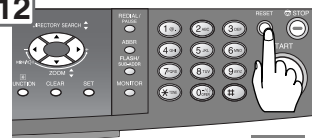
9

11 The following steps, illustrate how to make multiple copies when the Sort Mode is selected. (See page 36)

ANOTHER ORIGINAL?
1: YES 2: NO

- 1: YES → Continues to copy another original, repeat steps 1 and 6-2 to step 9 (10: 4 in 1).
- 2: NO → Starts making copies.

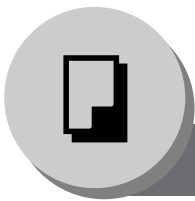
12



Exits this mode.



Mode	Originals	Layout
4 in 1		

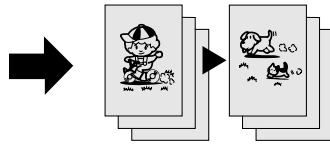
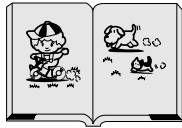


Making Copies

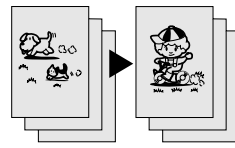
Creative Features

2 Page Copy

Copying two facing pages or a Ledger size original on two separate Letter size sheets.



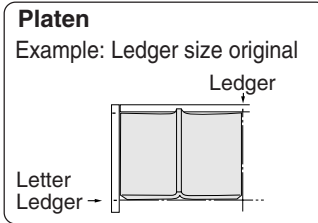
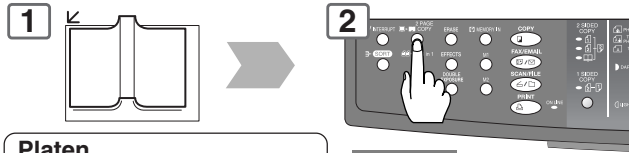
Page Order: L→R
Starts copying from the Left page



Page Order: R→L
Starts copying from the Right page

NOTE:

The page order can be set in the Copier Settings, Parameter No. 16 (2 PAGE MODE DEF.) (See page 50)
Default Page Order: L→R



6 The following steps, illustrate how to make multiple copies when the Sort Mode is selected. (See page 36)

ANOTHER ORIGINAL?
1: YES 2: NO

- 1: YES → Continues to copy another original, repeat steps 1 and 5-②.
- 2: NO → Starts making copies.

Double Exposure

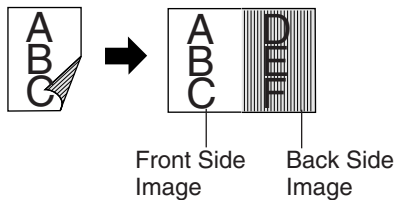
From 2-Sided originals to 1-Sided copies (side-by-side image).

Original Size: Letter or Invoice Copy Size: Letter-R

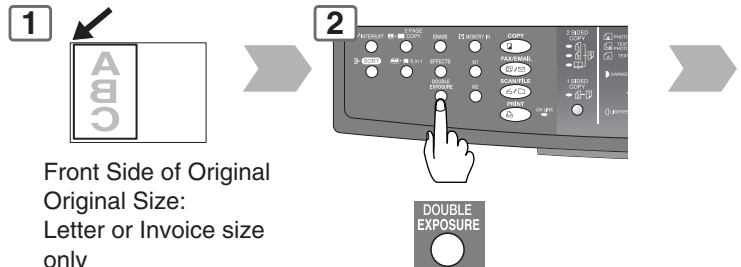
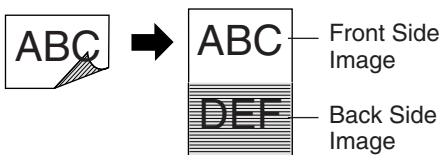
ex. Invoice

NOTE:

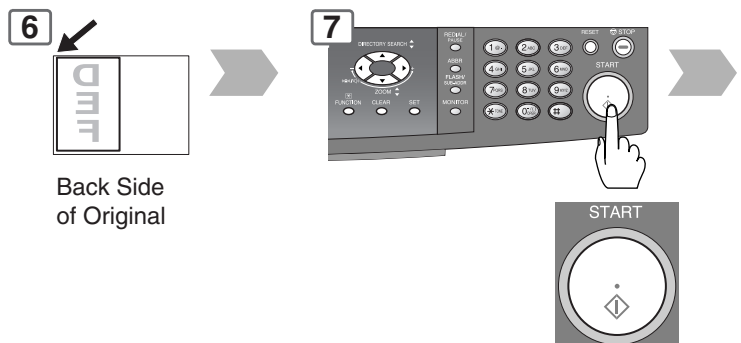
When copying portrait original, set the Portrait in the Copier settings, "1:ORIENTATION of Parameter No. 05 N in 1 DEF." (See page 38)



ex. Invoice-R



Front Side of Original
Original Size: Letter or Invoice size only

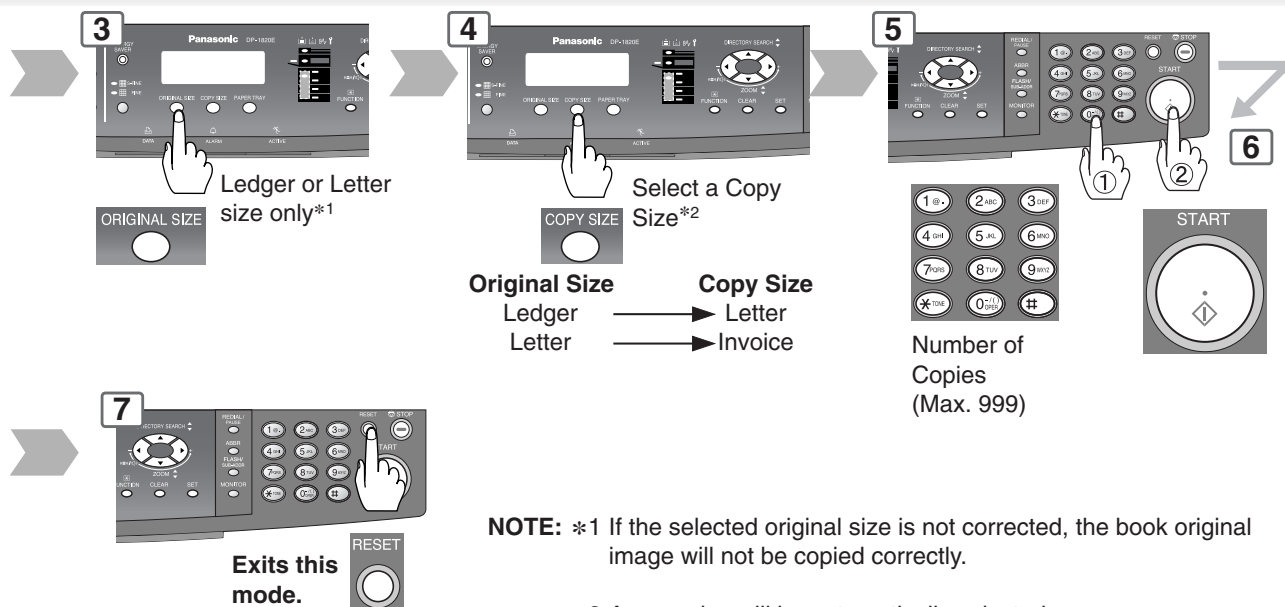


Back Side of Original

NOTE:

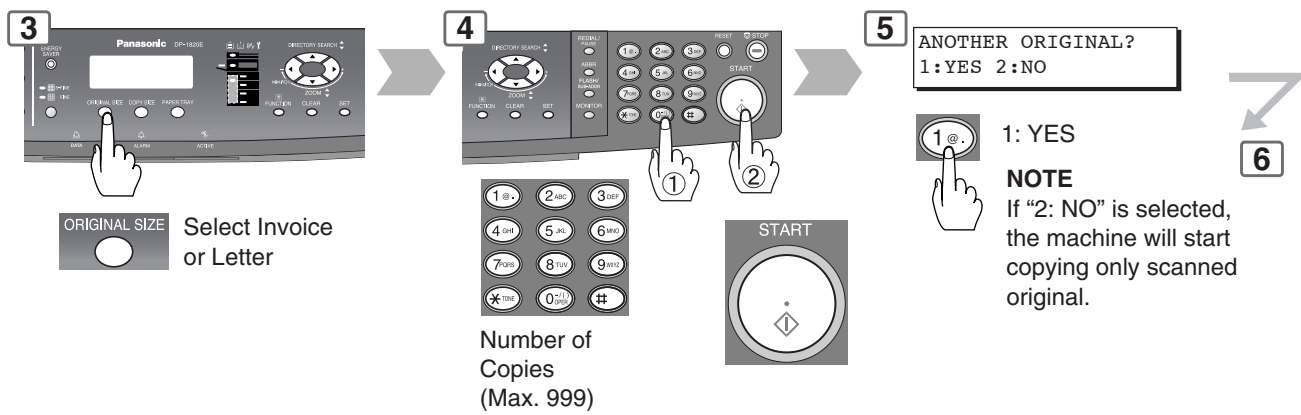
- When opening the Platen Cover or optional ADF/i-ADF
- An incorrect position detection of the original may occur when a strong light shines on the glass during this mode.
- An incorrect exposure may occur when there is a black line at the edge of the original or an image which the machine interprets as a black pattern in this mode.

- The final copy may be affected if colored background original(s) do not have a white edge or if it is less than 2 mm wide.
The default setting of Digital Skyshot Mode should be set to "OFF" in the Copier Settings, Parameter No. 07 (DIGITAL SKYSHOT).



NOTE: *1 If the selected original size is not corrected, the book original image will not be copied correctly.

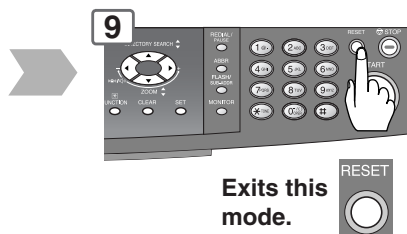
*2 A copy size will be automatically selected. If the selected copy size paper is not set into the paper tray(s), set paper on the Sheet Bypass (see page 14) or select another copy size using the COPY SIZE Key (see page 25).

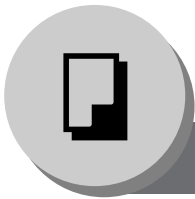


8 The following steps, illustrate how to make multiple copies when the Sort Mode is selected. (See page 36)

ANOTHER ORIGINAL?
1: YES 2: NO

- 1: YES → Continues to copy another original, repeat steps 1 and 4-② to step 7.
- 2: NO → Starts making copies.





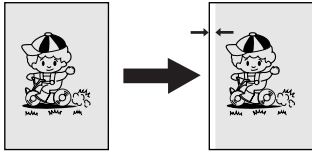
Making Copies

Creative Features

■ Erase (Margin/Edge)

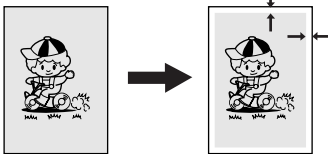
Margin

Shifts image to left, right, top or bottom.*



Edge

Creates a blank edge.*



NOTE:

* Shift position of Margin and blank edge value can be changed with Copier Setting Mode. (See page 49)

1 For ADF
For i-ADF

2

From Platen only

ORIGINAL SIZE

- LDR : Ledger
- LGL : Legal
- LTR : Letter
- LTR : Letter-R
- INV : Invoice
- INV : Invoice-R

6 For Margin
LEFT MARGIN 10mm v^

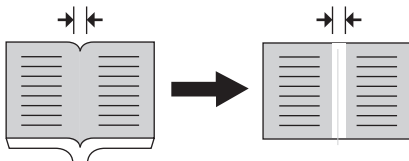
For Edge
EQUAL RATE
VOID MARGIN = 5mm ^

5 - 99 mm

■ Erase (Book)

Book

Eliminates dark inner binding shadows.



1

2

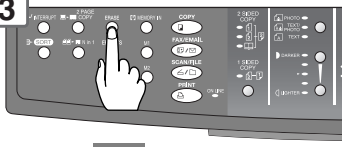
ORIGINAL SIZE

- LDR : Ledger
- LGL : Legal
- LTR : Letter
- LTR : Letter-R
- INV : Invoice
- INV : Invoice-R

6

BOOK MARGIN
CENTER VOID =20mm v^

5 - 99 mm

3  ERASE

This Key will flash.

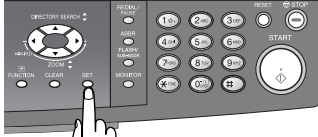
4 ERASE MODE (1-3)
ENTER NO. OR v ^

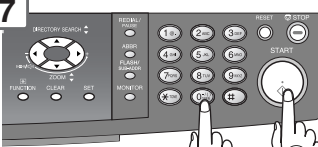
or **1@** : MARGIN
2ABC : EDGE

5 1: MARGIN?
PRESS SET TO SELECT


or

2: EDGE?
PRESS SET TO SELECT

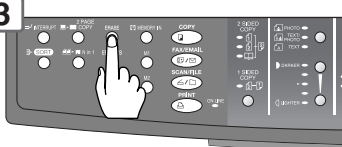
6  ERASE Key will be changed from flashes to lights.

7  **1** **2**

Number of Copies (Max. 999)

8  RESET


Exits this mode.

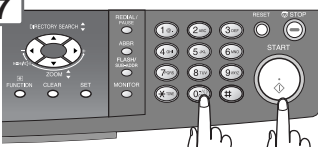
3  ERASE

4 ERASE MODE (1-3)
ENTER NO. OR v ^

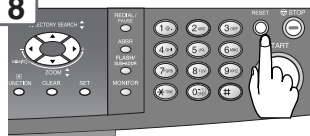
or **3 DEF** : Book

5 3: BOOK?
PRESS SET TO SELECT

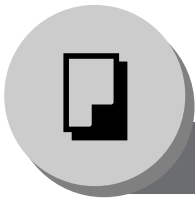
6  SET

7  **1** **2**

Number of Copies (Max. 999)

8  RESET

Exits this mode.



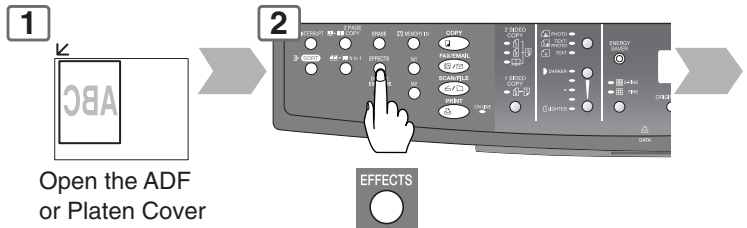
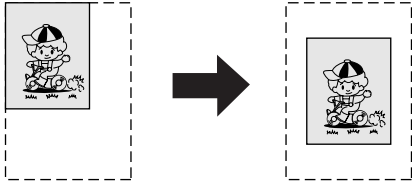
Making Copies

Creative Features

Effects (Centering/Image Repeat)

Centering

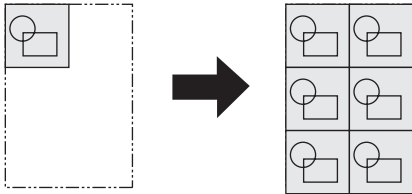
Copy image can be centred automatically on selected paper.



Open the ADF or Platen Cover

Image Repeat

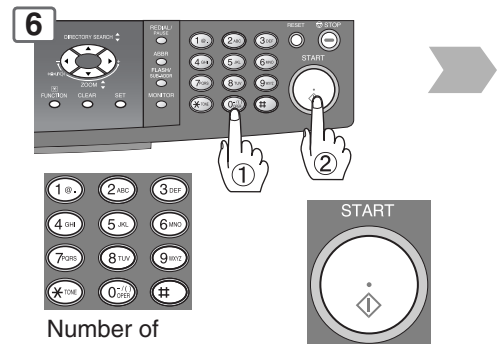
Creates continuous copy image on one sheet. Minimum original size: 20 x 20 mm.



The dotted line can be set to "None" or "Print" by the Copier Settings, Parameter No. 15 (IMAG. REPEAT DOT.) (See page 50).

NOTE:

- The final copy may be affected if colored background original(s) do not have a white edge or if it is less than 2 mm wide.
- The default setting of Digital Skyshot Mode should be set to "OFF" in the Copier Settings, Parameter No. 07 (DIGITAL SKYSHOT).

