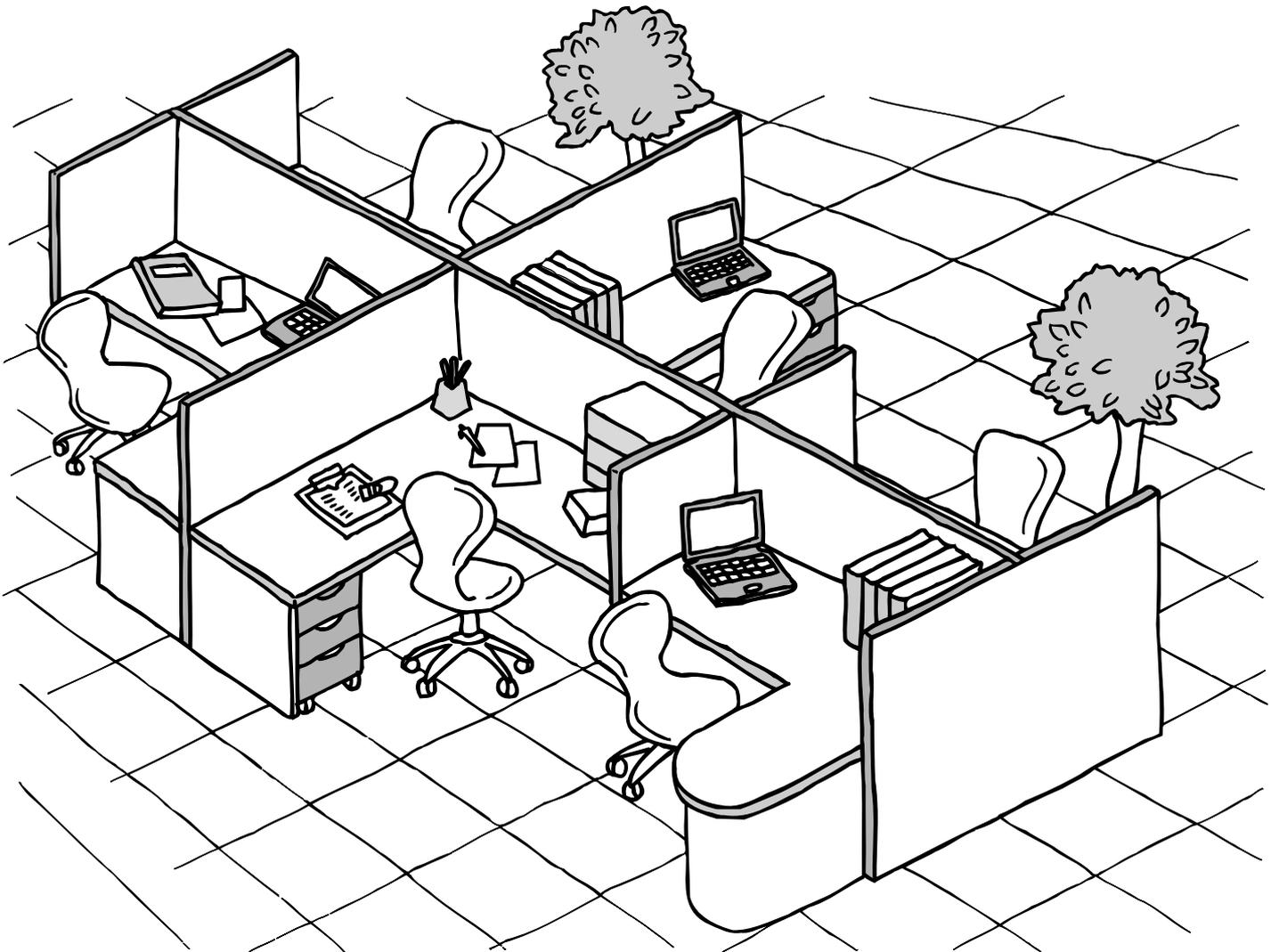


Panasonic®



Operating Instructions Facsimile Transceiver

Model No. **UF-5500**
UF-4500



Panafax

Before operating this machine, please carefully read this manual, and keep this documentation in a safe place for future reference.

Panasonic assumes no responsibility for injuries or property damage resulting from failures arising out of improper installation or operation inconsistent with this Operating Instructions manual.

English

Getting to Know
Your Machine

Installing Your
Machine

Programming
Your Machine

Basic
Operations

Advanced
Features

Network
Features

Panasonic Document
Management System
(UF-5500 Only)

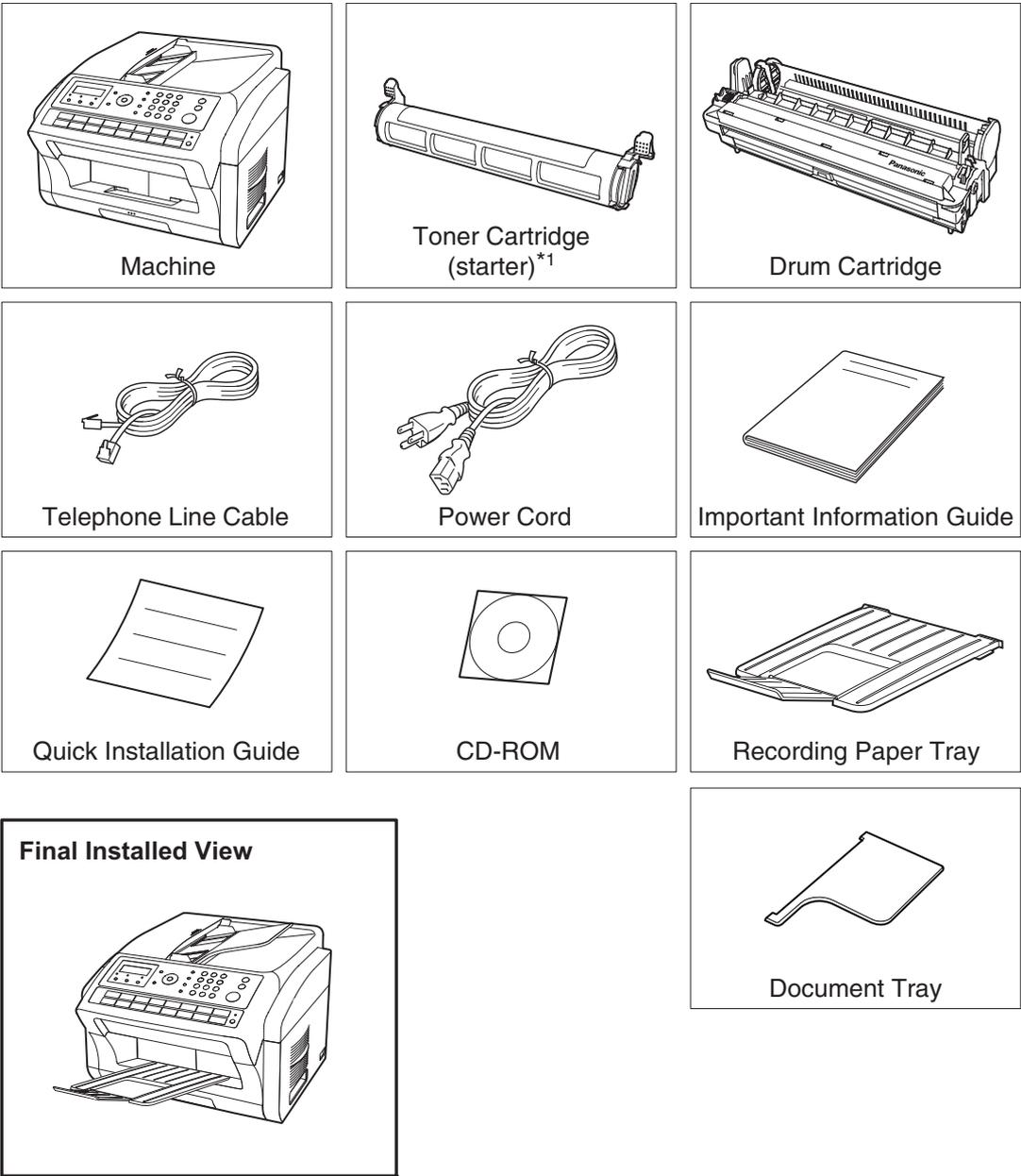
Printout Journals
and Lists

Problem Solving

Appendix

Main Unit and Accessories

Unpack the carton and check that you have all the accessories illustrated.