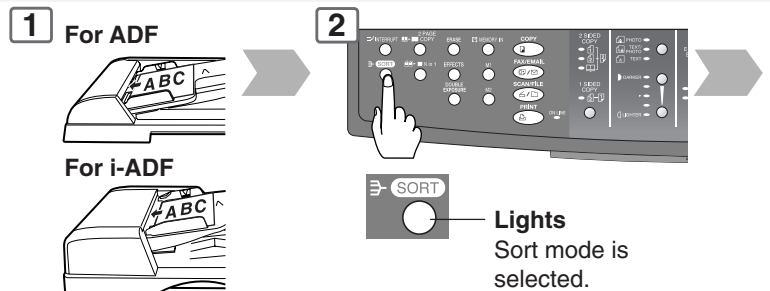
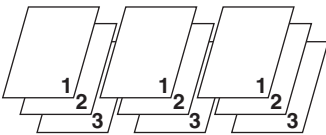


Number of Copies (Max. 999)

Sort

Sort

Multiple copy sets are sorted automatically.

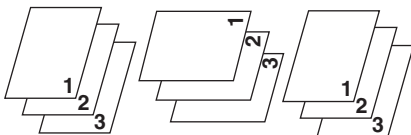


For i-ADF

Lights
Sort mode is selected.

Rotate-Sort

Multiple copy sets are sorted automatically and are stored on the Output Tray in alternate direction (rotate). Initial Sort-Rotate Mode is "1:OFF", this setting can be selected within the Copier's General Settings. (See page 46)



(Available Letter size paper only)

Non-Sort

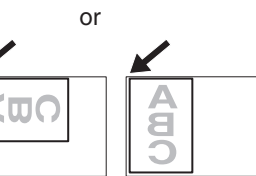
Copy is stored on the Output Tray.

NOTE

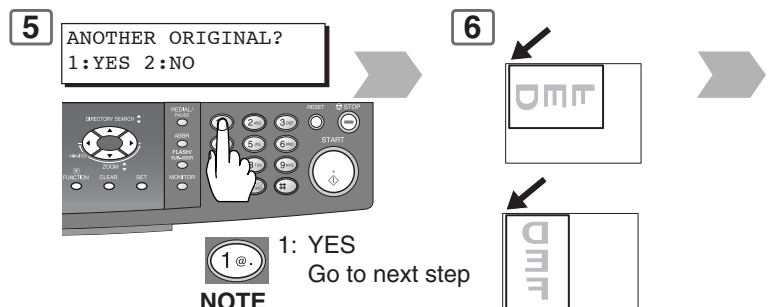
Initial Sort Mode settings can be selected within the Copier Settings, Parameter No. 10 (SORT PRIORITY ADF) or Parameter No. 11 (SORT PRIOR. GLASS). (See pages 49 and 50)

Initial Sort Priority Setting:

For ADF: 2:Sort; For Platen: 1:Non-Sort



Steps 5 to 8 from Platen only



1: YES
Go to next step

NOTE
If "2: NO" is selected, the machine will start copying one side of the original(s).

3 EFFECTS (1-2)
ENTER NO. OR v ^

or

1@ : Centering
2ABC : Image Repeat

4 1: CENTERING?
PRESS SET TO SELECT
or
2: IMAGE REPEAT?
PRESS SET TO SELECT

5 PAPER TRAY
TRAY-1 v ^

6

TRAY-1
TRAY-2
TRAY-3
TRAY-4
BYPASS

7

Exits this mode.

NOTE: Tray-2, 3 and 4 are options. (See page 59)

NOTE: An incorrect position detection of the original may occur when a strong light shines onto the glass during Centering and Image Repeat mode. Also an image which the copier interprets as a black pattern in the Centering and Image Repeat modes.

3

From Platen only

ORIGINAL SIZE

- LDR** : Ledger
- LGL** : Legal
- LTR** : Letter
- LTR** : Letter-R
- INV** : Invoice
- INV** : Invoice-R

4

1@ **2ABC** **3DEF**
4GHI **5JKL** **6MNO**
7PQR **8STU** **9VWX**
***0000** **#**

Number of Copies
(Max. 999)

5 ~ 8

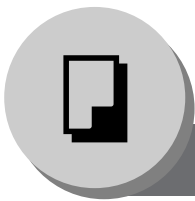
From Platen only

7 PRESS START TO CONTINUE

8 ANOTHER ORIGINAL?
1: YES 2: NO

1@ : YES
Continues to copy another original, repeat steps 1 and 4-2 to step 7.

2ABC : NO
Starts making copies.



Making Copies

Other Features

■ Skyshot Mode

Skyshot allows copying a manuscript without generating dark borders even if the Platen Cover or ADF is opened.

Two types of Skyshot modes can be selected;

Digital Skyshot Mode : The scanning area (size) is not pre-determined.

Manual Skyshot Mode: The scanning area (size) is pre-registered into memory (M1 and M2) in advance.

■ Digital Skyshot Mode

Digital Skyshot allows copying a manuscript without generating dark borders even if the ADF or Platen Cover is open.

The default setting of Digital Skyshot Mode is "NORMAL". This default setting can be changed in the Copier Settings.

(See page 49)

NOTE

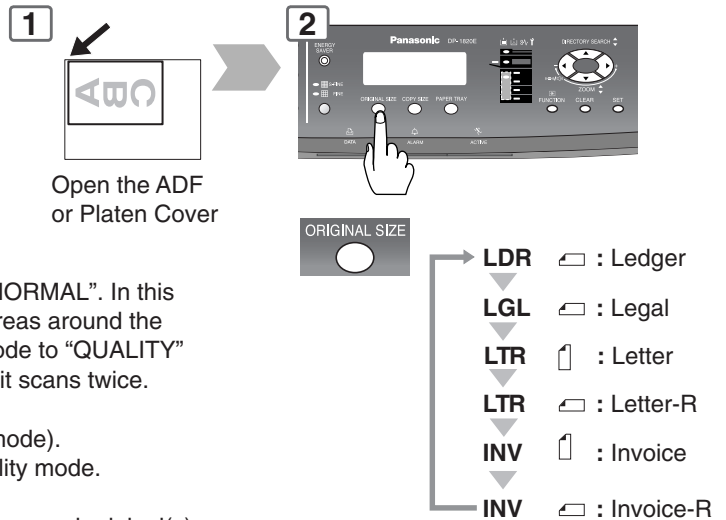
The default setting of Digital Skyshot Mode is "NORMAL". In this setting, the unit scans once. If there are black areas around the borders in the copies, set the Digital Skyshot Mode to "QUALITY" to soften the dark borders. In this setting, the unit scans twice.

OFF : NONE

NORMAL : Default setting (usually select this mode).

QUALITY : For better definition, select the Quality mode.

- The final copy may be affected if colored background original(s) do not have a white edge or if it is less than 2 mm wide. The default setting of Digital Skyshot Mode should be set to "OFF" in the Copier Settings, Parameter No. 07 (DIGITAL SKYSHOT).

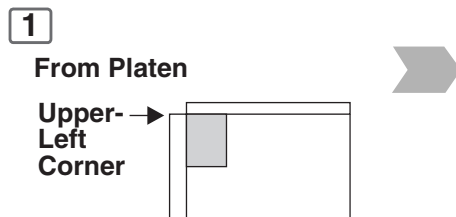


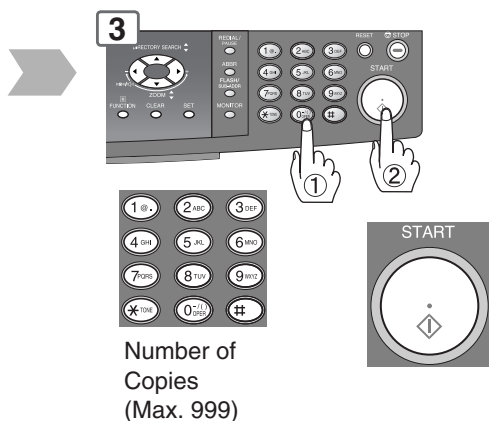
■ Manual Skyshot Mode

Enable the Copier Settings, Parameter No. 08 (MANUAL SKYSHOT) first. (See page 49)

NOTE

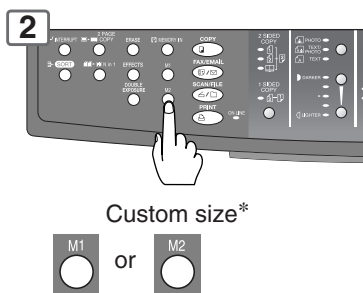
- When using the manual skyshot mode, the M1 and M2 are turned On and other job requiring memory cannot be used.
- An incorrect position detection of the original may occur when a strong light shines onto the glass during the skyshot mode.



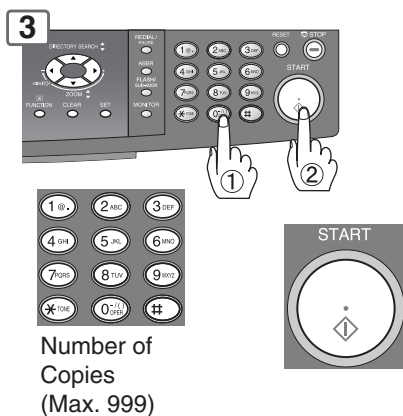


NOTE

- An incorrect position detection of the original may occur when a strong light shines onto the glass during digital skyshot mode.
- An incorrect exposure may occur when there is a black line at the edge of the original or an image which the machine interprets as a black pattern in the digital skyshot mode.



* Default M1/M2 size can be changed by Function mode. (See page 50)





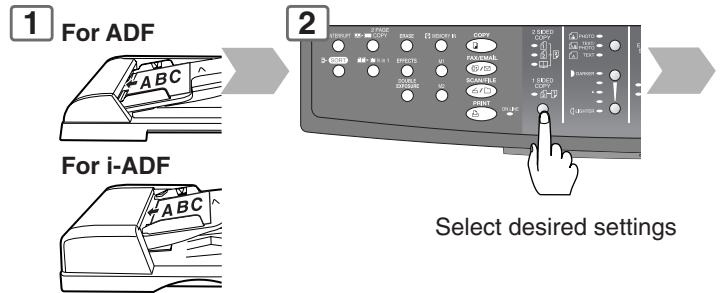
Making Copies

Other Features

Job Build and SADF Mode

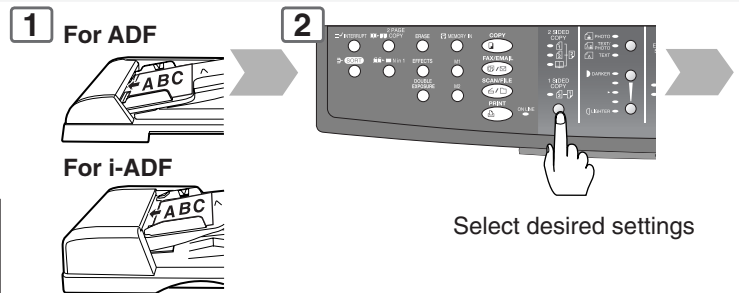
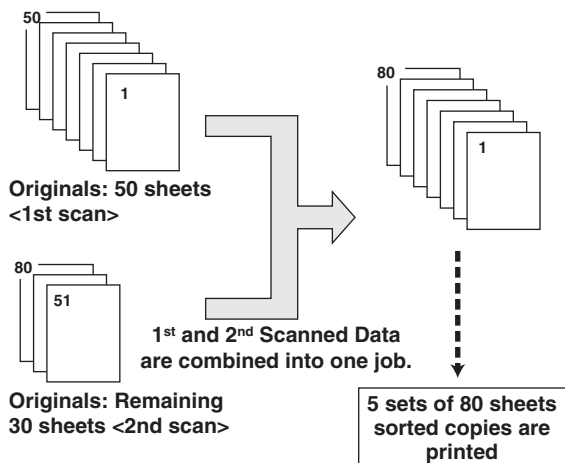
Special originals (like thin paper, etc.) can be fed from the ADF Tray and copied continuously using the Job Build and SADF Mode.

NOTE: Set the Copier Settings, Parameter No. 12 (SADF DEFAULT) to "OFF" position in advance. (See page 51)
Thin paper: minimum 55 g/m²



Place one Original at a time or up to 50* sheets (20 lb)
* 30 sheets/Legal, Ledger

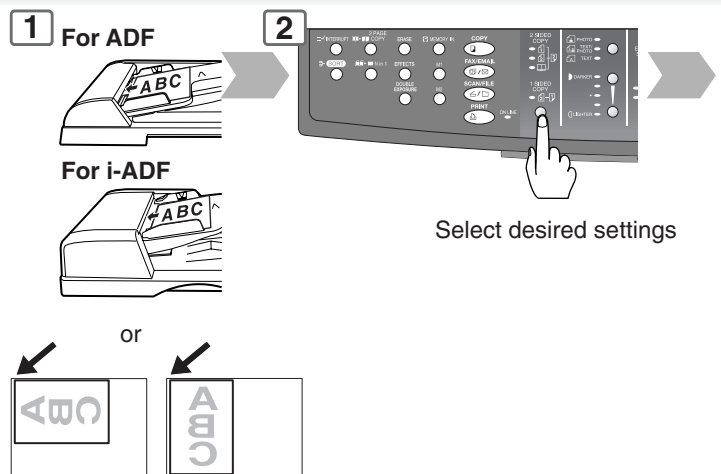
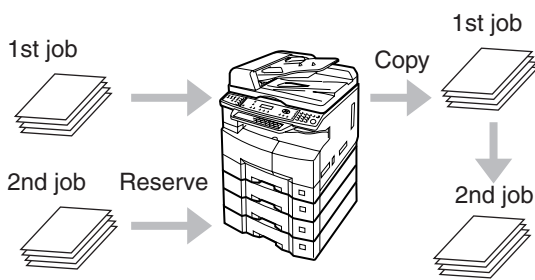
Example: To make 5 sets of sorted copies of 80 sheets of originals. (Letter size)



Place the first 50 sheets of originals on the ADF Tray.

Concurrent Copying

The next copy job can be reserved even if the current copy job is not completed. (Requires the optional Hard Disk Drive and Image Memory (See page 59) to be installed)



NOTE

- Job Build and SADF function cannot be combined with 2 → 1 and 2 → 2.
- Concurrent Copying function cannot be used when the Job Build and SADF function are set to the "ON" position in the Copier Settings, Parameter No. 12 (SADF DEFAULT). (See page 51)

3

Number of Copies
(Max. 999)

4 For ADF
For i-ADF

Place the next original within 5 sec. of last ejected original.

Starts the printing process.

3

Select the Sort mode

Sort
Lights
Sort mode is selected.

4

Number of Copies
(Max. 999)
(ex. 5)

5 For ADF
For i-ADF

Place the next original within 5 sec. of last ejected original.
(30 sheets)

Starts the printing process.
(ex. 5 sets of 80 sheet sorted copies)

3

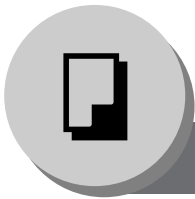
Number of Copies
(Max. 999)

Starts making a copy

4 When starting the printing process:
Set the next copy job, repeat steps 1 to 3.
Next original(s) will be scanned.

- Next Jobs can be reserved (up to 12 jobs).

5 When the 1st copy job is completed, next original(s) will be automatically printed.

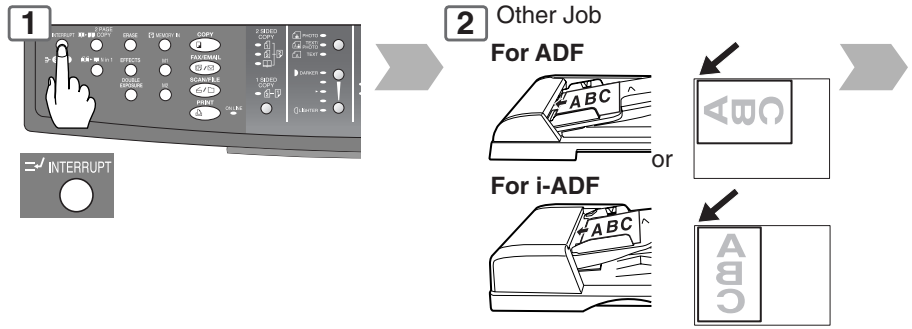


Making Copies

Other Features

Interrupt Mode

This mode interrupts the current running copy job and allows other copy jobs to be processed.



(See pages 24-37)

Energy Saver (Power Saver Mode, Sleep/Shutdown Mode)

These modes save power while the machine is not in use.

Power Saver Mode

To enter

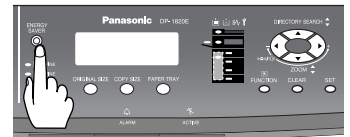


Automatically enters the Power Saver Mode after 10 minutes* from the last job.



Flashes : Power Saver Mode

To exit



ENERGY SAVER or Any Key

Sleep/Shutdown Mode

Automatically enters the Sleep/Shutdown Mode after 10 minutes* from the last job.



Lights : Sleep/Shutdown Mode

NOTE

* To adjust the default Sleep/Shutdown Mode timer, see page 46.