*1 Prints about 500 pages.

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Safety Information

For Your Safety

To prevent severe injury and loss of life, read this section carefully before using your machine to ensure proper and safe operation of your machine.

■ This section explains the **Warnings** and **Cautions** 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. (Graphic symbols below are the examples)

		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.
		This symbol is used to alert operators to a heated surface that may cause burns and requires close attention.

WARNING

Power and Ground Connection Cautions

-  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 if left unattended over an extended period of time.
-  Always use the power cord provided with your machine. If you use a cord with an unspecified current rating, the machine, or plug may emit smoke, or become hot to the touch.
-  Do not attempt to repair, 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 the authorized Panasonic dealer for a replacement. Using a damaged cord can cause fire, or electric shocks.
-  When disconnecting the machine, grasp the plug instead of the cord. Pulling on a cord forcibly can damage it and cause fire, or electric shock.

-  Stop operation immediately if your machine emits smoke, excessive heat, unusual noise or smell, or if water is spilt onto the machine. These conditions can cause fire. Immediately unplug the machine and contact the authorized Panasonic dealer.
-  When the machine is not used over an extended period of time, 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 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.
-  Once a month, unplug the machine and check the power cord for the following. If you notice any unusual condition, contact the authorized Panasonic dealer.
 - 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.

Safety Information

Operating Safeguards



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, unplug the machine immediately. Contact the authorized Panasonic dealer. 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.

Consumable Safeguards



Never dispose of toner into an open flame. Toner remaining in the cartridge can cause an explosion, burns, and/or injuries. For disposal or recycling information, contact your local authorities, or your local waste officials.



CAUTION

Installation and Relocation

Cautions



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 the machine. If tilted, the machine may tip-over and cause injuries.



When relocating the machine, contact the authorized Panasonic dealer.



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.

Operating Safeguards



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.



Never touch heated areas 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. Unplug the machine immediately and contact an authorized Panasonic dealer.



Do not use conductive paper. **Ex:** carbon paper, and coated paper. When paper misfeed occurs, it can cause a short-circuit and fire.



Do not place any heavy objects on the machine. An off-balanced 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 removing misfed 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 misfed paper that is difficult or impossible to see, do not try to remove it by yourself. Doing so can cause injuries or burns. Unplug the machine immediately and contact an authorized Panasonic dealer.



If accessing the inner components of the machine to clear misfed paper, etc., exercise care not to touch heated areas, or you may get burned.

Safety Information

For Your Safety



CAUTION

Caution on Toner Use

- Avoid ingestion, inhalation, eye or skin contact.
 - If ingestion occurs, drink several glasses of water to dilute stomach contents.
 - If inhalation occurs, exit the area immediately into the fresh air.
 - If skin contact occurs, wash thoroughly with soap and water.
 - If eye contact occurs, flush thoroughly with water.
 - In all cases, seek medical treatment if adverse symptoms occur.
- When the toner cartridge is at the end of its life, do not dispose of it into a fire. It can cause an explosion and you can get burnt.
- Keep the toner cartridge out of children's reach. Store in a cool and dry place (low humidity). Do not unseal the toner cartridge unless you are ready to use it.

Black Toner	INGREDIENTS: Polyester resin Carbon black(1333-86-4) Others
--------------------	---

For USA only

Distributed by Panasonic System Networks Company of America, Unit of Panasonic Corporation of North America One Panasonic Way Secaucus, NJ 07094

Consumable Safeguards



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

Others

- The machine has a built-in circuit for protection against lightning-induced surge current. If lightning strikes in your neighborhood, maintain ample distance from the machine and do not touch the machine until 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. Unplug the machine 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 operating 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.
- This product contains a CR Coin Cell Lithium Battery which contains Perchlorate Material - special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate



IMPORTANT SAFETY INSTRUCTIONS

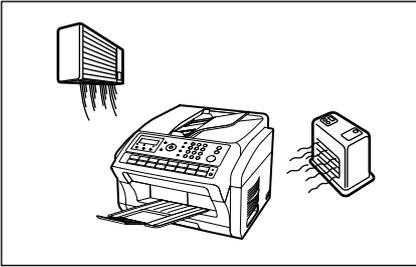
When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

- DO NOT USE THIS PRODUCT NEAR WATER, FOR EXAMPLE, NEAR A BATH TUB, WASH BOWL, KITCHEN SINK OR LAUNDRY TUB, IN A WET BASEMENT OR NEAR A SWIMMING POOL.
 - AVOID USING A TELEPHONE (OTHER THAN A CORDLESS TYPE) DURING AN ELECTRICAL STORM. THERE MAY BE A REMOTE RISK OF ELECTRIC SHOCK FROM LIGHTNING.
 - DO NOT USE THE TELEPHONE TO REPORT A GAS LEAK IN THE VICINITY OF THE LEAK.
- SAVE THESE INSTRUCTIONS.

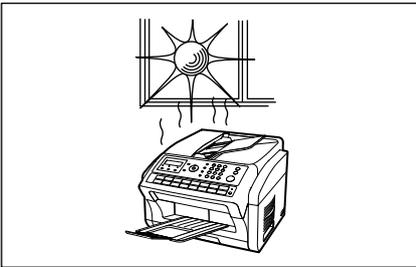


CAUTION

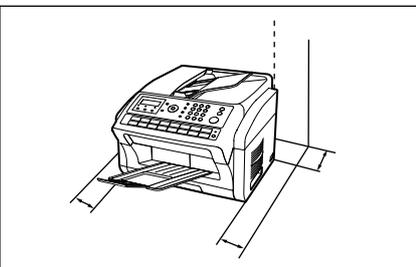
Denotes hazards that could result in minor injury or damage to the machine.



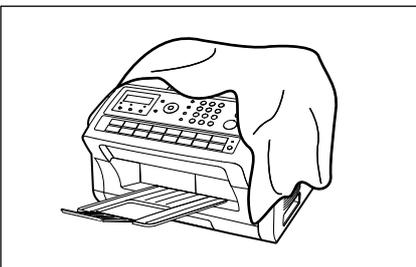
Do not place the machine near heaters or volatile, flammable, or combustible materials such as curtains that may catch fire.



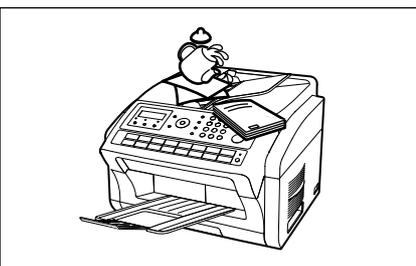
Avoid exposure to direct sunlight.



Install the machine on a flat surface, leave at least 10 cm (4") of space between the machine and other objects.



Do not block the ventilation openings.



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

Safety Information

Installation

- The maximum power consumption is approx. 950 W.
A properly wired (grounded), dedicated, 15A, 120V AC outlet is required. Do not use an extension cord. Please ensure that the machine is installed near a wall outlet and is easily accessible.
- The machine should not be installed in areas with the following conditions:
 - Extremely high or low temperature and humidity. The machine should be installed under the following ambient conditions:
Temperature : 50 to 90.5 °F (10 to 32.5 °C)
Relative Humidity : 20 to 70 %
 - In areas with chemical fume concentration.
 - With unstable or uneven conditions (floors, etc.).
 - Direct exposure to sunlight or fluorescent light.
 - In areas of high dust concentration.
 - Directly in the air conditioning flow.
 - In areas of poor ventilation.
 - In areas with extreme vibration.

Supplies

- Store the toner and paper in a cool area with low humidity.
- Use of other than genuine Panasonic supplies can damage the machine. This may void the warranty of the machine and supplies. Be sure to use only genuine Panasonic Toner Cartridge (UG-5591) / Drum Cartridge (UG-5590) designed for optimum performance.
- Dispose of Toner Cartridge and/or OPC Drum Unit(s) according to your local regulations.

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 cheques
- 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:

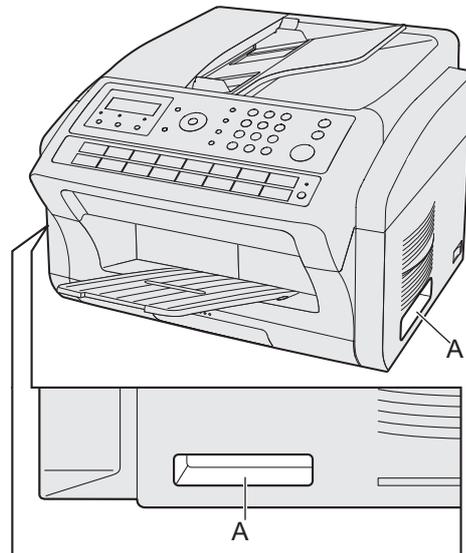
Install your machine near a supervised area to prevent illegal copies from being made.

Others

Panasonic is not responsible for data loss and any consequence caused by computer virus infection or external shocks.

Moving the unit

When moving the unit, hold by the grips (A) on both sides.





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.



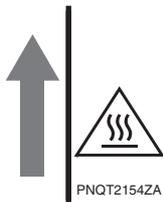
■ Laser diode properties:

Laser output: Max. 15 mW

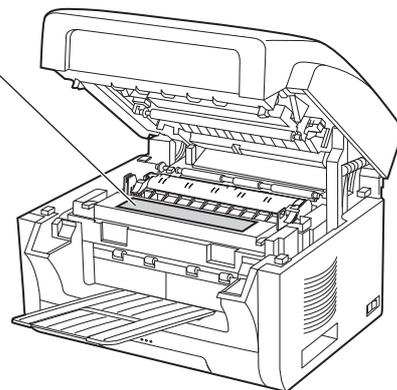
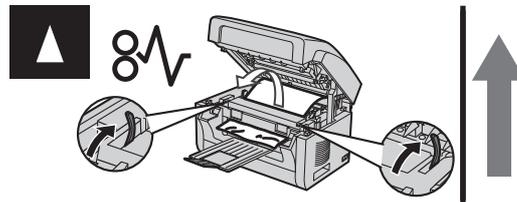
Wavelength: 760 nm - 800 nm

Emission duration: Continuous

■ Caution Label



CAUTION : Hot Surface
ATTENTION : Surface Chaude
PRECAUCIÓN : Superficie Caliente
VORSICHT : Heisse Oberfläche
ATTENZIONE : Superficie Calda
ΠΡΟΣΟΧΗ : Θερμή επιφάνεια
CUIDADO : Superficie Quente
注意 : 表面很热



Security Suggestions for Key Operators

To keep your machine's highly-sensitive document data secure, the designated Key Operators are instructed to perform the recommended security measures described below for the initial machine installation, network connection, network configuration, setup of security functions, and replacement and disposal of the machine.

1. Key Operators are required to verify the identity of the manufacturer's service technician, or of an affiliated company's staff, or marketing company, by requesting their ID Card.

Do not give the device information by phone or Email.

2. Always connect through a Firewall when installing your device on a network that is connected to the Internet. When connecting this device to a client PC or a server, we recommend configuring your network environment with a switching hub to prevent your device from being wiretapped.

3. A Key Operator ID Code and Passwords is essential to maintaining the security of the device. Key Operators are required to change the ID Code and Passwords from the initial setting, and keep the ID Code and Passwords confidential and in a safe place.

4. To prevent illicit use by unauthorized personnel, perform the following for ID/password settings.

- 1) Use the maximum number of digits.
- 2) Use a variety of the accepted character types.
- 3) Change the ID and password periodically.

Make sure that the setting screen can only be seen by the Key Operator when setting/changing various ID and passwords. Keep this information confidential.

5. Delete the data completely before transferring or destroying the device.

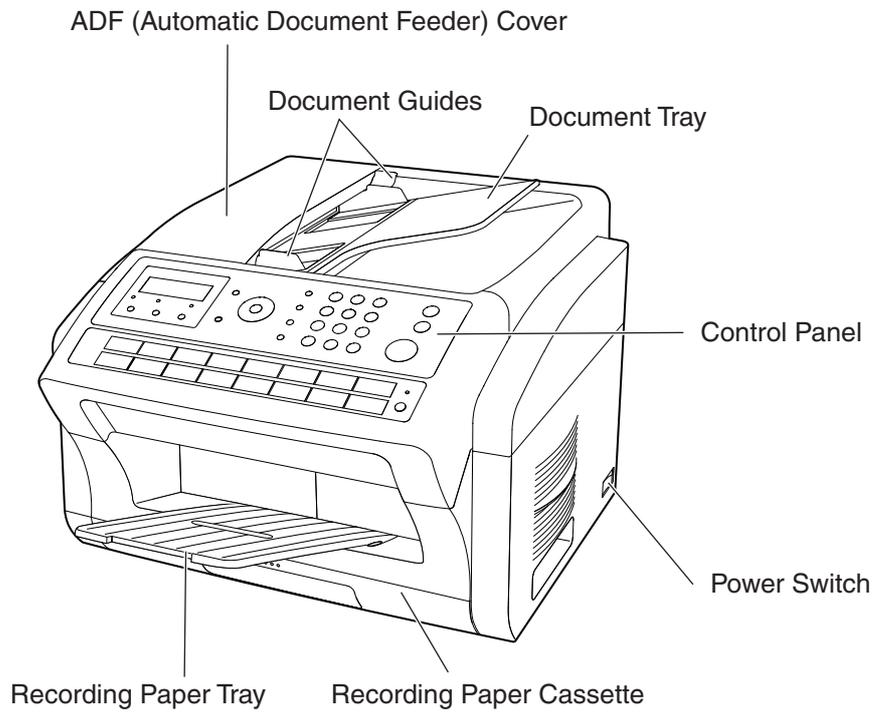
6. Scanned(text and images), received and set/registered information(addresses) are your responsibility. If the device malfunctions and the data are deleted, it cannot be recovered and is not covered in the warranty.

7. Incorrect settings may leak settings or impede use of this device. Check the details carefully when performing settings.

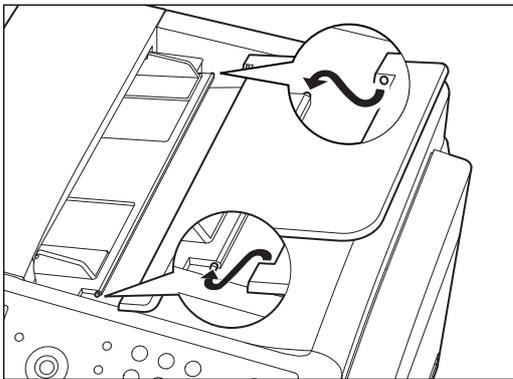
8. On occasion, the clock may need adjustment. (lunar inequality: 1 minute)

The Key Operator plays a critical part in maintaining and controlling the security of the device and in prevention of its unauthorized access, therefore, it is of utmost importance that you understand the content described in the Operating Instructions and that you follow the suggestions herein.