To exit

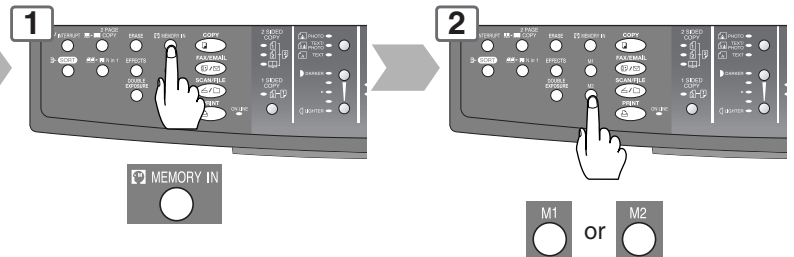


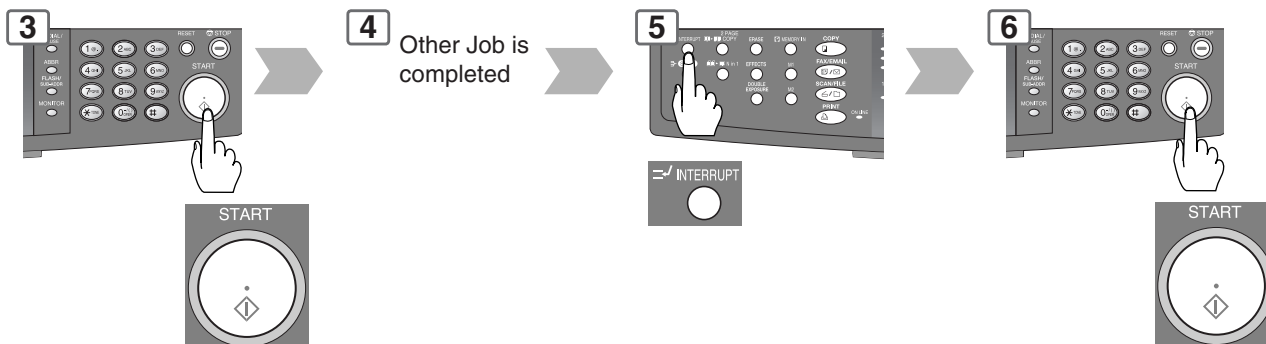
Job Memory

Two Copy Jobs can be stored in Memory (M1 to M2) for recall at a later time.

To store a job in memory

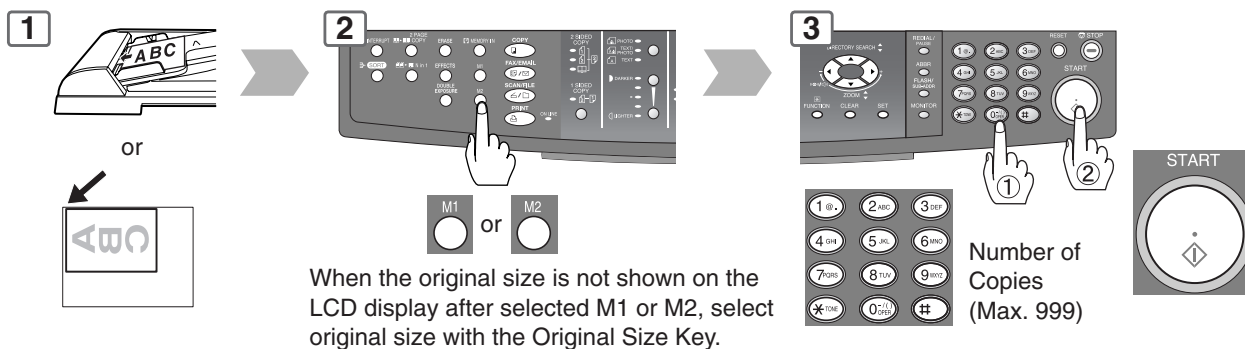
Set up the copy job to be stored. (See pages 24-37)





Modes	Power Consumption	Warm Up Time	Unavailable Functions
Standby	Approx. 120 W	—	—————
Power Saver	Approx. 19.0 W	Approx. 30 sec.	—————
Sleep	Approx. 8.5 W	Approx. 30 sec.	—————
Shutdown	Approx. 1.4 W	Approx. 30 sec.	<ul style="list-style-type: none"> • Printer Function (Local USB and Network Connection) • Internet Fax/Email Function • Facsimile Function (If the LAN Cable is not connected, and the "DHCP DEFAULT" is set to "VALID", while in this mode (Shutdown), the machine will not answer an incoming Fax call) (See page 47)

To recall a job stored in memory



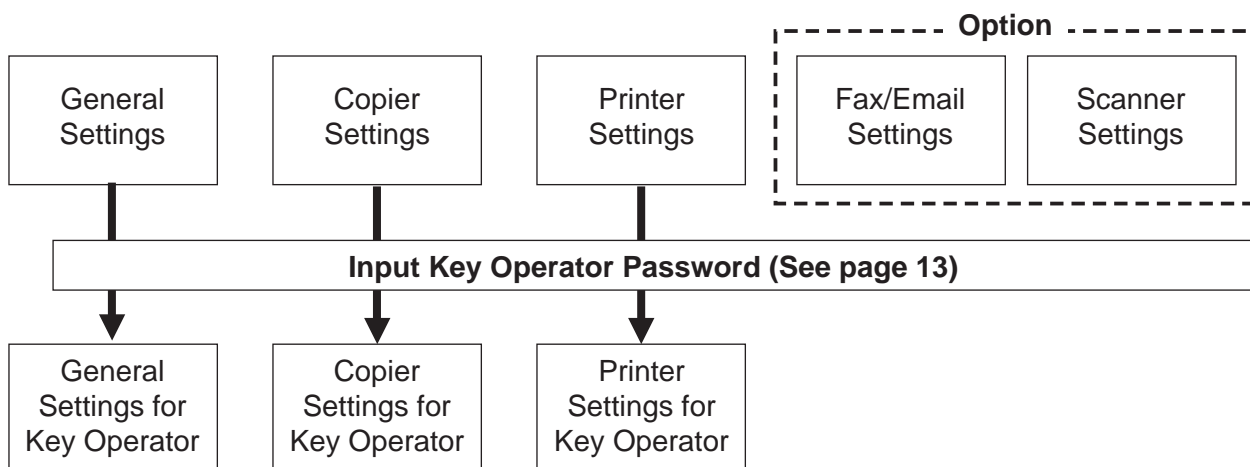
NOTE

- JOB MEMORY mode will not be deleted even if the power switch is turned Off.
- When using the manual skyshot mode, the M1 and/or M2 are turned On and other job requiring memory cannot be used.



Function

■ Using Function Modes to Change the Initial Machine Modes

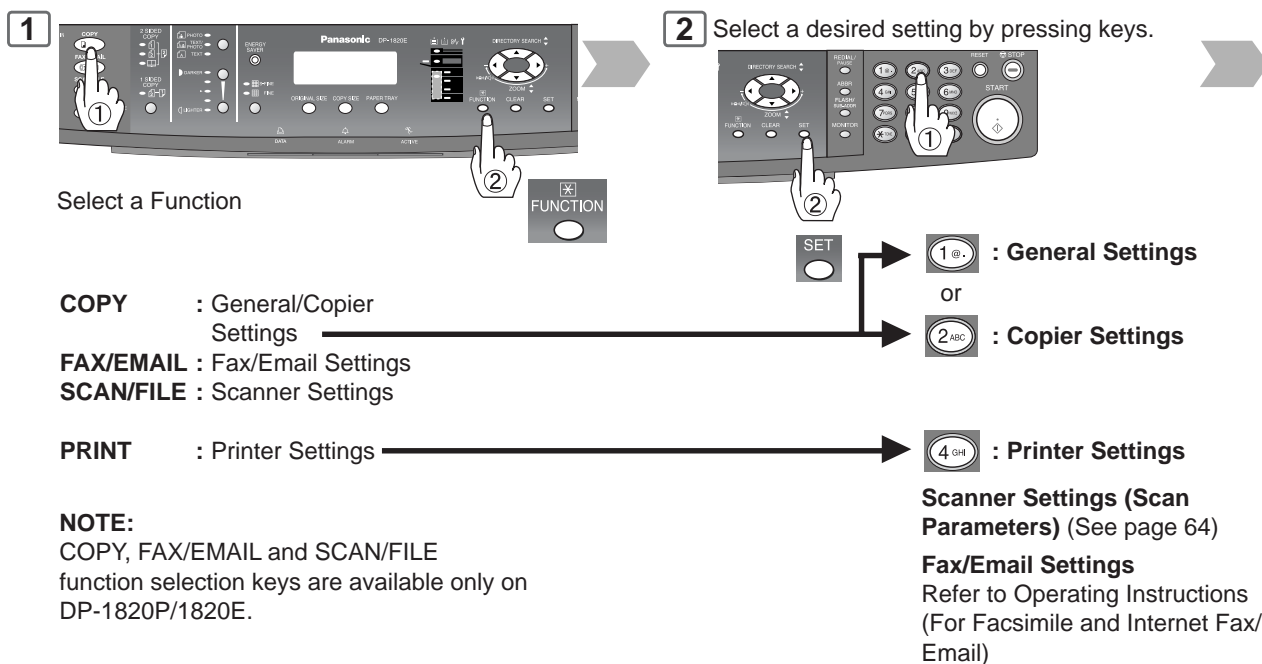


General Settings:

Changing the Initial Machine Modes

- Power On Default Mode, Key Operator Mode, etc. (See page 46)
For Key Operator:
Paper Size, Department Counter, Network TCP/IP settings, etc. (See pages 46 - 48)

■ Procedure



NOTE

- Please refer to the appropriate operating instructions manual for function settings on options.
- Function setting is accessible only when the machine is in Ready Mode.
- Fax/Email and Scanner Settings are only available when optional Network Scanner Module and/or Fax Communication Board or Internet Fax/E-mail Module is installed. (See page 59)

Copier Settings:

Changing the Initial Copy Modes

- Default function of each copy mode.
(See pages 49 and 50)
For Key Operator:
Original mode, Contrast, etc.
(See pages 50 and 51)

Printer Settings:

Changing the Initial Printer Modes

- Default function of each print mode.
(See page 51)
For Key Operator:
Job completion time, Page protection, Error page print, Spool function, PS configuration, Font list print, Mailbox data handling, etc.
(See page 52)
- Normally, you do not need to set the Printer Settings. Special Printer Settings may be required when printing text data directly to the printer from the MS-DOS command prompt.

Scanner Settings:

Changing the Initial Scanner Modes

- Original mode, Compression mode, Resolution, etc.
(See page 53)

Fax/Email Settings:

Changing the Initial Fax/Email Modes

Refer to Operating Instructions (For Facsimile & Internet Fax/Email).

3
Select a mode with the Cursor Key or Keypad

4 Setting the desired Function Parameter(s).

- ① Select a setting with the Keypad.
- ② Confirm a setting with the SET Key.

5

RESET

Exits this Function Mode

When selecting the Key Operator Mode:
(Ex: General Settings)

4
09 KEY OPERATOR MODE
ENTER PASSWORD= _ _ _

SET

Input the Key Operator Password (3-digit)
(See page 13)

5
Set the desired Function Parameter(s).

- ① Select a mode with the Cursor Key or Keypad.
- ② Select a setting with the Keypad.
- ③ Confirm a setting with the SET Key.

6

RESET

Exits this Function Mode



Function

■ General Settings

No.	Modes	Function	Initial Setting
00	POWER ON DEFAULT	Selects the default operation mode. 1: COPY / 2: PRINTER / 3: SCANNER (SCANNER is option, see page 59)	1: COPY
01	SORT MEMORY USAGE	Selects whether to display the amount of sort memory used on the control panel. 1: OFF / 2: DISPLAY	1: OFF
02	DEPT. COUNTER	Displays the Total Copy usage and copy limit of the selected department.	Consult your authorized service provider
03	SORT-ROTATE	Selects the rotate-sort mode. 1: OFF / 2: ON (Available for Letter size paper only)	1: OFF
07	MANUAL ADD TONER	Adds toner manually. PRESS SET TO SELECT	
09	KEY OPERATOR MODE	Inputs the key operator password. ENTER PASSWORD = ■■■■	

NOTE: When inputting the above General Settings numbers, there is no need to input the "0" for the first digit, input only the second number of the two digit display.

The following Parameter Settings require the input of the Key Operator Password:

■ General Settings (For Key Operator)

No.	Modes	Function	Initial Setting
00	GENERAL LIST	Prints the general settings list, and meter count readings. PRESS SET TO PRINT	
01	PAPER SIZE	Selects the Paper Tray and sets the Paper Size. (See page 54) 1: TRAY-1 / 2: TRAY-2 / 3: TRAY-3 / 4: TRAY-4 (TRAY-2 to 4 are option) LETTER <input type="checkbox"/> → LETTER <input type="checkbox"/> → INVOICE <input type="checkbox"/> → A3 <input type="checkbox"/> → B4 <input type="checkbox"/> → A4 <input type="checkbox"/> → A4 <input type="checkbox"/> → B5 <input type="checkbox"/> → B5 <input type="checkbox"/> → A5 <input type="checkbox"/> → A5 <input type="checkbox"/> → FLS1 <input type="checkbox"/> → FLS2 <input type="checkbox"/> → LEDGER <input type="checkbox"/> → LEGAL <input type="checkbox"/> →	
03	AUTO RESET TIME	Selects the Control Panel reset time. 1: OFF / 2: 30 sec / 3: 1 min. / 4: 2 min. / 5: 3 min. / 6: 4 min.	3: 1 min.
04	ENERGY SAVER MODE	Sets the Energy Saver mode and time. 1: INVALID / 2: POWER SAVER / 3: SLEEP / 4: SHUTDOWN Power Saver mode timer: 1-240 min. Sleep/Shutdown mode timer: 1-240 min.	3: SLEEP 10 min.
05	ENERGY SAVER TIME	Sets the Energy Saver Timer (Sleep or Shutdown mode). Start (ON) : 00:00 End (OFF) : 00:00 Input the Start and End time with Cursor Keys and Keypad. Once you set the above timer, the set timer repeats everyday.	Start 00:00 End 00:00
06	LANGUAGE DEFAULT	Selects the default message language for the display. 1: A-ENGLISH / 2: C-FRENCH / 3: SPANISH	1: A-ENGLISH
07	SPECIAL TRAY 1	Selects the paper tray to use for special paper. 1: NONE / 2: TRAY-1 / 3: TRAY-2 / 4: TRAY-3 / 5: TRAY-4 / 6: BYPASS (Only available when optional TRAY-2 and 3/4 are installed. see page 59)	1: NONE

■ General Settings (For Key Operator) (Continued)

No.	Modes	Function	Initial Setting
08	SPECIAL TRAY 2	Selects the paper tray to use for special paper. 1:NONE / 2:TRAY-1 / 3:TRAY-2 / 4:TRAY-3 / 5:TRAY-4 / 6:BYPASS (Only available when optional TRAY-2 and 3/4 are installed. see page 59)	1:NONE
09	KEY/TOUCH BEEP	Selects the default key sound level. 1:OFF / 2:SOFT / 3:LOUD	2:SOFT
10	BYPASS SET BEEP	Selects whether to sound a Beep when paper is set on the Sheet Bypass. 1:INVALID / 2:VALID	1:INVALID
11	ORIG.SET BEEP ADF	Selects whether to sound a Beep when paper is placed on the ADF. 1:INVALID / 2:VALID	2:VALID
12	PAPER OUT ROTATE	Machine will automatically rotate the image to accommodate the orientation of the paper in another Tray and print when the selected Tray is empty. 1:OFF / 2:ON	1:OFF
13	DEPT. COUNTER MODE	Monitors the copy usage of each department. 1:TOTAL COUNTER 2:DEPT. COUNTER 3:DEPT. COUNTER LIST	Consult your authorized service provider
16	LANGUAGE PRIORITY	Selects whether to enable the language selection menu to display when the machine comes out of the Energy Saver Mode, or when the RESET button is pressed once. 1:OFF / 2:ON	1:OFF
17	DATE & TIME	Sets the date and time. (Month, Day, Year, Time) Input the date and time with Cursor Keys and Keypad.	
18	DAYLIGHT TIME	Selects whether to enable the daylight time feature. 1:INVALID / 2:VALID	2:VALID
19	IP ADDRESS (DHCP)*1,*2	Displays the IP Address which was reserved by DHCP server.	
20	SUBNET MASK(DHCP)*1,*2	Displays the Subnet Mask Address which was reserved by DHCP server.	
21	DEF. G/W IP(DHCP)*1,*2	Displays the Gateway IP Address which was reserved by DHCP server.	
22	DHCP DEFAULT*3	Selects whether to enable the DHCP. 1:INVALID / 2:VALID	2:VALID
23	DNS SERVER ADDR.*2	Selects whether to enable the DNS Server, and sets its settings for Internet Fax/Email Function. 1:INVALID 2:VALID <Sub-Function> 1:HOST NAME / 2:DOMAIN NAME / 3:PRI. DNS SERVER (IP ADDRESS1) / 4:SEC. DNS SERVER (IP ADDRESS2)	2:VALID
24	MAC ADDRESS	Indicates the MAC address.	