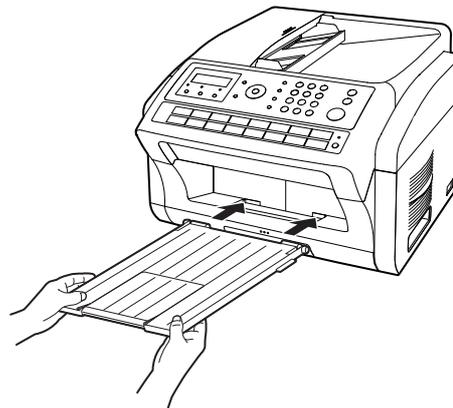
External View



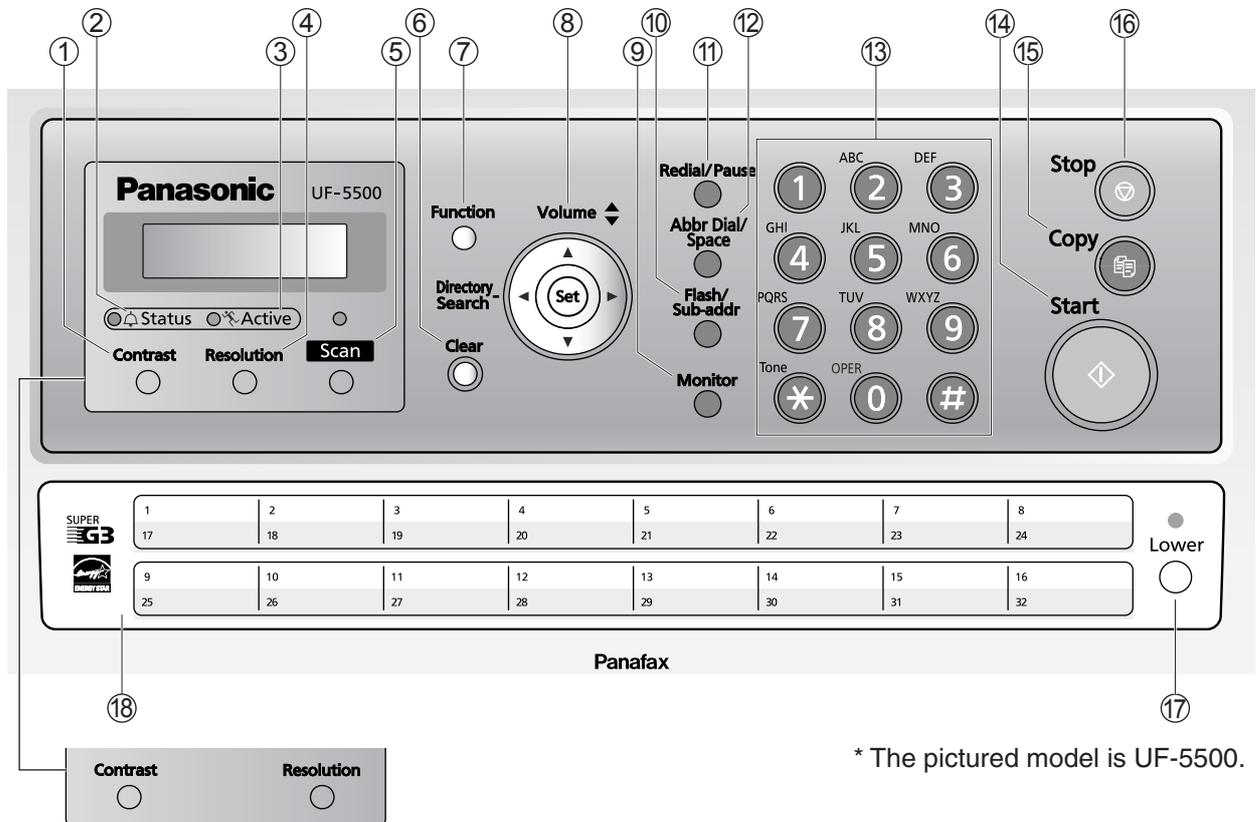
■ Document Tray



■ Recording Paper Tray



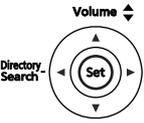
Control Panel



* The pictured model is UF-5500.

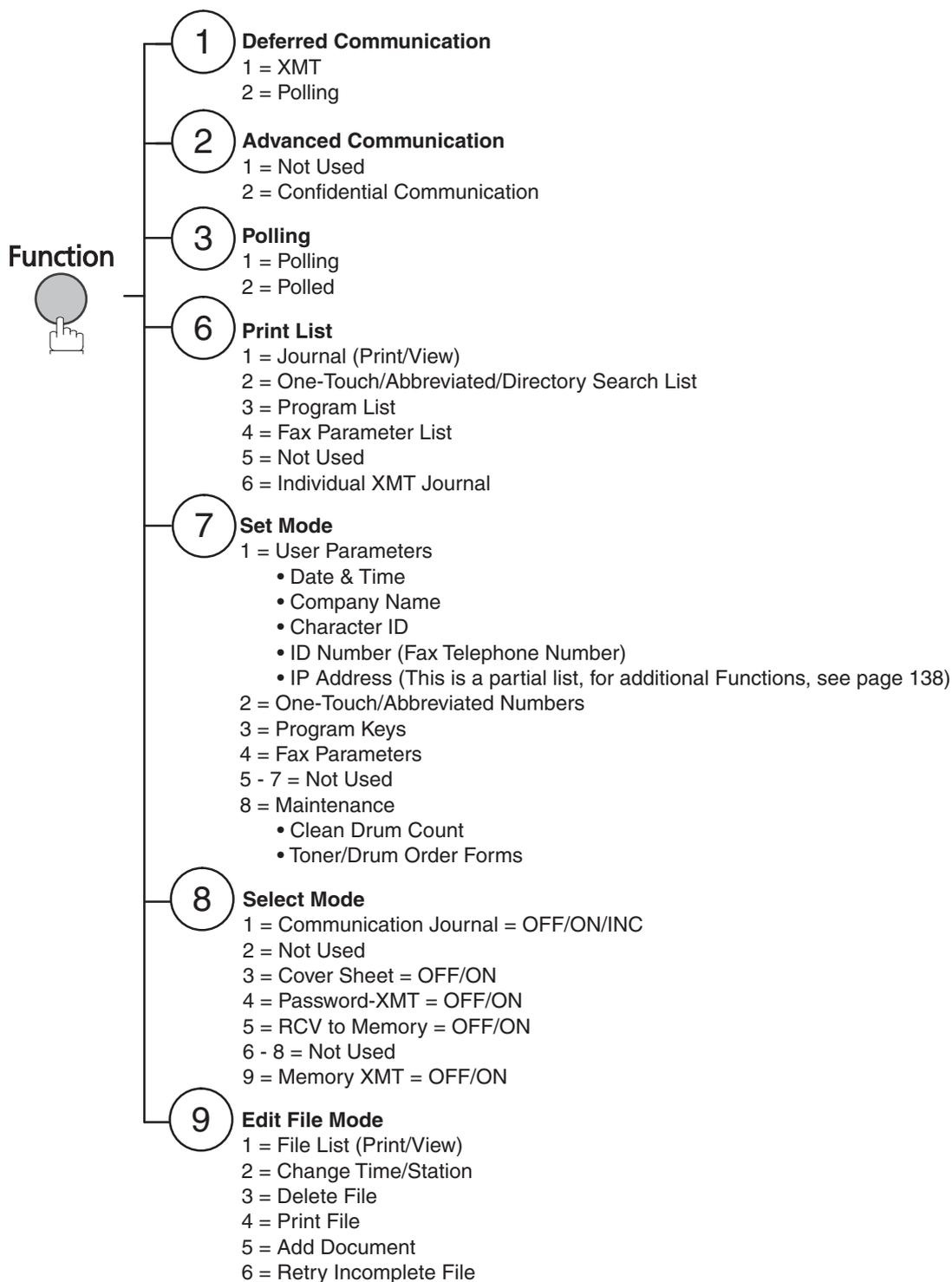
* The picture shows the position of the UF-4500 Resolution button.

No.	Icon	Contents	No.	Icon	Contents
①	<p>Contrast</p> 	- Used to set to Normal, Lighter or Darker. (See page 46)	②		<p>Status LED lamp (RED)</p> <ul style="list-style-type: none"> - Lights/Flashes when trouble occurs. <p>Lights: Machine has detected a trouble status</p> <ul style="list-style-type: none"> - No paper in the selected tray or toner has run out. - Machine has detected trouble, such as paper misfed or jammed. <p>Flashes: Machine detected an alarm status</p> <ul style="list-style-type: none"> - No paper in the tray. (Tray not selected) - Toner is getting low, etc.