<to be continued>

- NOTE**
- *1 When setting other than DHCP server Network settings, Parameter No. 22 (DHCP DEFAULT) should be set to "INVALID" first, then setup Parameters No.19 to 21.
 - *2 When Parameters No. 19 to 23 (except 22) and No. 23 are set, cycle the power by turning the Power Switch on the Right Side of the machine OFF and ON.
 - *3 When not connecting to LAN, the setting of DHCP should be on INVALID. When the setting of DHCP is on VALID, and the machine is in Shutdown Mode, the machine will not answer an incoming Fax call.



Function

■ General Settings (For Key Operator) (Continued)

No.	Modes	Function	Initial Setting
25	HARD DISK FORMAT* ¹	Formats the hard disk. PRESS SET TO START	
26	HARD DISK ERR CHK* ¹	Selects the provision for the hard disk error check. PRESS SET TO START	
27	ABBR GROUP ID	Inputs the Group ID for the address book. 0-99	0
28	COMMUNITY NAME(1)* ²	Selects whether to change the Community Name(1) SNMP. Enable read only	public
29	COMMUNITY NAME(2)* ²	Selects whether to change the Community Name(2) SNMP. Enable read/write	public
30	DEVICE NAME* ²	Inputs the device name when required. (For Status Monitor/EtherTalk Machine Name)	
31	DEVICE LOCATION* ²	Inputs the device location when required. (For Status Monitor)	

NOTE *1 Available only when the optional Hard Disk Drive Unit is installed.

*2 When Parameters No. 28 to 31 are set, cycle the power by turning the Power Switch on the Right Side of the machine OFF and ON.

■ Copier Settings

No.	Modes	Function	Initial Setting																
00	MARGIN DEFAULT	Selects the margin shift value. 1:POSITION / 2:VALUE <Sub-Function> 1:LEFT / 2:RIGHT / 3:TOP / 4:BOTTOM Procedure: Select "1:POSITION" and select a Margin position then, select "2:VALUE" and input a shift value with Keypad.	1:LEFT 10 mm																
01	EDGE DEFAULT	Selects the edge width. 1:EQUAL RATE (X & Y) / 2:INDIVIDUAL Procedure: Select "1:EQUAL RATE (X & Y)" or "2:INDIVIDUAL" then, input a edge value with Keypad. EQUAL RATE (X & Y): same edge value INDIVIDUAL: different edge values (X and Y)	1:EQUAL RATE 5 mm																
02	BOOK MARGIN DEF.	Selects the book void width. 5 - 99 mm	20 mm																
03	FRAME MARGIN	Select whether to set the frame margin. 1:INVALID / 2:VALID	1:INVALID																
04	2-SIDED MODE DEF.	Selects the default duplex priority mode. 1:OFF / 2:1→2 / 3:2→2 / 4:BOOK→2	1:OFF																
05	N in 1 DEF.	Selects the N in 1 default mode. Procedure: Select a Function (ex: ORIENTATION) then, select a Sub-Function (ex: PORTRAIT) 1:ORIENTATION Select from the following original sizes: Ledge (☐), Legal (☐), Letter (☐), Letter-R (☐), Invoice (☐) or Invoice-R (☐). <Sub-Function> 1:PORTRAIT / 2:L-SCAPE 2:LAYOUT <Sub-Function> 1:2 in 1 / 2:4 in 1 <Sub-Function: 2in1> 1:L→R / 2:R→L <Sub-Function: 4in1> 1: <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>1</td><td>2</td></tr><tr><td>3</td><td>4</td></tr></table> / 2: <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>1</td><td>3</td></tr><tr><td>2</td><td>4</td></tr></table> / 3: <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>2</td><td>1</td></tr><tr><td>4</td><td>3</td></tr></table> / 4: <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>3</td><td>1</td></tr><tr><td>4</td><td>2</td></tr></table>	1	2	3	4	1	3	2	4	2	1	4	3	3	1	4	2	1:ORIENTATION <Sub-Function> For Ledger/ Letter-R/Invoice 2:L-SCAPE For Legal/Letter 1:PORTRAIT 2:LAYOUT <Sub-Function> 1:2 in 1 <Sub-Function> 1:L→R
1	2																		
3	4																		
1	3																		
2	4																		
2	1																		
4	3																		
3	1																		
4	2																		
06	N in 1 WITH FRAME	Selects whether to enable the edge deletion. 1:INVALID / 2:VALID	1:INVALID																
07	DIGITAL SKYSHOT	Selects the default digital skyshot mode. 1:OFF / 2:NORMAL / 3:QUALITY	2:NORMAL																
08	MANUAL SKYSHOT	Selects whether to enable the Manual Skyshot. 1:OFF / 2:M1 ON / 3:M2 ON / 4:M1,M2 ON	1:OFF																
09	AUTO EXPOSURE	Selects whether the auto exposure is enabled. 1:INVALID / 2:VALID	2:VALID																
10	SORT PRIORITY ADF	Selects the sort priority when using the ADF. 1:NON-SORT / 2:SORT	2:SORT																

<to be continued>



Function

■ Copier Settings (Continued)

No.	Modes	Function	Initial Setting
11	SORT PRIOR. GLASS	Selects the sort priority when using the Platen. 1:NON-SORT / 2:SORT	1:NON-SORT
12	1→2 BINDING DEF.	Selects the binding location for 1→2 Copy. 1:LONG EDGE / 2:SHORT EDGE	1:LONG EDGE
13	2→1 BINDING DEF.	Selects the binding location for 2→1 Copy. 1:LONG EDGE / 2:SHORT EDGE	1:LONG EDGE
14	BOOK → 2 DEFAULT	Selects the page layout of the Book→2 copy. 1:BOOK FORMAT <Sub-Function> 1:FACING / 2:FLIPPING 2:PAGE ORDER <Sub-Function> 1:L→R / 2:R→L	1:BOOK FORMAT 2:FLIPPING 2:PAGE ORDER 1:L→R
15	IMAG. REPEAT DOT.	Selects whether to print the dotted line. 1:NONE / 2:PRINT	2:PRINT
16	2 PAGE MODE DEF.	Selects the page order of 2 page copy. 1:L→R / 2:R→L	1:L→R
19	KEY OPERATOR MODE	Inputs the key operator password. ENTER PASSWORD = ■■■■	

The following Parameter Settings require the input of the Key Operator Password:

■ Copier Settings (For Key Operator)

No.	Modes	Function	Initial Setting
00	COPY SETTING LIST	Prints the copier settings list. PRESS SET TO PRINT	
01	ORIGINAL (HOME)	Selects the halftone default setting. 1:TEXT / 2:TEXT/PHOTO / 3:PHOTO	2:TEXT/PHOTO
02	TEXT CONTRAST	Selects the default contrast setting for the Text mode. 1-5	3
03	T/P CONTRAST	Selects the default contrast setting for the Text/Photo mode. 1-5	3
04	PHOTO CONTRAST	Selects the default contrast setting for the Photo mode. 1-5	3
05	MAX. COPY SETTING	Select the maximum number of copies allowed per job. 1-999	999
06	M1,SIZE	Inputs the frequently used size in job memory 1. Procedure: Input X size (5 - 432) and press SET Key then, input Y size (5 - 297) with Keypad.	70 x 160 mm
07	M2,SIZE	Inputs the frequently used size in job memory 2. Procedure: Input X size (5 - 432) and press SET Key then, input Y size (5 - 297) with Keypad.	95 x 220 mm
08	MEM. FULL ACTION	Selects the action to take during memory full condition. 1:PRINT / 2:CANCEL	1:PRINT
09	TONER SAVE (TEXT)	Selects the Toner Save Level to use for the Text mode. 1:NONE / 2:LEVEL1 / 3:LEVEL2	1:NONE

No.	Modes	Function	Initial Setting
10	TONER SAVE (T/P)	Selects the Toner Save Level to use for the Text/Photo mode. 1:NONE / 2:LEVEL1 / 3:LEVEL2	1:NONE
11	TONER SAVE (PHOTO)	Selects the Toner Save Level to use for the Photo mode. 1:NONE / 2:LEVEL1 / 3:LEVEL2	1:NONE
12	SADF DEFAULT	Selects whether the Job Build and SADF Mode is enabled. 1:OFF / 2:ON	1:OFF

■ Printer Settings

No.	Modes	Function	Initial Setting
00	NUMBER OF PRINTS	Sets the default number of prints. 1-999	1
01	PAPER SIZE	Sets the default paper size setting. LETTER / INVOICE / FLS1 / FLS2 / A3 / B4 / A4 / B5 / A5 / LEDGER / LEGAL	LETTER
02	PAPER TRAY	Sets the default Paper Tray selection. Auto / BYPASS / TRAY-1 / TRAY-2 / TRAY-3 / TRAY-4	Auto
03	PRINT DIRECTION	Sets the default print orientation setting. 1:PORTRAIT / 2:L-SCAPE	1:PORTRAIT
04	PRINT DATA	Determines the provision of the print data. PRESS SET TO PRINT	
05	2-SIDED PRINT	Selects whether the 2-Sided print setting is enabled. 1:OFF / 2:ON	1:OFF
06	BIND POSITION	Sets the default bind position. 1:LONG EDGE / 2:SHORT EDGE	1:LONG EDGE
07	RESOLUTION	Sets the default resolution setting. 1:300dpi / 2:600dpi / 3:1200dpi	2:600dpi
08	FONT (PCL)* ¹	Sets the default PCL font. 0-99	0
09	SYMBOL TABLE (PCL)* ¹	Sets the default PCL symbol table. 0-35	11
10	PITCH (PCL)* ¹	Sets the default PCL pitch. 0.44-99.99	10.00
11	POINT SIZE (PCL)* ¹	Sets the default PCL point size. 4.00-999.75	12.00
12	LINES/PAGE (PCL)* ¹	Sets the default PCL lines/page. 5-128	60
13	RETURN CHARACTER (PCL)* ¹	Sets the default PCL return character. 1:CR / 2:CR+LF	1:CR
14	MUTUAL A4/LETTER	Selects whether the mutual size A4/LETTER is enabled. 1:OFF / 2:ON	1:OFF
15	MAILBOX MEMORY* ²	Indicates the mailbox memory status. PRESS SET TO SELECT	
19	KEY OPERATOR MODE	Inputs the key operator password. ENTER PASSWORD = ■■■	

*1 Available only when the optional Printer Controller Module is installed.

*2 Available only when the optional Hard Disk Drive Unit is installed.



Function

The following Parameter Settings require the input of the Key Operator Password:

■ Printer Settings (For Key Operator)

No.	Modes	Function	Initial Setting
00	PRINTER SETTINGS	Prints the printer settings. PRESS SET TO PRINT	
01	COMPLETION TIME	Sets the job completion time setting. 1-999SEC	180SEC
02	PAGE PROTECTION	Selects whether to enable automatic compression when the received data exceeds the page memory capacity. (This is accomplished by reducing resolution, and/or deleting pixels to fit the data onto the available page memory, then print it out.) When the setting is in the "OFF" position, upon exceeding the page memory capacity, the print job is deleted and an Error message is displayed. 1:OFF / 2:ON	1:OFF
03	ERROR PAGE PRINT	Selects whether to print the error page. 1:OFF / 2:ON	2:ON
04	SPOOL FUNCTION	Selects whether to enable the spool function. 1:OFF / 2:ON	2:ON
05	TEXT PRINT	Selects whether to print the text page only. 1:OFF / 2:ON	2:ON
06	PS CONFIGURATION* ¹	Prints the PS configuration page. PRESS SET TO PRINT	
07	FONT LIST PRINT (PCL)* ²	Prints the PCL font list. PRESS SET TO PRINT	
08	FONT LIST PRINT (PS)* ¹	Prints the PS font list. PRESS SET TO PRINT	
09	MAILBOX DATA HOLD* ³	Selects the automatic holding time frame for the mailbox data. Infinity / 1 DAY / 2 DAYS / 3 DAYS / 4 DAYS / 5 DAYS / 6 DAYS / 7 DAYS	7 DAYS
10	DELETE MAILBOX* ³	Selects whether to delete All the mailbox data or only the data Before the time frame selected in the "09 Mailbox Data Hold" setting. 1:ALL / 2:BEFORE	
11	PRINT QUEUE DEL	Selects whether to disable the Key Operator's Password (authorization) requirement to delete the print queue. 1:FREE / 2:KEY OP. (Operator)	2:KEY OP.
12	APPLETALK ZONE* ¹	Inputs a AppleTalk zone name.	

*1 Available only when the optional Multi Page Description Language Controller Module is installed.

*2 Available only when the optional Printer Controller Module is installed.

*3 Available only when the optional Hard Disk Drive Unit is installed.

■ Scanner Settings (Scan Parameters)

No.	Modes	Function	Initial Setting
00	SCANNER SETTINGS	Prints the scanner settings. PRESS SET TO PRINT	
01	ORIGINAL MODE	Selects the default Halftone setting for the originals. 1:TEXT / 2:TEXT/PHOTO / 3:PHOTO	2:TEXT/PHOTO
02	COMPRESSION MODE	Selects the default compression mode setting. 1:MH / 2:MR / 3:MMR / 4:JBIG	4:JBIG
03	RESOLUTION	Sets the default resolution setting. 1:STANDARD / 2:FINE / 3:S-FINE	3:S-FINE
04	BIND POSITION	Selects the default bind position of 2-Sided original.*1 (See below) 1:LONG EDGE / 2:SHORT EDGE	1:LONG EDGE
05	FILE TYPE/NAME	Selects the default File Type format. 1:TIFF / 2:PDF	1:TIFF
06	CHANGE KEYBOARD	Selects the Keyboard Type when One Touch Sheet is changed on the Keyboard*2 1:QWERTY / 2:QWERTZ / 3:AZERTY	1:QWERTY

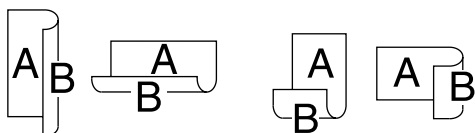
*1 When scanning the 2-Sided original, use the optional i-ADF.

*2 When the optional Keyboard (DA-KB180) is installed.