No.	Icon	Contents	No.	Icon	Contents
③		Active LED lamp (GREEN) Flashes: When machine is active. Lights: When the received fax message is in memory.	④	 Resolution	- Used to set to Standard, Fine, Super-Fine or Halftone. (See page 46)
⑤	 Scan	Used for Scanner Function. (For UF-5500 only)	⑥	 Clear	- Use this button when resetting all the previously set functions.
⑦	 Function	- Used to start or select the function. (See page 18)			
⑧		Used for the following: - Used to carry out setting operations. - Search for a station name. (See pages 52 and 60) - Adjust the monitor and ringer volume. (See page 25) - Move the cursor while entering numbers and characters. - Search the station name for Directory Search Dialing. - Confirm the entered station for multi-station communication. - Confirm the current communication modes (Ex: Page number, ID, Dialed Telephone number, File number) when the unit is ON LINE.			
⑨	 Monitor	- Used to start On-Hook Dialing. (See page 61)	⑩	 Flash/ Sub-addr	- Used to separate the Sub-Address from the telephone number.
⑪	 Redial/Pause	- Used to enter a pause when entering or dialing a telephone number, or to redial the last dialed number.	⑫	 Abbr Dial/ Space	- Used to start Abbreviated Dialing. (See pages 51 and 59)
⑬		Keypad - Used for manual number dialing, entering phone numbers, and numerical entries. * Key - Used to temporarily change the dialing mode to Tone when Pulse mode is set.			
⑭	 Start	- Press this key to start activation.	⑮	 Copy	- Used for copy operations. (See page 75)
⑯	 Stop	- Press this button when you want to stop communication, registration operation, or audible tone.	⑰	 Lower	Used to switch between the upper row (01-16) or lower row (17-32) of the One-Touch Keys.
⑱		One-Touch Keys (01-32) - Used for One-Touch Dialing. (See pages 51 to 58)			

Function Key

Any function can be started by first pressing and then entering the function number, or by pressing the ▼ or ▲ scroll keys repeatedly until the desired function appears on the display.



■ Power Cord

Plug the supply cord into the main AC socket outlet. Connect the supply cord coupler into the main supply inlet on the rear of the machine.

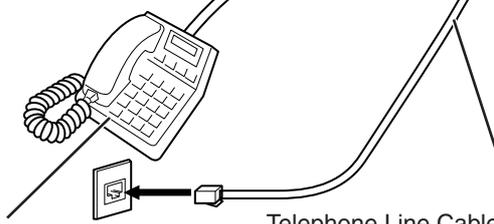
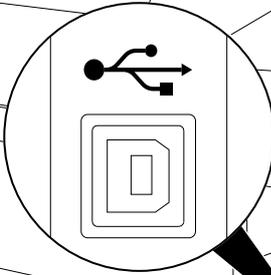
Warning: This apparatus must be properly grounded. Do not modify the AC outlet.



Power Cord (Included)

■ USB Cable (Optional) (USB 2.0): UF-5500 Only

For connecting a USB Cable when using your machine as printer and/or scanner.



Telephone Jack

Telephone Line Cable (Included)

■ External Telephone (Optional)

You can connect an additional standard single line telephone to the machine. To connect the telephone, break off the protective tab on the TEL jack.

If using an External Telephone option with the machine, the machine does not detect the external telephone being in use.

When sending a Fax, ensure the external telephone is hung up before dialing.

■ LAN Cable (Optional) : UF-5500 Only

For connecting a LAN Cable when using your machine as printer, scanner and/or PC Fax.

■ Telephone Line Cable

Plug one end of the telephone line cable into the telephone jack supplied by the telephone company and the other end into the LINE jack on the left side of the machine.

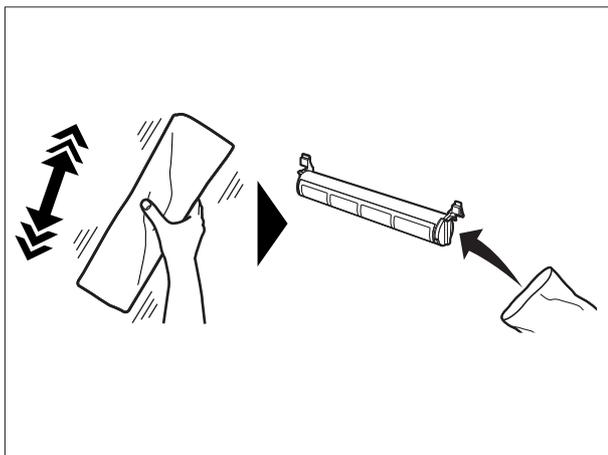
Do not extend the telephone line cord. In the event of problems, you should contact your equipment supplier in the first instance.

Warning:

- To assure continued emission limit compliance;
 - use only shielded USB cable (Example: Hi-Speed USB 2.0 certified cable).
 - use only shielded LAN cable (category 5 straight cable).
- To protect the unit, use only shielded USB cable in areas where thunderstorms occur.

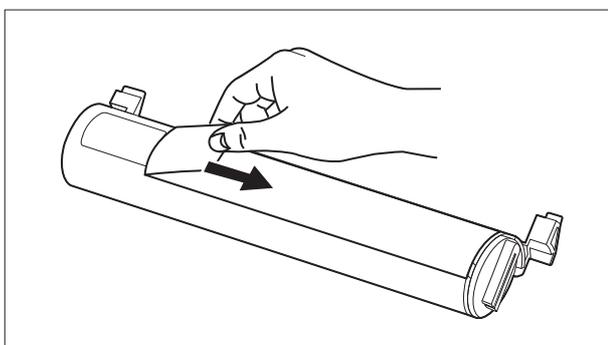
Installing the Toner and Drum Cartridge

1



Shake vertically more than 5 times.

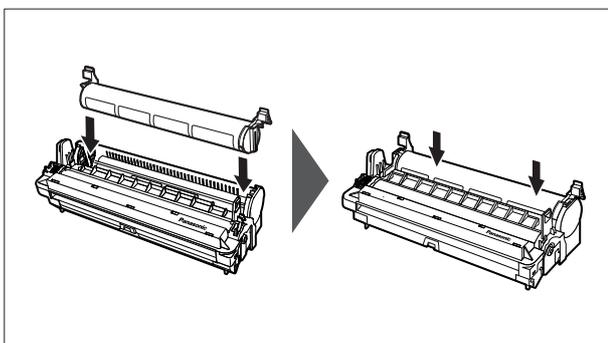
2



Remove the protective seal.

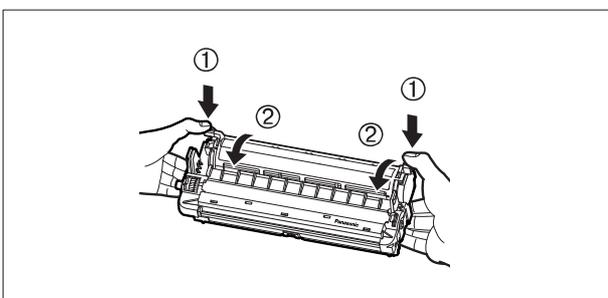
Note: Pull on the seal slowly and straight out.

3



Set the Toner Cartridge into the Drum Cartridge.

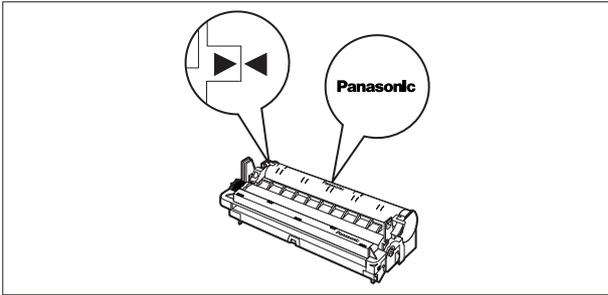
4



Firmly press down on the toner cartridge (①). Keep pressing down while turning both levers located on each side of the toner cartridge towards you (②).