<Bind Position of 2-Sided Original>

Long Edge

Short Edge



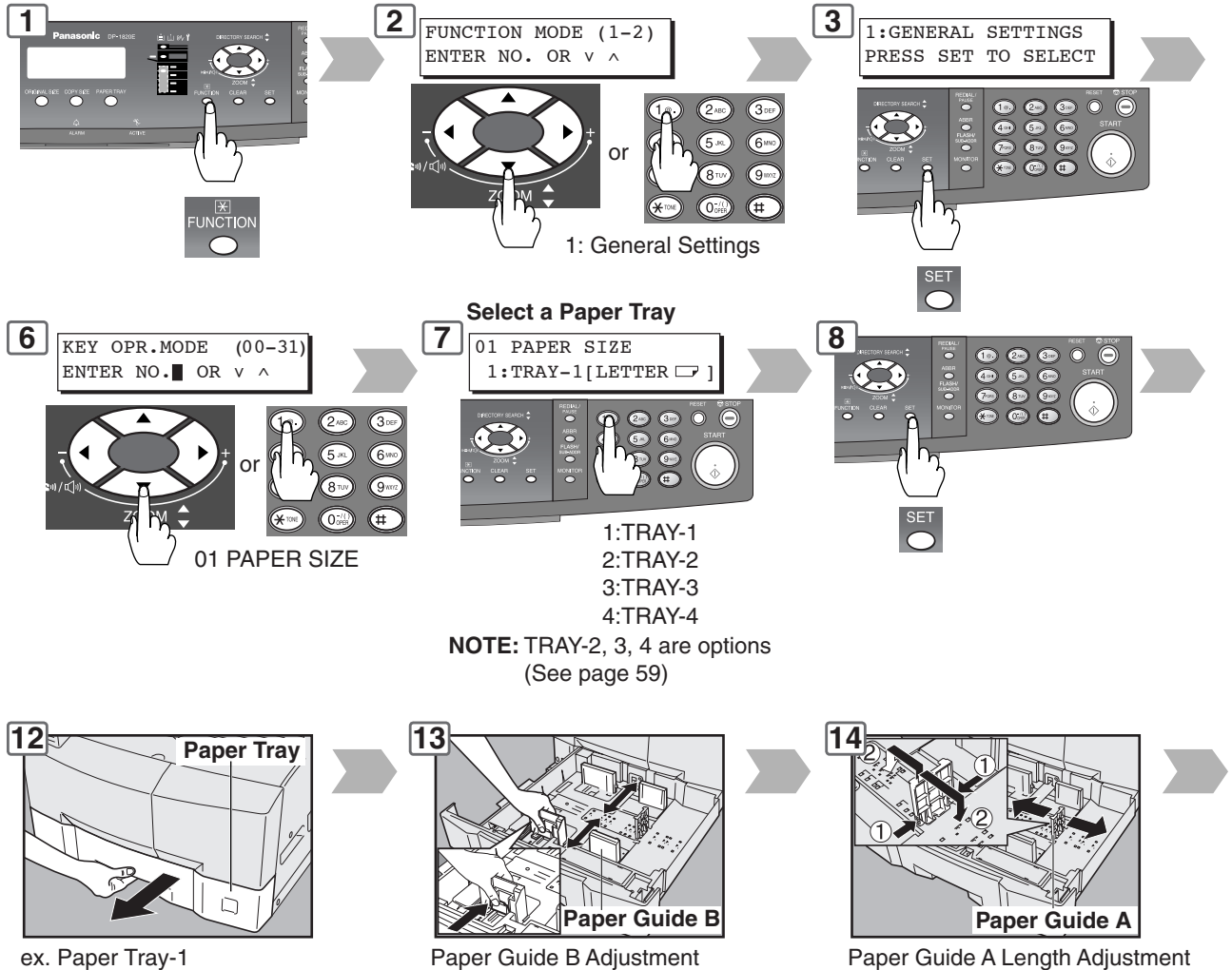


Function

For Example

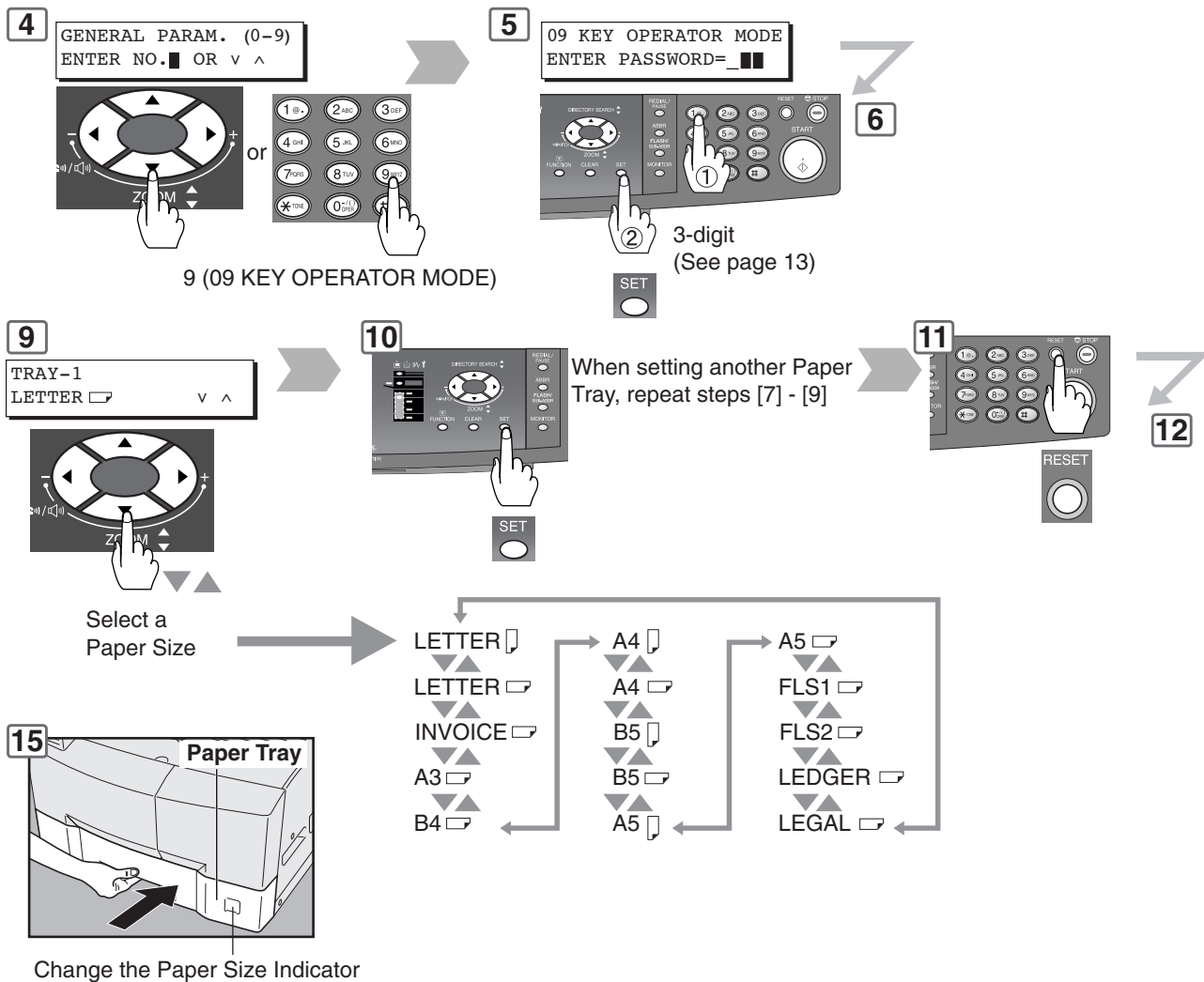
■ Changing the Paper Size (Paper Tray)

The Paper Trays are designed to accommodate Invoice, Letter, and Legal Size paper.



NOTE

It is recommended that the paper guide B is fixed in place with a screw, consult your authorized service provider for details on how to fasten the guide.





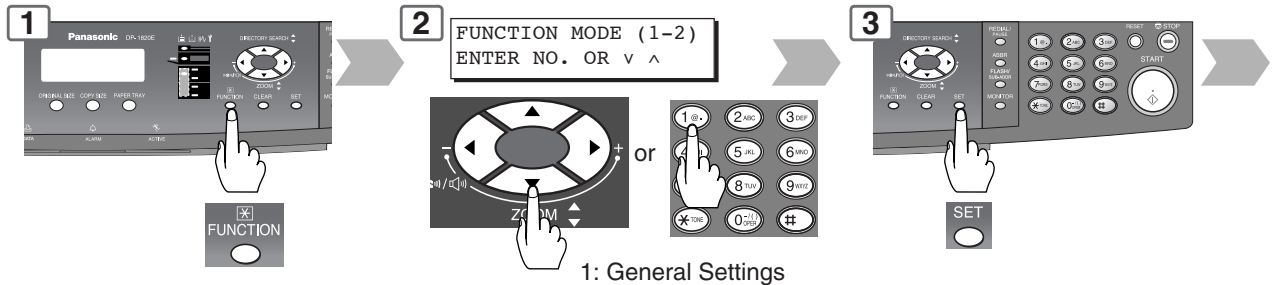
Function

For Example

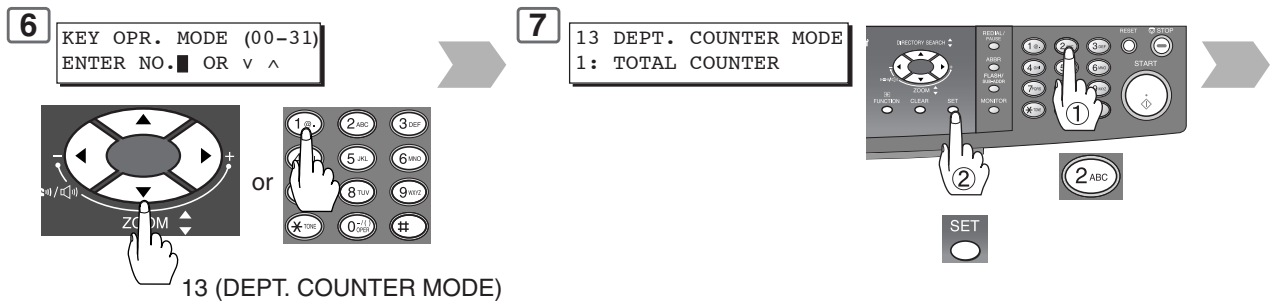
Department Counter

The Department Counter feature can limit the number of copies, administer counters and Identification Code numbers for each department. (Maximum Number of Departments: 300)

Contact your authorized service provider to enable the Department Counter feature.

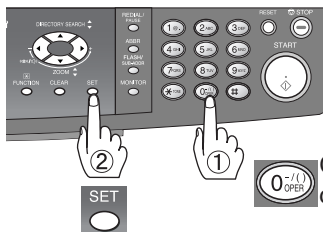


1: General Settings



10 For Department Counter

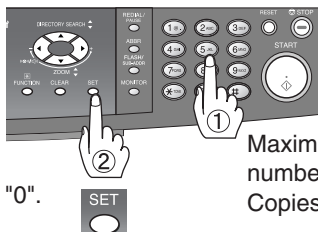
DEPT. COUNTER
001:123145



0 Clear the counter to "0".

For Maximum Copies

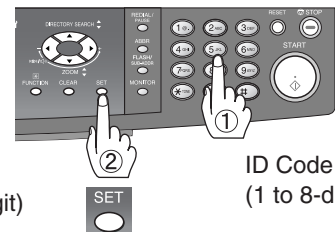
MAX COPIES
001:12345678



Maximum number of Copies (8-digit)

For ID (Identification) Code

ID CODE
001:12345678

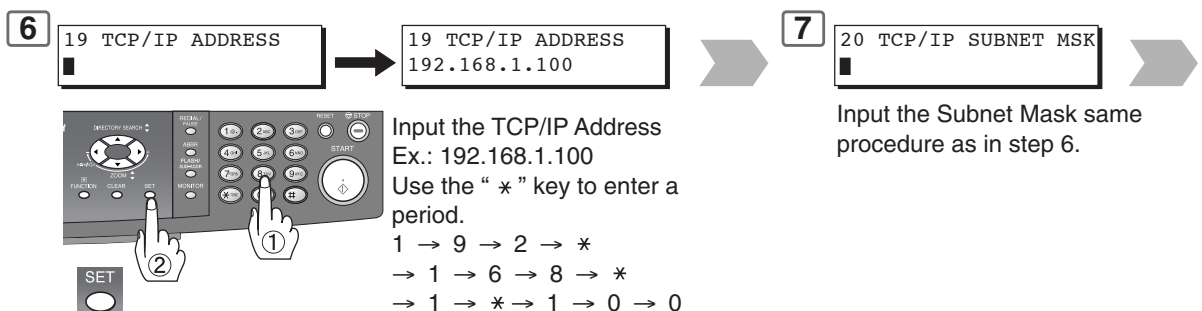
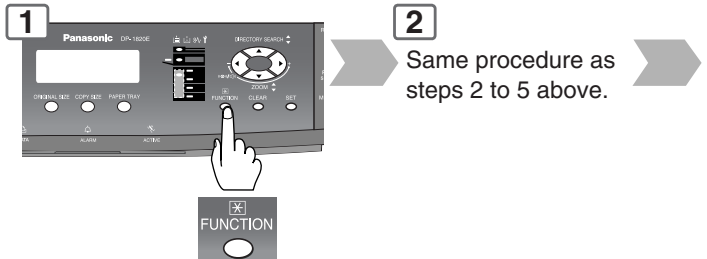


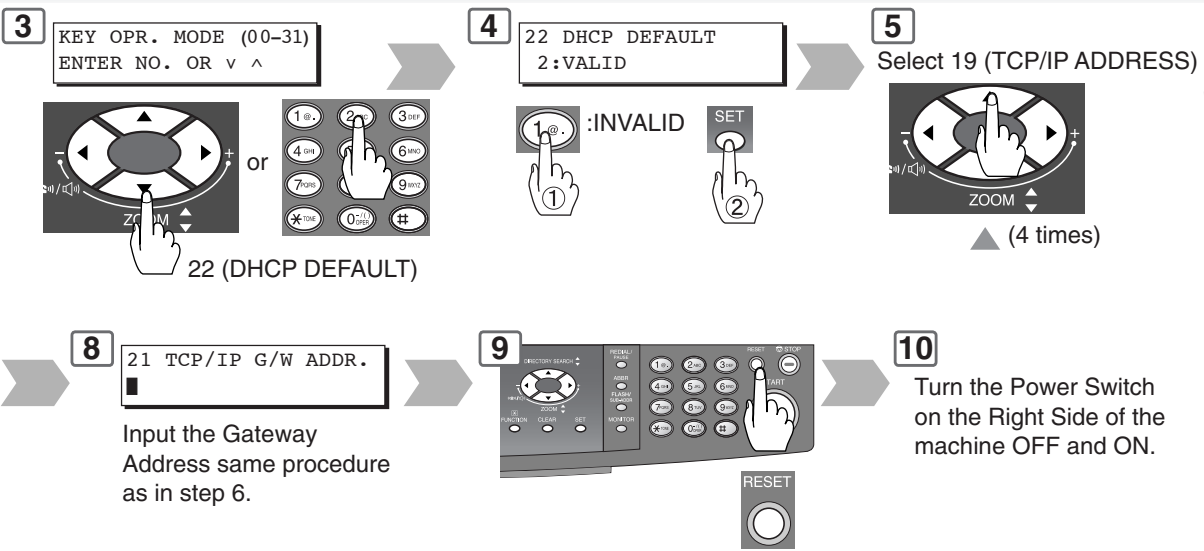
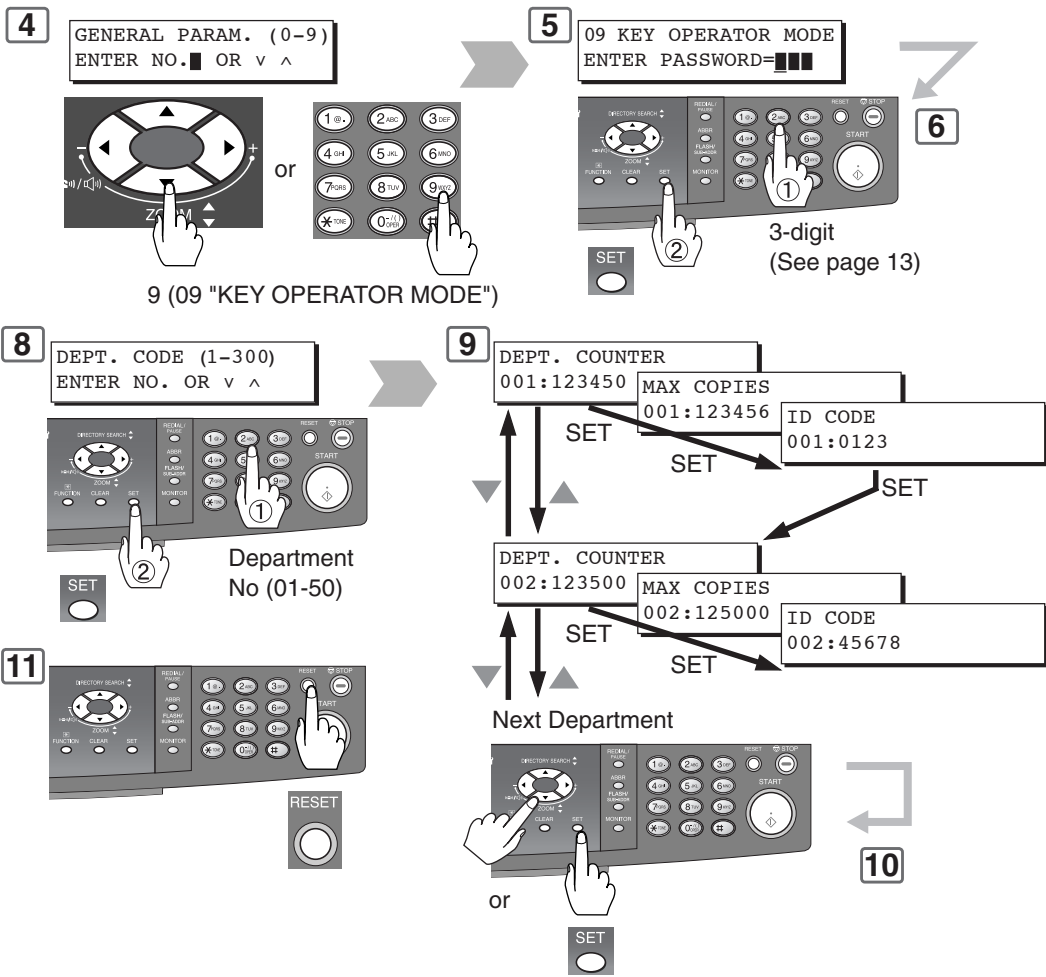
ID Code (1 to 8-digit)

Network Settings

When the Parameter No. 22 (DHCP DEFAULT) is set to "INVALID", the Key Operator must administer the Network settings manually.

Enter these required Network Setting: Parameter No. 19 (TCP/IP ADDRESS), 20 (TCP/IP SUBNET MSK) and 21 (TCP/IP G/W ADDR.), in the same manner as shown in the following example.







Function

Combined Function Table

Next Selections \ First Selections	1 → 2	2 → 1	2 → 2	Book → 2	2 Page	N in 1	Sort/Rotate-Sort	Non-Sort	Zoom	Edge	Book	Margin	Image Repeat	Centering	Interrupt*	Manual Skyshot	Digital Skyshot	Double Exposure
1 → 2	A	A	A	A	A	⊙	⊙	⊙	⊙	⊙	⊙	⊙	A	⊙	A	A	⊙	A
2 → 1*	A	A	A	A	A	A	⊙	⊙	⊙	⊙	⊙	⊙	×	×	A	A	×	×
2 → 2*	A	A	A	A	A	A	⊙	⊙	⊙	⊙	⊙	⊙	×	×	A	A	×	×
Book → 2	A	A	A	A	A	A	⊙	⊙	⊙	⊙	⊙	⊙	×	×	A	A	⊙	×
2 Page	A	A	A	A	A	A	⊙	⊙	⊙	⊙	⊙	⊙	×	×	A	A	⊙	×
N in 1	⊙	A	A	A	A	A	⊙	⊙	⊙	⊙	⊙	⊙	×	×	A	A	⊙	×
Sort/Rotate-Sort	⊙	⊙	⊙	⊙	⊙	⊙	A	A	⊙	⊙	⊙	⊙	⊙	⊙	A	A	⊙	⊙
Non-Sort	⊙	⊙	⊙	⊙	⊙	⊙	A	A	⊙	⊙	⊙	⊙	⊙	⊙	A	A	⊙	⊙
Zoom	⊙	⊙	⊙	A	⊙	⊙	⊙	⊙	A	⊙	⊙	⊙	⊙	⊙	A	A	⊙	⊙
Edge	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	A	⊙	⊙	A	×	A	A	⊙	⊙
Book	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	A	⊙	A	×	A	A	⊙	⊙
Margin	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	A	A	×	A	A	⊙	⊙
Image Repeat	A	A	A	A	A	A	⊙	⊙	⊙	×	×	×	A	A	A	A	⊙	A
Centering	⊙	A	A	A	A	A	⊙	⊙	⊙	×	×	×	A	A	A	A	⊙	A
Interrupt	⊙	⊙	⊙	⊙	⊙	⊙	/	/	⊙	⊙	⊙	⊙	⊙	⊙	R	×	⊙	⊙
Manual Skyshot	×	×	×	×	×	×	/	/	⊙	⊙	⊙	⊙	×	×	⊙	×	×	A
Digital Skyshot	⊙	×	×	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	A	/	A
Double Exposure	×	×	×	×	×	×	⊙	⊙	⊙	⊙	⊙	⊙	×	×	⊙	A	×	A

⊙ : Possible Combined Functions.

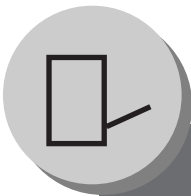
×

A : Next Selection is Carried Out.

R : When the same function is selected twice, the second selection is ignored.

/ : Functional combination that cannot be performed.

NOTE: * While making copies with the 2 → 1 or 2 → 2 Copy using the optional ADF (DA-AS181), the Interrupt mode cannot be selected.



Accessories

Components

- The DP-1520P/1820P/1820E is a digital photocopier which can produce images with great clarity. Furthermore, its copying functionality can also be greatly enhanced by the addition of the following options and supplies. We hope you find that the wide ranging capabilities will make your office-place more productive and efficient.

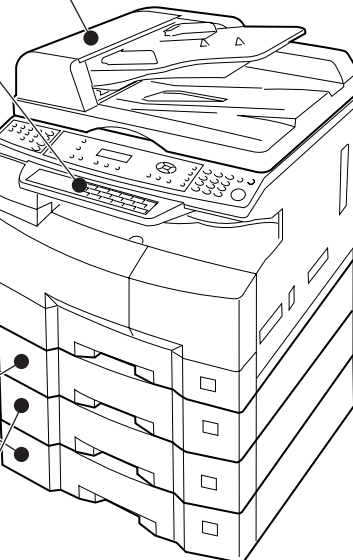
Options

- ADF**
(DA-AS181)
i-ADF
(DA-AR202)
- Duplexing
 - For DP-1820E only

- Keyboard**
(DA-KB180)
- For Fax/E-Mail, Network Scanner Function (For DP-1820P/1820E only)

- 2nd/4th Paper Tray**
(DA-DS184)
4th: For DP-1820P/1820E only

- 3rd Paper Tray**
(DA-DS185)
(For DP-1820P/1820E only)



- Fax Communication Board**
(DA-FG180)
(For DP-1820P/1820E only)

- Internet Fax/E-Mail Module**
(DA-NF180)
(For DP-1820P/1820E only)

Image Memory

- (DA-SM16B/64B/28B)
- 16/64/128 MB
 - To increase the memory capacity for electronic sorting.

Hard Disk Drive (HDD) Unit

- (DA-HD18)
- This option also requires at least 16 MB of optional Sorting Image Memory (DA-SM16B)
 - For PS Printing (for Fonts, Security Print/Mailbox, Account Management)
- For DP-1820P/1820E only:**
For Concurrent Copy, Electronic Sorting Memory, PS/PCL Print Job Spooling

Expansion Board

- (DA-EM600)
- Expansion F-ROM (8 MB)

Network Scanner Module

- (DA-NS180)
(For DP-1820P/1820E only)

Printer Controller Module

- (DA-PC180)
- Printer Controller for PCL6*

Multi Page Description Language Controller Module

- (DA-MC180)
- Printer Controller for PS*/PCL6

Supplies

Part Name	Part No.	Remarks
Toner	DQ-TU10J	Toner
Verification Stamp	DZHT000027	X-Stamp for Fax Option

NOTE

* PCL6 is a Page Description Language of the Hewlett-Packard Company. PS is a Page Description Language of the Adobe Cooperation.

- Contact your authorized service provider for details on options combination.



Network Scanner (Option)

Document Scanning

Document Scanning

When Panasonic Document Management System (Panasonic-DMS) is installed and configured on your PC, document(s) can be scanned from the machine to your PC.

Direct Connection

(with Crossover Cable, see page 66)

- Document Scanning directly from the Machine to your PC using Windows "My Network Places" or "Network Neighborhood".

NOTE:

USB Port is used for printing only, and is not available for local scanning.

NOTE
If the PC's address (IP Address) is not shown on the LCD of the machine, register the PC's address from the Control Panel of the machine. (See page 62)
● ONE-TOUCH or ABBR No.

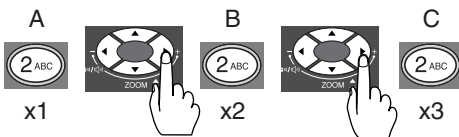
- When entering letter(s), use either of the following methods.

With Keypad

ex. SALES



ex. ABC

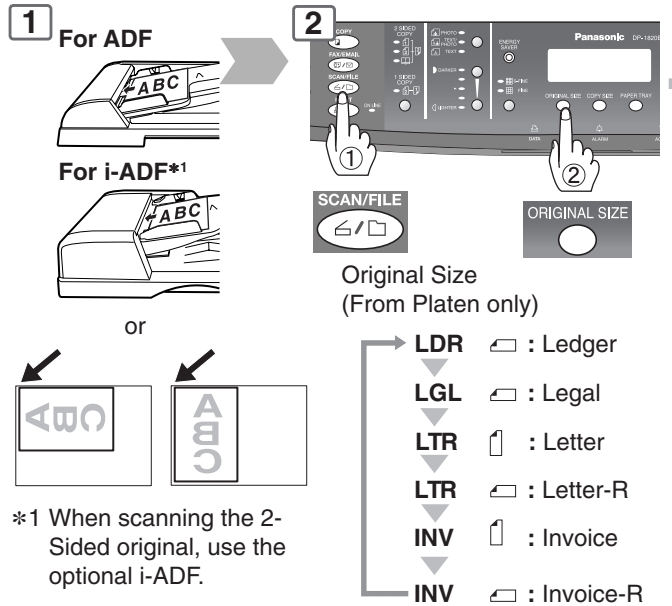


With Keyboard

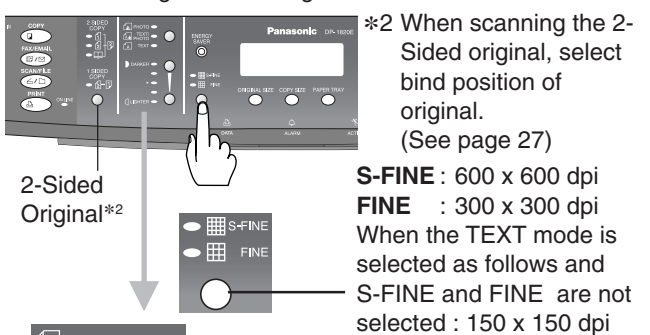
When optional Keyboard (DA-KB180) is installed:



When inputting a special character, press "_(/)...>" Key and use the (▲/▼) Cursor Keys to select a character.



When selecting the scanning resolution/contrast:

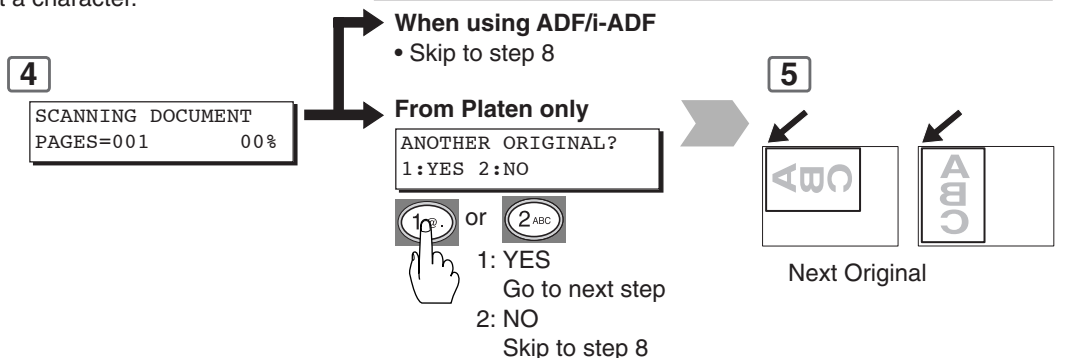


Select type of Original(s)

- PHOTO : Mainly Photo
- TEXT/PHOTO : Text and Photo combined
- TEXT : Mainly Text

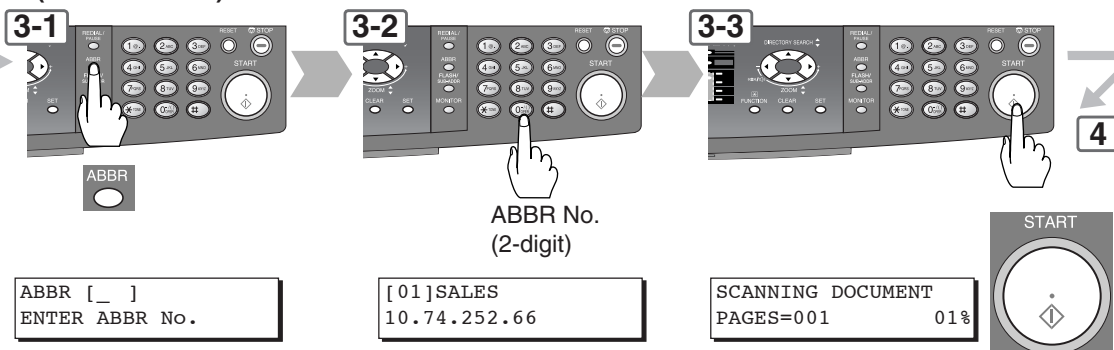
Adjust the Manual Exposure Press **DARKER** or **LIGHTER** Key (5 steps)

When adding a file name or selecting the compression format. (See page 64)

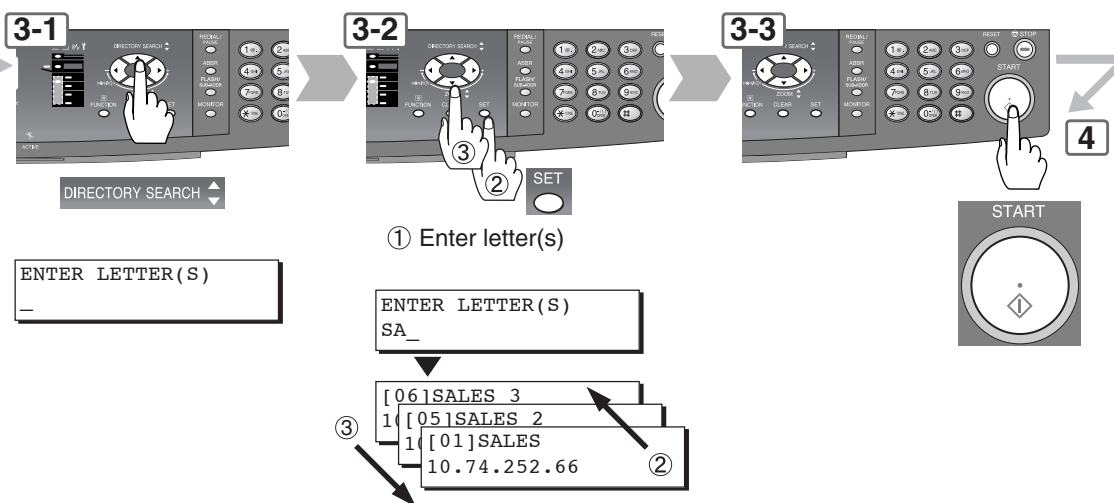


Select a Station (PC's Address)

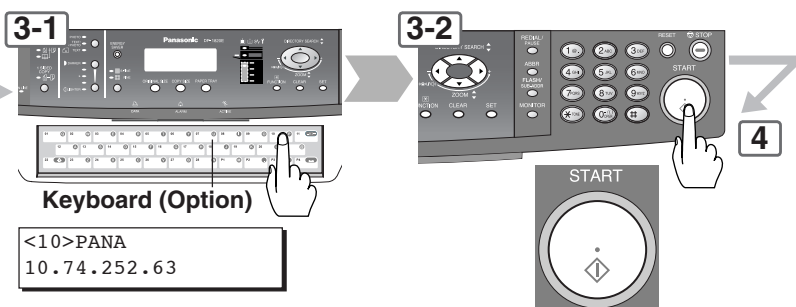
ABBR



DIRECTORY SEARCH

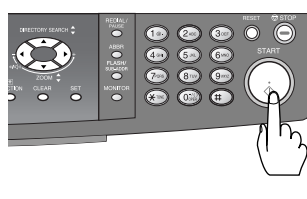


ONE-TOUCH*



NOTE
"ONE-TOUCH" is available when the optional Keyboard (DA-KB180) is installed.

6 PRESS START LETTER

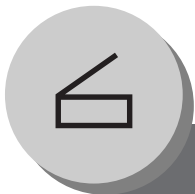


7 ANOTHER ORIGINAL?
1: YES 2: NO

1: YES
Continues to scan another original(s), repeat steps 5 and 6.
2: NO
No next original.

8 DATA IS BEING TRANSFERRED TO PC

TRANSFER COMPLETED



Network Scanner (Option)

Address Book

■ Adding your PC's IP Address

If the Scanner Configuration is not set with the Panasonic Communications Utility of Panasonic-DMS software (refer to Panasonic-DMS CD-ROM), input your PC's IP Address using the machine's Keyboard.

1 SCAN/FILE

2 APR-02-2004 04:28
READY TO SCAN

3 FUNCTION (1-2)
ENTER NO. OR v ^

7 1: ONE-TOUCH
2: ABBR No.

8 For ONE-TOUCH
ONE-TOUCH< >
PRESS ONE-TCH OR v ^

9 IP ADDRESS <01>

1: SET MODE

1 @ : ONE-TOUCH
or
2 ABC : ABBR No.

For ABBR No.
ABBR [_]
ENTER NO. OR v ^

ex. 10.74.252.66
1→0→*→7→4→*→2
→5→2→*→6→6

When changing a number, move the cursor (■) over the number you wish to change and overwrite it with a New number.