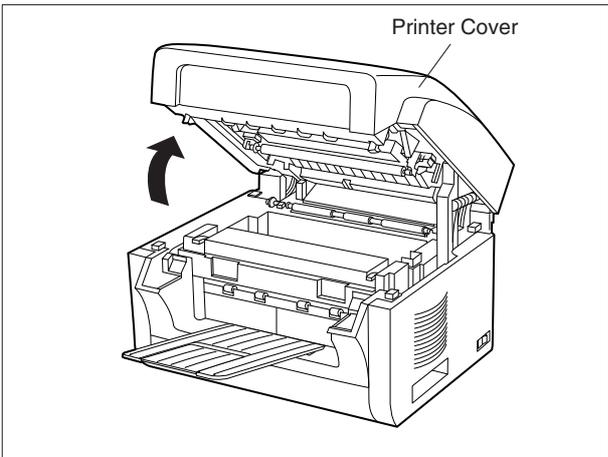
Installing the Toner and Drum Cartridge

5

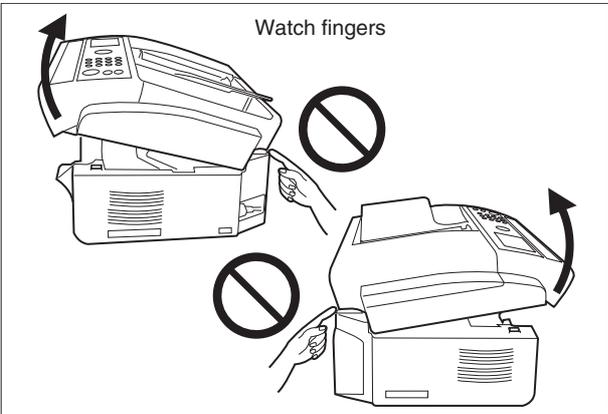


Make sure that the arrows match, to install the toner cartridge correctly.

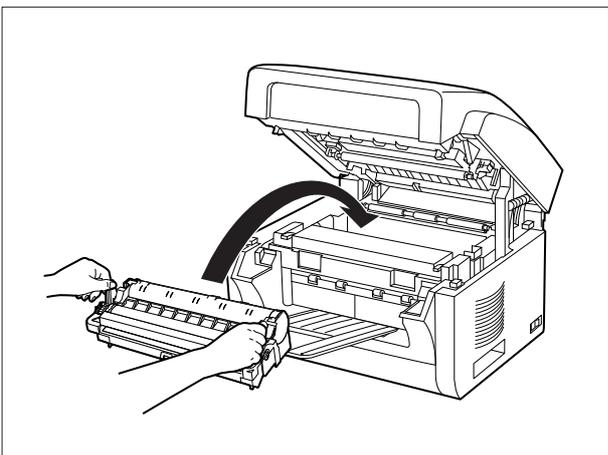
6



Open the Printer Cover.



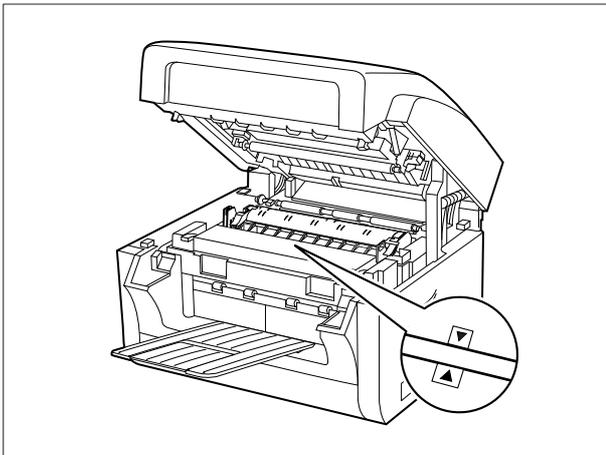
7



Set the Toner and Drum Cartridge into the machine.

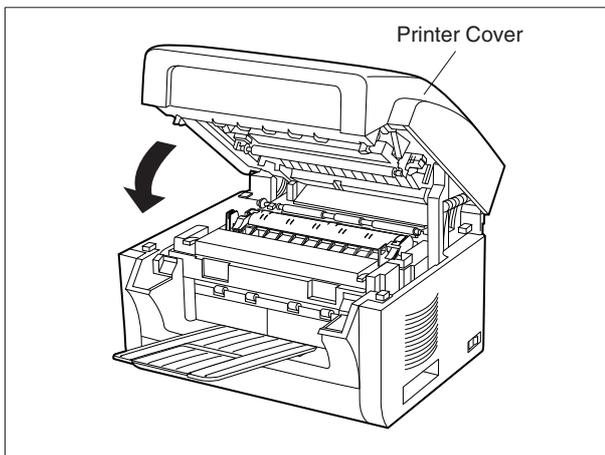
Installing the Toner and Drum Cartridge

8

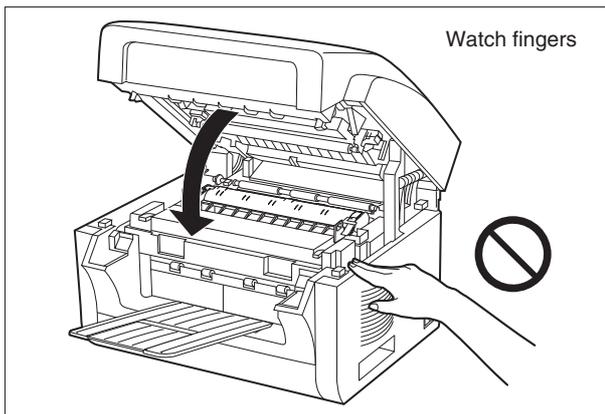


Verify that the arrow marks match.

9



Close the Printer Cover.



NOTE

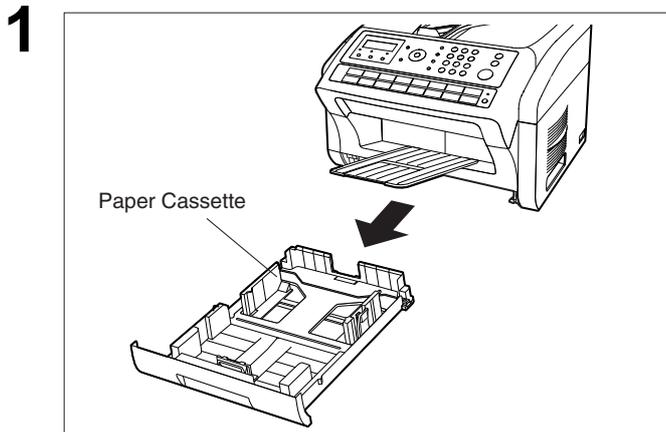
1. Used toner cartridge should be disposed of properly according to local regulations.

Loading the Recording Paper

How to Load the Recording Paper

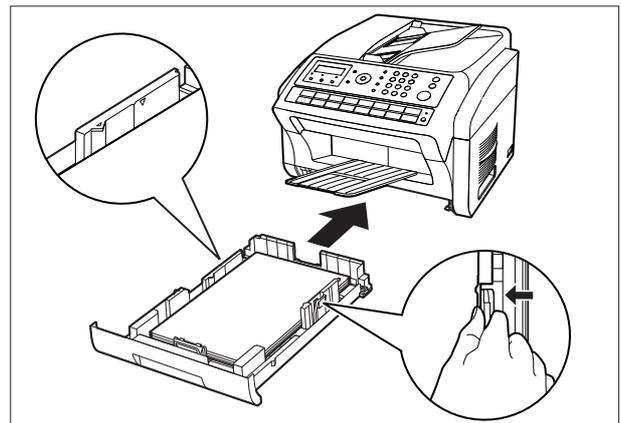
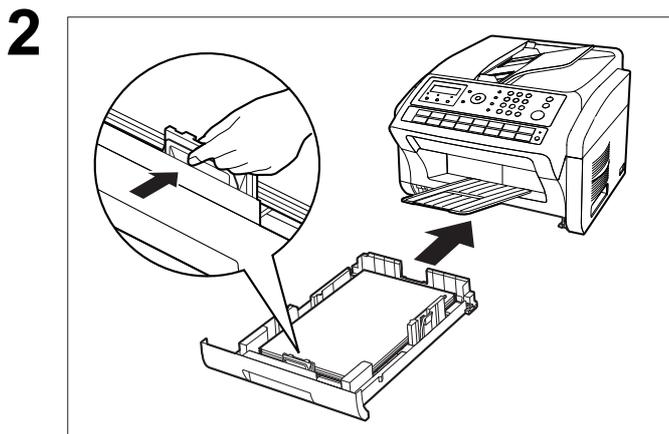
Paper Specifications

In general, most bond papers will produce excellent results. Most photocopy papers will also work very well. There are many "name" and "generic" brands of paper available. We recommend that you test various papers until you obtain the desired results. For detailed recommended paper specifications, (See page 180).



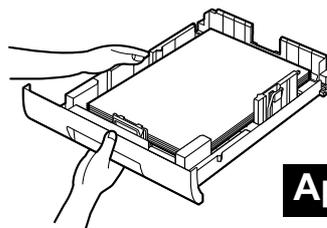
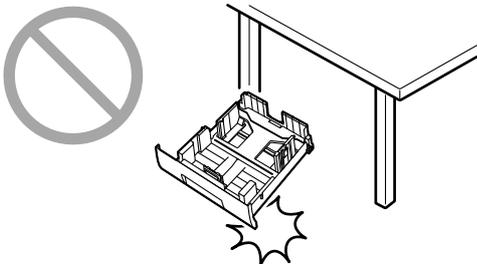
Pull the Paper Cassette until it clicks into place, then pull it out, lifting the front part of the cassette.

1. Load the paper into the Paper Cassette. Slide the paper width and length guides until they lightly touch the stack of paper without bending the paper.
2. Insert the Paper Cassette into the machine, lifting the front part of the cassette. Then push it completely into the machine.



Caution for the Paper Cassette

- Do not drop the Paper Cassette.
- Hold the Paper Cassette with both hands when removing or installing. The Paper Cassette weighs approximately 2 kg (4.4 lb) when fully loaded with recording paper.



Approx. 2 kg

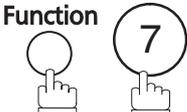
NOTE

1. If you neglect to change the Recording Paper Size setting in Fax Parameter No. 23, when a different paper is installed in the cassette, the unit will Stop printing after receiving an unmatched paper size (up to 3 pages) of Incoming Fax, then, the Recording Paper Size setting will automatically adjust to the proper size, and the unit resumes reprinting the Incoming Fax from the 1st page.

Setting the Dialing Method (Tone or Pulse)

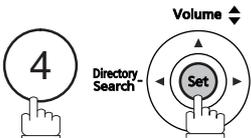
Your machine can operate with either of two dialing methods (Tone or Pulse), depending on the type of telephone line you are connected to. If you need to change the dialing method to Tone or Pulse, follow the procedure below.

1



```
SET MODE (1-8)
ENTER NO. OR V^
```

2



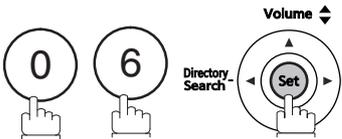
```
KEY OPERATOR ID
ENTER ID=#
```

3

Enter the Key Operator Password (The factory default password is 00000000.) and press .

```
FAX PARAMETERS
NO.=# (01-169)
```

4



```
DIALING METHOD?
TONE<>
```

5



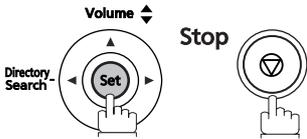
```
DIALING METHOD?
PULSE<>
```

or



```
DIALING METHOD?
TONE<>
```

6



Adjusting the Volume

You can adjust the monitor and ringer volume on your machine. The built-in speaker enables you to hear the dial tone, dialing signals, and busy tone. The ringer sounds when your machine receives a call.

Setting the Monitor Volume

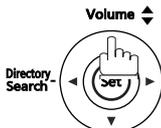
1

Monitor



You will hear the dial tone through the speaker.

2

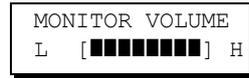


repeatedly to raise the volume.

OR



repeatedly to lower the volume.



3

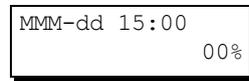
Monitor



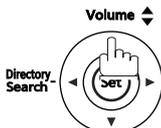
Setting the Ringer Volume

1

Standby



2



repeatedly to raise the volume.

OR



repeatedly to lower the volume.



3

Stop



NOTE

1. You can also adjust the volume of the key touch tone and the volume of the buzzer in the Fax Parameter No. 10 (KEY/BUZZER VOLUME). (See page 38)

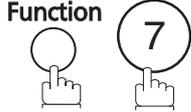
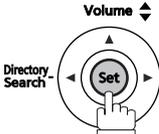
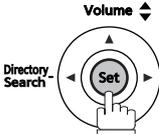
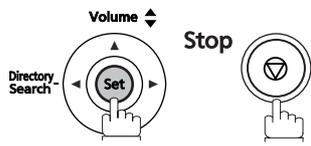
User Parameters

General Description

Your facsimile machine has several basic settings (User Parameters) to help you keep records of the documents you send or receive. For example, the built-in clock keeps the current date and time, and your LOGO and ID number help to identify you when you send or receive documents.

Setting the Date and Time

At standby the display will show the date and time. Once the standby display is set, it will automatically be updated.

1	Function 	<pre>SET MODE (1-8) ENTER NO. OR V^</pre>
2		<pre>USER PARAMETERS? PRESS SET</pre>
3		<pre>KEY OPERATOR ID ENTER ID=■</pre>
4	Enter the Key Operator Password.	<pre>KEY OPERATOR ID ENTER ID=*****■</pre>
5		<pre>DATE & TIME ■1-01-2011 00:00</pre>
6	Enter the new date and time. Ex: ① ⑧ Month: August ① ② Date: 12th ② ① ① Year: 2011 ① ⑤ ① ① Time: 3:00 PM	<pre>DATE & TIME ■8-12-2011 15:00</pre>
7	If you made a mistake, use ◀ or ▶ to move the cursor over the incorrect number, then overwrite it with the correct one. 	

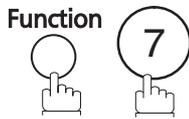
NOTE

1. The clock may occasionally require adjustment. (Lunar inequality : ± 1 minute)
2. The clock of your machine is equipped with D.S.T. (Daylight Saving Time) system. (Set the Daylight Time according to your local regulation.)
If your state does not use the D.S.T. system, change the Fax Parameter No. 35 (DAYLIGHT TIME) to "OFF". (See page 39)
3. The current Date & Time must be set because it is required by the Telephone Consumer Act of 1991. (For details, see FCC NOTICE at the end of this Operating Instructions)

Setting Your LOGO (NAME/COMPANY)

When you send a document, your LOGO appears on the top of the copy printed out at the other station. The LOGO helps to identify you to someone who receives your document.

1



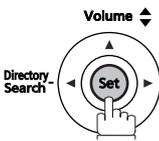
```
SET MODE (1-8)
ENTER NO. OR √∧
```

2



```
USER PARAMETERS?
PRESS SET
```

3



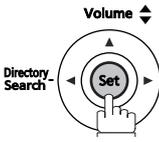
```
KEY OPERATOR ID
ENTER ID=■
```

4

Enter the Key Operator Password.

```
KEY OPERATOR ID
ENTER ID=*****■
```

5



repeatedly until display shows;

```
COMPANY/NAME
■
```

6

Enter your LOGO (Up to 25 characters and digits) by using the Keypad.

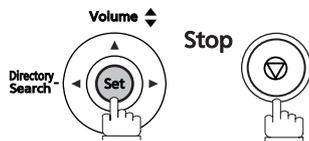
Ex: **P A N A S O N I C**

If you made a mistake, use ◀ or ▶ to move the cursor one space beyond the incorrect character, press **Clear** and then re-enter the new character.