■ Editing/Erasing your PC's IP Address

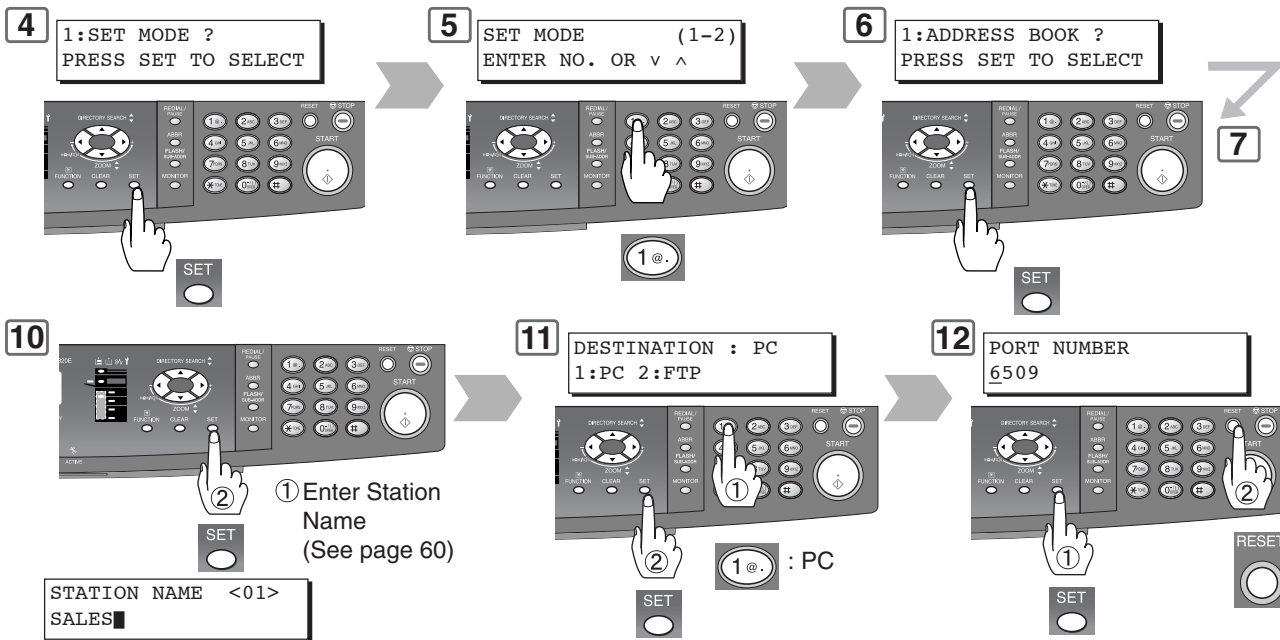
If you have to change or erase any of the Address Book stations, follow the steps below.

1 Follow the same procedures as steps 1 to 8 above, "Adding your PC's IP Address".

2 Editing
IP ADDRESS <01>
10.74.252.66

To change the address, move the cursor (■) over the number you wish to change and overwrite it with a New number.

2 Erasing
IP ADDRESS <01>
10.74.252.66



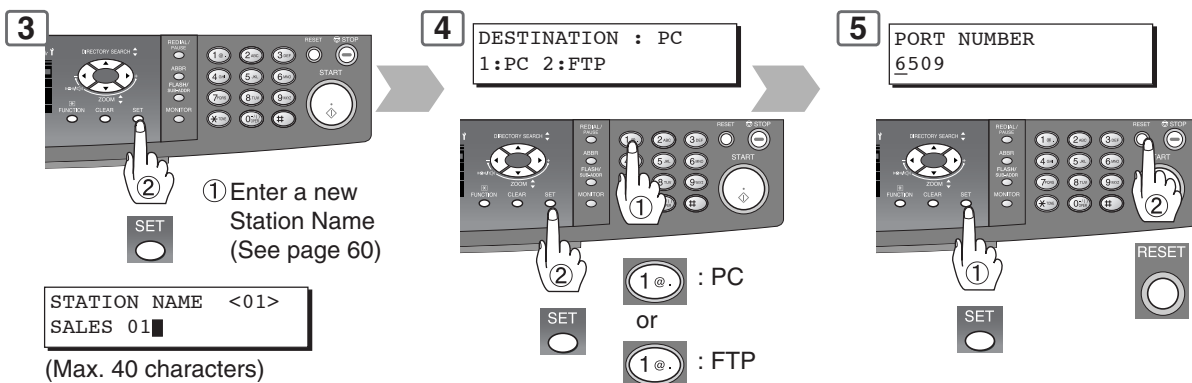
(Max. 40 characters)

When inputting a special character, press "_/()..." Key and use the (▲/▼) Cursor Keys to select a character.

When changing the inputted character, move cursor (█) back to the character and press the CLEAR Key then input a new character.

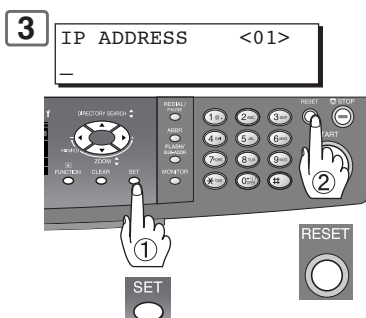
FTP: Consult with your network administrator.

When continuously registering ONE-TOUCH/ABBR No., repeat steps 8 to 12-①.



(Max. 40 characters)

FTP: Consult with your network administrator.

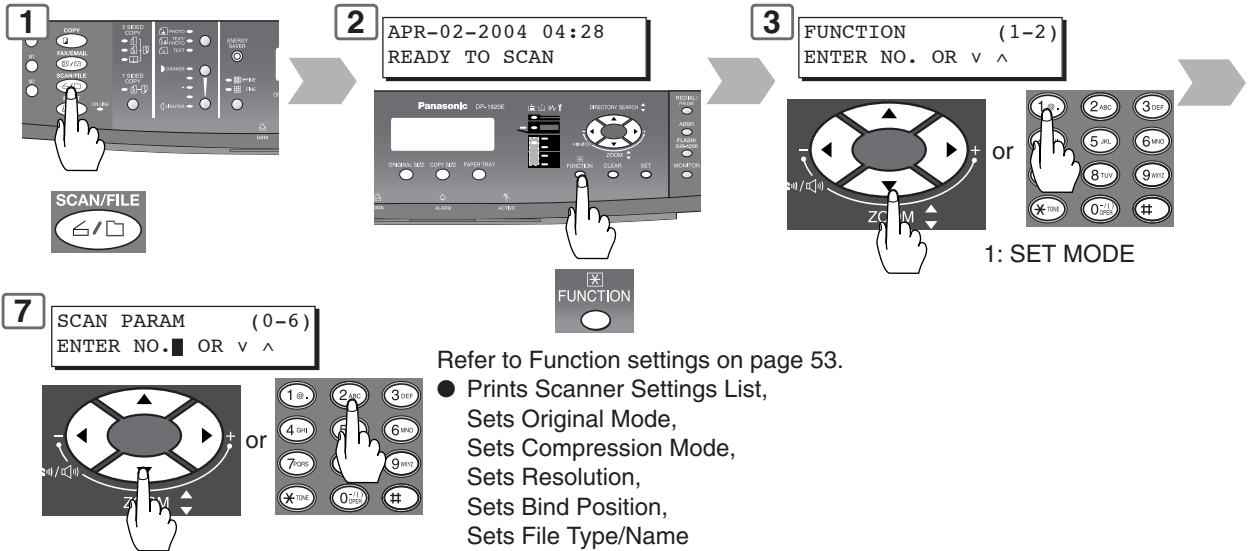




Network Scanner (Option)

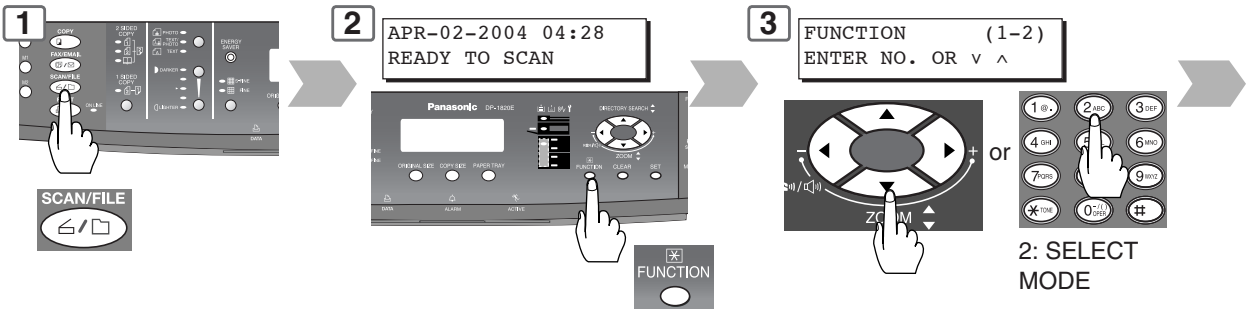
Function

■ Scan Parameters (Scanner Settings)

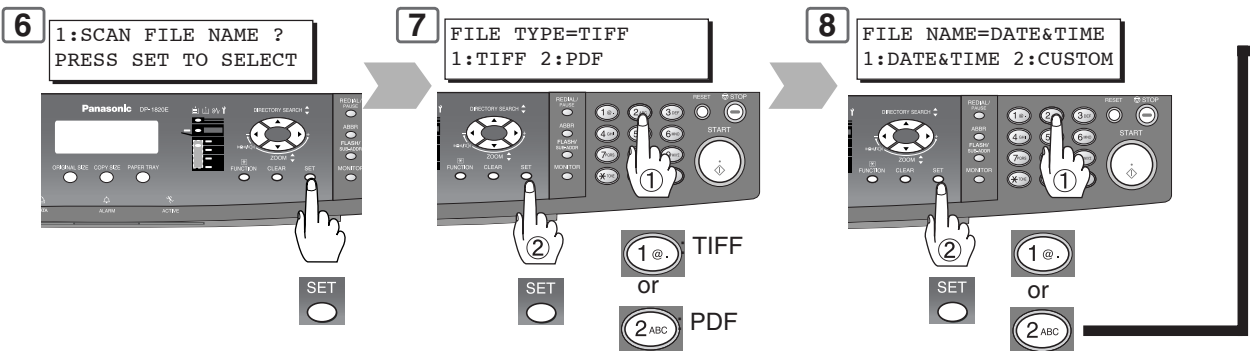


■ Select Mode

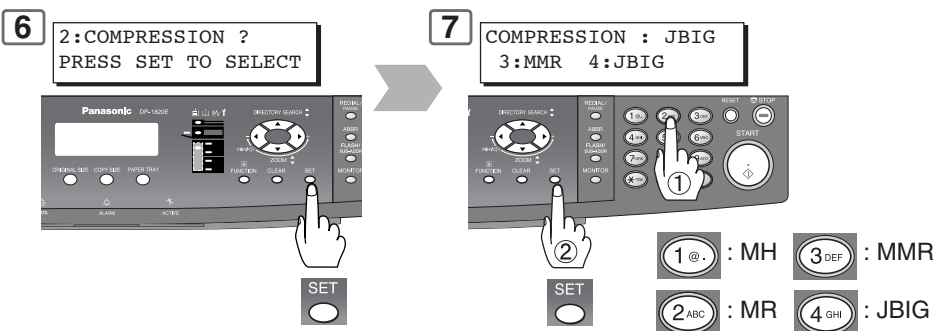
When adding a file name or selecting a compression format before scanning document(s).

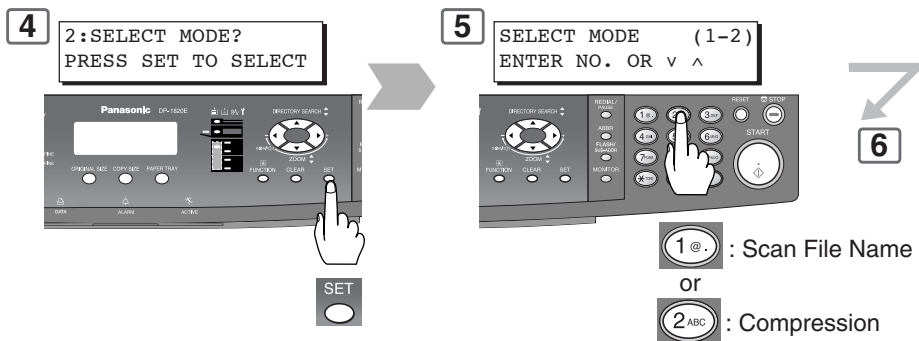
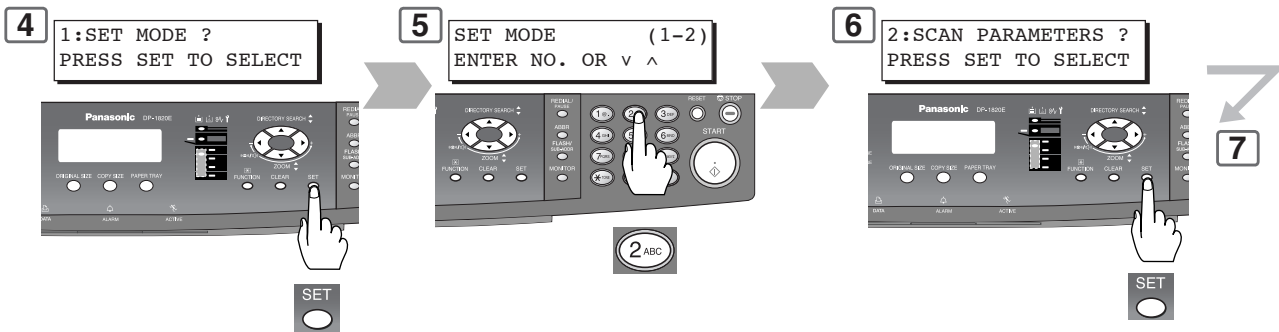


For Scan File Name



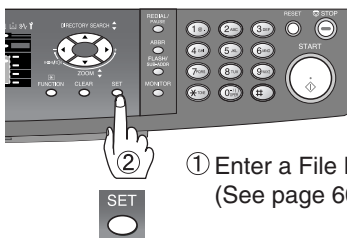
For Compression





(When Selecting Custom)

SCAN FILE NAME
ENTER NAME



① Enter a File Name
(See page 60)



Network Scanner (Option)

Direct Connection (with Crossover Cable)

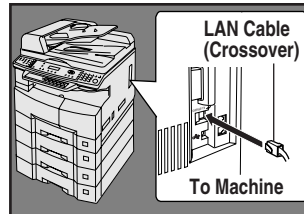
■ Direct Connection (with Crossover Cable)

1

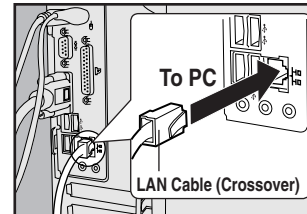
Turn OFF* the Power Switch (Machine and the PC).

2

Connect a Crossover LAN Cable between your machine and the PC.



(Right Side of Machine)



(Rear Side of PC)

NOTE: Do not use Standard LAN Cable.

5

Turn OFF* and ON the Power Switch (Machine and the PC).

6

Input your PC's IP Address into the Address Book in the machine (see page 62) or into the Panasonic-DMS software (refer to the enclosed CD).

7

Scan the document(s) to your PC. (See page 60)

NOTE:

* If the Hard Disk Drive Unit (DA-HD18) is installed, see page 13.

3 Turn On the Power Switch (Machine and the PC).

4 Input the Network Address (Machine and your PC).

- IP and Gateway Address*
 - IP: 192.168.0.1 (Machine)
 - 192.168.0.2 (Your PC)
 - Subnet Mask: 255.255.255.0 (Machine & the PC)

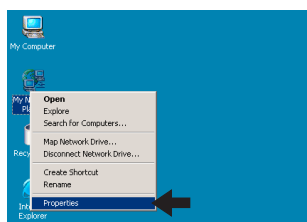
- How to input the network address:
 - For your Machine: See page 56
 - For your PC: See below

5

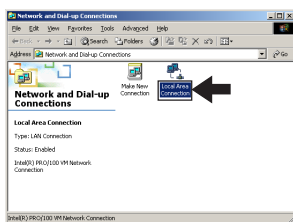
NOTE:
 * If you use the DHCP server, select to disable the DHCP server.
 Machine: See page 47
 Your PC: Consult your System Administrator.

For more detailed information, refer to Windows OS operating instructions manual.

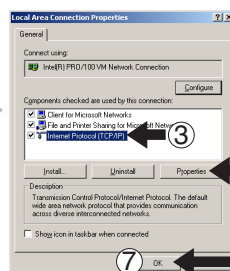
For Windows 2000



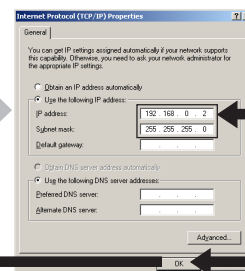
① Right click "My Network Places" and select "Properties".



② Right click "Local Area Connection" and select "Properties".

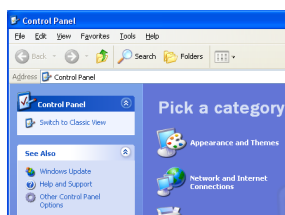


③ Select "Internet Protocol (TCP/ IP)".
 ④ Click "Properties".
 ⑦ Click "OK".

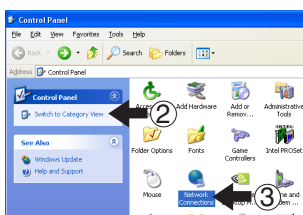


⑤ Select "Use the following IP address" then, Input IP Address and the Subnet Mask.
 ⑥ Click "OK".

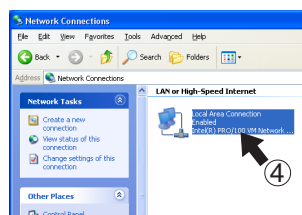
For Windows XP



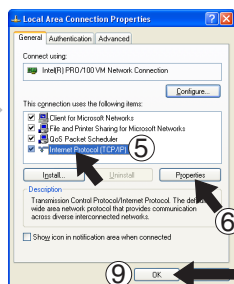
① Open the Control Panel.



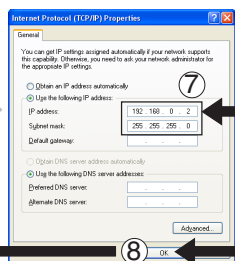
② Select "Switch to Classic View", if using the Category View Mode.
 ③ Select "Network Connections".



④ Right click "Local Area Connection Enabled", and select "Properties".



⑤ Select the "Internet Protocol (TCP/ IP)".
 ⑥ Click "Properties".
 ⑨ Click "CLOSE".



⑦ Select "Use the following IP address" then, Input IP Address and the Subnet Mask.
 ⑧ Click "OK".

"OK" will be changed to "CLOSE".



Problem Solving

Troubleshooting

Check

Action

Unit Does Not Operate

Does the display light?



Check if the Power Switch (Main Power Switch on the Right Side of the machine) is turned ON and if the power cord is plugged into the AC outlet.

Does the Energy Saver key flash (or light) and the display is turned OFF?
(See page 42)



Press Energy Saver key on the control panel.

Does any of the U## codes and messages appear on the display?
(U01, U07, U13, U14....etc.)



Perform actions in accordance with each message.

Does the Add Paper indicator and message appear on the display?



Add paper. (See page 14)

Does the Misfed Paper indicator, message and J## codes appear on the display?



Remove the misfed paper. (See pages 16 - 21)

Does E#-## codes and messages appear on the display?



Turn the Power Switch on the Right Side of the machine to the OFF and ON position. If the error code does not clear, call your Service provider.

The machine would not accept the next job during operation, instructed job would not be accepted for a long time period or job would not be completed.



Turn the Power Switch on the Right Side of the machine to the OFF and ON position.

Light Copies

Does the exposure indicator say "LIGHTER"?



Press the "DARKER" button.

Does the Add Toner indicator and message appear on the display?



Replace the Toner Bottle.
(See pages 16, 17)

Check

Action

Marked Copies

Is the machine's Platen Glass or Platen Sheet dirty?



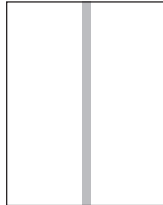
Clean the Platen Glass or Sheet.

Is the original an OHP film or a dark original?



Cover the original with a sheet of white paper before copying or lighten the exposure setting.

If a dark vertical line of 0.8-1.2 inch (2-3 cm) in width is printed.



① Clean the Corona Wire of the Drum Unit. (See page 16)

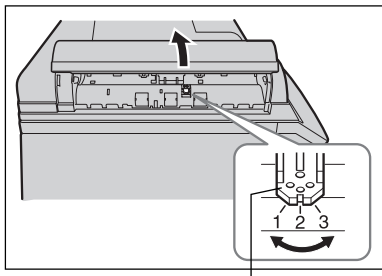
② Check the copies.

If a dark vertical line is remained, repeat above step to clean the Corona Wire became dark vertical line is erased.

■ If the measures outlined above do not solve the problem, call your Service provider.

Adjusting the Double Feed Switch (For DA-AS181)

■ When original(s) do not feed correctly, adjust the position of the Double Feed Switch as follows:



Double Feed Switch

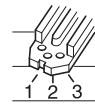
Normal Operation



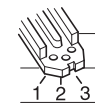
Position of Switch



Original does not feed.



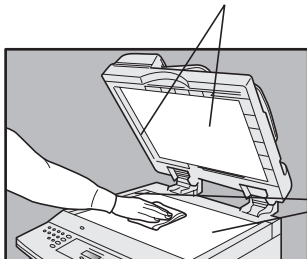
Several originals are fed at one time



Machine Care

■ As a rule, clean weekly.

Platen Sheet



Platen (Glass)

Platen Glass/Platen Sheet

① Wipe marks off with a cloth and a neutral detergent.

② Wipe again with a dry cloth.



Problem Solving

Replacing the Battery/Set the Date and Time

The machine has an internal battery (Product No.: **CR2032**) which maintains the date and time.

In the event the battery requires replacement, the following message will be displayed.

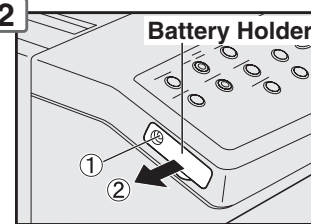
REPLACE BATTERY
U90

1

Turn the Power Switch on the Right Side of the machine to the OFF position.

If the Hard Disk Drive Unit (**DA-HD18**) is installed, see page 13)

2



- ① Remove 1 Screw.
- ② Remove the Battery Holder.

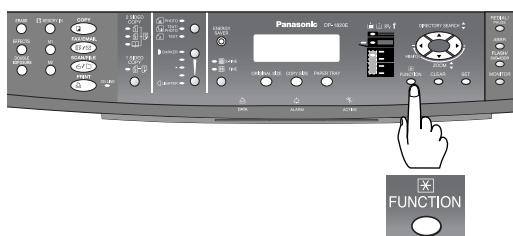
CAUTION

Keep button batteries and small parts out of reach of children to prevent choking or poisoning. If a button battery is swallowed accidentally, get medical treatment immediately.

Set the Date and Time continues steps 6 to 13.

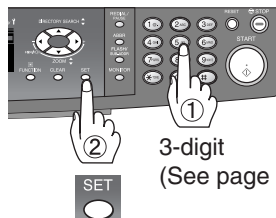
When setting the Date and Time, start from step 6.

6



10

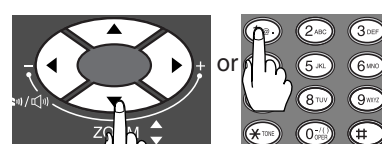
09 KEY OPERATOR MODE
ENTER PASSWORD= _■■



3-digit
(See page 13)

11

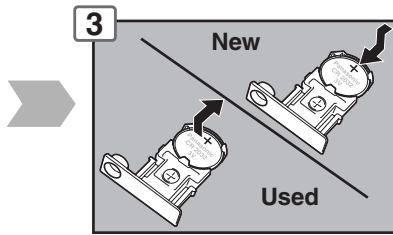
KEY OPR.MODE (00-31)
ENTER NO. ■ OR v ^



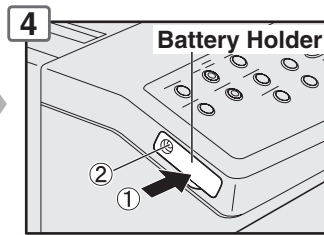
17 (DATE & TIME)

NOTE

- The service life of the battery is approximately 1 year under normal use.



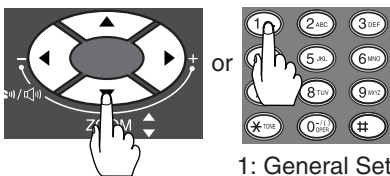
“+” side of battery should be facing upwards.
(Observe the polarity, see CAUTION! below)



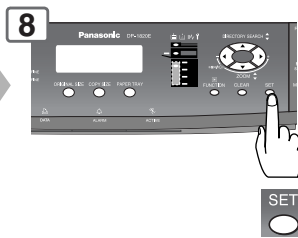
① Reinstall the Battery Holder.
② Install 1 Screw.

5 Turn the Power Switch on the Right Side of the machine to the ON position. 6

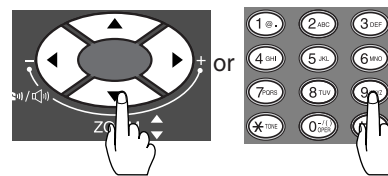
7 FUNCTION MODE (1-2)
ENTER NO. OR v ^



1: General Settings



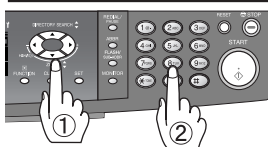
9 GENERAL PARAM. (0-9)
ENTER NO. OR v ^



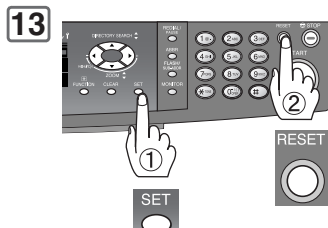
9 (09 "KEY OPERATOR MODE")

10

12 17 DATE & TIME
04-02-2004 00:01



Move the cursor () under the Month/Date/Year/Time that you wish to change, then input the new data using the Keypad.



CAUTION

denotes hazards that could result in minor injury or damage to the machine.

- THIS PRODUCT CONTAINS A LITHIUM BATTERY. REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE. "IMPROPER USE OR REPLACEMENT MAY CAUSE OVERHEATING, RUPTURE OR EXPLOSION RESULTING IN INJURY OR FIRE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS OF YOUR LOCAL SOLID WASTE OFFICIALS AND LOCAL REGULATIONS"



Appendix

Specifications

■ DP-1520P/1820P/1820E (For Copier)

Type:	Desk Top
Platen Type:	Fixed
Acceptable Originals:	Sheets, Books (max. Ledger size)
Copying Method:	Laser Electrophotography
Fusing Method:	Heat Roller
Imaging Method:	Dry-Type Dual Components Imaging
Resolution:	Max. 600 dpi
Operation Panel:	LCD Display
Copy Size:	Ledger - Invoice via Paper Tray
Void Area:	Max. 0.2" (5 mm)
Warm Up Time:	Approx. 30 seconds (68°F/20°C)
First Copy Time:	Less than 7.0 seconds (Letter, from 1st Tray)
Multi-Copy Speed:	DP-1520P : 15 cpm (Letter size) DP-1820P/1820E : 18 cpm (Letter size)
Enlargement Ratios:	Preset: 121%, 129%, 155%, 200% Variable: from 101% to 200% in 1% increments
Reduction Ratios:	Preset: 79%, 77%, 65%, 61%, 50% Variable: from 99% to 50% in 1% increments
Paper Feed:	Standard Paper Tray (550 sheets) + Sheet Bypass (50 Sheets) Optional Paper Trays (550 sheets x 3) (3rd and 4th Paper Trays are for DP-1820P/1820E only)
Paper Weight:	Paper Tray: 16 - 24 lb Bypass: 15 - 34 lb ADU: 17 - 24 lb (DP-1820E)
Quantity Selector:	Max. 999 sheets (Output Tray capacity is 250 sheets/Letter size)
Electrical Consumption:	AC 120V, 60Hz, 12A
Power Consumption:	Max. 1.3 kW
Dimensions (W)(D)(H):	22.0 x 21.9 x 18.1 in (558 x 557 x 460 mm)
Mass (Weight):	97.0 lb (44.0 kg)
Operating Environment:	Temperature: 50 - 86°F (10 - 30°C) [Humidity should be 70% or less at 86°F (30°C)] Relative Humidity: 30 - 80% [Temperature should be 80°F (27°C) or less at 80% RH]

■ ADF (DA-AS181)/i-ADF (DA-AR202) (Option)

Tray Capacity:	Letter, Invoice : 50 sheets (20 lb) Ledger, Legal : 30 sheets (20 lb)
Original Size:	Invoice/Letter/Legal/Ledger
Paper Weight:	14 – 28 lb
Electrical Requirements:	Supplied from the machine
Dimensions (W)(D)(H):	DA-AS181: 22.0 x 19.7 x 4.4 in (558 x 501 x 112 mm) DA-AR202: 21.7 x 21.7 x 5.3 in (552 x 520 x 135 mm)
Mass (Weight):	DA-AS181: 11.0 lb (5.0 kg) DA-AR202: 20.5 lb (9.3 kg)

■ Network Scanner (DA-NS180) (Option)

Scanning Type:	CCD Image Sensor (ADF/Platen)
Scanning Speed: (w/o Transmission Time)	19 sheets/minute (Letter)
Resolution (dpi/Monochrome):	Standard (150x150) / Fine (300x300) / SuperFine (600x600)
Max Scanning Area (Platen):	11 x 17 in
Max Scanning Area (ADF):	11 x 17 in
Duplex Scan:	No
Scanning Mode:	Text, Text/Photo, Photo
Scale:	Bi-level / 256-level Gray Scale
Compression Format:	MH, MR, MMR, JBIG
File Format:	Multi-page TIFF, PDF 256 Gradation
Send to Station (PC):	Yes (Single Address only)
Send to Station (FTP):	Yes (Single Address only)
Send to Station (Printer):	N/A
Pop up Notification:	Yes
Protocol:	LPR, TCP/IP
Applicable OS:	Windows 98 / Me / NT 4.0 / 2000 / XP

■ 2nd/3rd/4th Paper Tray (DA-DS184/DS185) (Option)

Paper Size:	Invoice/Letter/Legal/Ledger
Paper Weight:	16 – 24 lb
Electrical Requirements:	Supplied by the machine
Dimensions (W)(D)(H):	22.0 x 21.2 x 5.0 in
Mass (Weight):	DA-DS184 : 19.8 lb (9.0kg) DA-DS185 : 20.7 lb (9.4kg)

- Specifications are subject to change without notice.



Appendix

Options and Supplies

■ Options

Part Name	Part No.	Remarks
Automatic Document Feeder	DA-AS181	Also referred as ADF
Inverting Automatic Document Feeder	DA-AR202	Also referred as i-ADF (For DP-1820E only)
Platen Cover	DA-UC200	
2nd/4th Paper Tray	DA-DS184	4th Paper Tray (For DP-1820P/1820E only)
3rd Paper Tray	DA-DS185	3rd Paper Tray (For DP-1820P/1820E only)
Plain Stand	DA1D18A	For Standard 1 Tray Configuration
Plain Stand	DA1D18B	For 2 Paper Tray Configuration
Plain Stand	DA1D18C	For 3 & 4 Paper Trays Configuration
Platen Cover	DA-UC200	
Image Memory (16 MB)	DA-SM16B	For Electronic Sorting
Image Memory (64 MB)	DA-SM64B	For Electronic Sorting
Image Memory (128 MB)	DA-SM28B	For Electronic Sorting
Expansion Flash Memory Card, 4 MB	UE-410047	Additional Page Memory for Fax Communication Board
Expansion Flash Memory Card, 8 MB	UE-410048	Additional Page Memory for Fax Communication Board
8 MB Expansion Board	DA-EM600	Additional Expansion for PCL and PS printing
Printer Controller Module	DA-PC180	Printer Controller for PCL6
Multi Page Description Language Controller Module	DA-MC180	Printer Controller for PCL6/PS3
Hard Disk Drive Unit	DA-HD18	
Keyboard	DA-KB180	For Fax/Internet Fax/Scanning
Network Scanner Module	DA-NS180	Network Scanner
Internet Fax/E-Mail Module	DA-NF180	Internet Fax/E-Mail Communication
Fax Communication Board	DA-FG180	G3 Fax/Tel Communication
Accounting Software	DA-WA10	For Accounting function

■ Supplies

Part Name	Part No.	Remarks
Toner	UG-TU10J	Toner
Verification Stamp	DZHT000027	X-Stamp for Fax Option

IMPORTANT INFORMATION

When requesting information, supplies or service always refer to the model and serial number of your machine. The model and serial number plate (Main Name Plate) is located on the rear side of machine. For your convenience, space is provided below to record information you may need in the future.

Model No.

Serial No.

Date of Purchase

Dealer

Address

Telephone Number

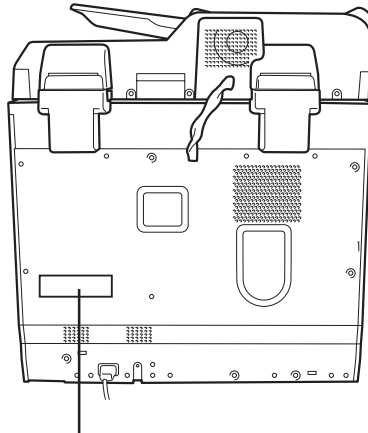
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Supplies Telephone Number

()

Service Telephone Number

()



Model and Serial Number

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