If more than 16 characters are entered, the left side characters will scroll off the display.

```
COMPANY/NAME
PANASONI■
```

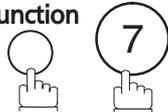
7



User Parameters

Setting Your Character ID

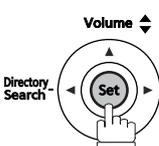
If the remote machine has Character ID capabilities, when you are sending or receiving, your Character ID will appear on the remote machine's display and the remote machine's Character ID will appear on your display.

- 1** **Function** 

SET MODE (1-8)
 ENTER NO. OR V^

- 2** 

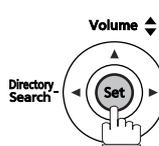
USER PARAMETERS?
 PRESS SET

- 3** 

KEY OPERATOR ID
 ENTER ID=■

- 4** Enter the Key Operator Password.

KEY OPERATOR ID
 ENTER ID=*****■

- 5**  repeatedly until display shows;

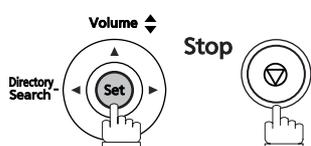
CHARACTER ID
 ■

- 6** Enter your Character ID (Up to 16 characters and digits) by using the Keypad.

Ex: H E A D Abbr Dial/Space O F F I C E

If you made a mistake, use ◀ or ▶ to move the cursor beyond the incorrect character, press Clear and then re-enter the new character.

CHARACTER ID
 HEAD OFFIC■

- 7** 

NOTE

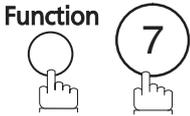
1. The special characters Å, å, Ä, ä, Ö, ö, Û, ü, È, è, É, é, Æ, æ and Ñ cannot be used for Character ID.

Setting Your ID Number (Fax Telephone Number)

If the remote machine does not have a Character ID but has an ID Number, when sending or receiving, your ID Number will appear on the remote machine's display and their ID Number will appear on your display.

We suggest you use your facsimile telephone number as your ID number. (Up to 20 digits)

1



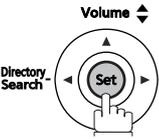
SET MODE (1-8)
ENTER NO. OR √^

2



USER PARAMETERS?
PRESS SET

3



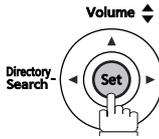
KEY OPERATOR ID
ENTER ID=■

4

Enter the Key Operator Password.

KEY OPERATOR ID
ENTER ID=*****■

5



FAX TEL NO
■

repeatedly until display shows;

6

Enter your ID (up to 20 digits) by using the keypad and press the **Abbr Dial/Space** key to enter a space between numbers.

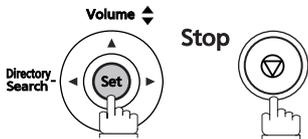
FAX TEL NO
201 555 1212■

Ex: (2) (0) (1) **Abbr Dial/Space** (5) (5) (5)
Abbr Dial/Space (1) (2) (1) (2)

If you made a mistake, use ◀ or ▶ to move the cursor one space beyond the incorrect number, press **Clear** and then re-enter the new number.

If more than 16 characters are entered, the left side characters will scroll off the display.

7



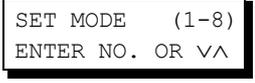
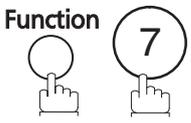
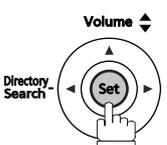
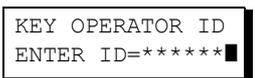
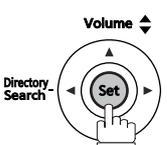
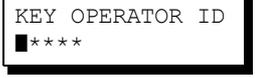
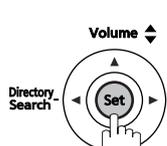
NOTE

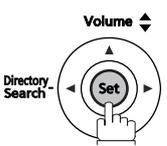
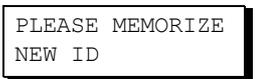
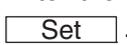
- You may use * to enter a "+" character at the beginning of the ID number to indicate the following digit(s) for your country code.
Ex: +1 XXX XXX XXXX+1 for U.S.A. country code.
 +81 X XXX XXXX +81 for Japan country code.
- Your Fax Telephone Number must be set as your ID Number because it is required by the Telephone Consumer Act of 1991. (For details, see FCC NOTICE at the end of this Operating Instructions)

User Parameters

Setting the Key Operator Password

The Key Operator Password is user-definable. (The factory default password is 00000000.) Using the keypad on the control panel, you can enter numbers, letters (case-sensitive), and symbols (@, .., _, SPACE) for the password. (The * and # keys cannot be used.)

- 1** **Function** 
- 2** 
- 3** 
- 4** Enter the Key Operator Password.
- 5** 
- 6** 

repeatedly until the display shows;
- 7** **Clear** 
- 8** Enter the new Key Operator Password (up to 8 characters and digits) by using the keypad.
Ex: 
- 9** 
- 10** Enter the new Key Operator Password again and press 
- 11** **Stop** 

Entering Characters

The Keypad also serves as character and symbol input key when recording LOGO, Character ID, Department Name, Key Operator Password, program name and station name. Select the desired characters according to the following table.

Keys	Character Table															
	Number of times key is pressed															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
①	1	Å	å	Ä	ä	Ö	ö	Ü	ü	È	è	É	é	Æ	æ	Ñ
② ^{ABC}	2	A	B	C	a	b	c									
③ ^{DEF}	3	D	E	F	d	e	f									
④ ^{GHI}	4	G	H	I	g	h	i									
⑤ ^{JKL}	5	J	K	L	j	k	l									
⑥ ^{MNO}	6	M	N	O	m	n	o									
⑦ ^{PQRS}	7	P	Q	R	S	p	q	r	s							
⑧ ^{TUV}	8	T	U	V	t	u	v									
⑨ ^{WXYZ}	9	W	X	Y	Z	w	x	y	z							
⑩	Press this button to select the following characters: 0 ! " \$ % & ' () + , - . / : ; < = > ? @ [\] ^ _ ` { }															
* [✳]	*															
# [✳]	#															

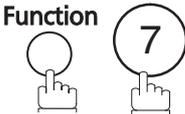
Keys	Special Usage
Abbr Dial/Space  Monitor 	Enters a SPACE.
Volume  Directory Search 	Moves the cursor to the right and left.
Clear 	Deletes a character.

One-Touch/Abbreviated Dialing Numbers

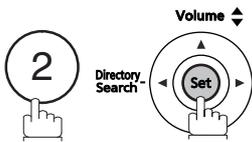
Entering One-Touch/Abbreviated Dialing Numbers

One-Touch and Abbreviated Dialing are two fast ways of dialing full telephone numbers. To use these dialing methods, you must first store the telephone number using the following procedure.

To enter a One-Touch key, follow the steps below

1 **Function** 

SET MODE (1-8)
 ENTER NO. OR √^

2 

1: ONE-TOUCH
 2: ABBR NO.

3 

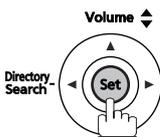
ONE-TOUCH< >
 PRESS ONE-TOUCH

4 **Ex:** (See Note 1) 

<01>
 ENTER TEL.#

5 Enter the telephone number
(Up to 36 digits including pauses and spaces).
Ex: (9) (5) (5) (5) (1) (2)
 (3) (4)

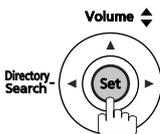
<01>
 9-555 1234

6 

<01> ENTER NAME
 9-555 1234

7 Enter the station name using Keypad
(Up to 15 characters).
Ex:

<01> SALES DEP
 9-555 1234

8 

ONE-TOUCH< >
 PRESS ONE-TOUCH

To record another number, repeat steps 4 to 8.

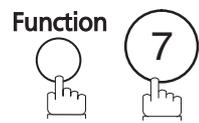
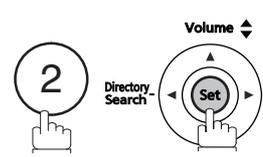
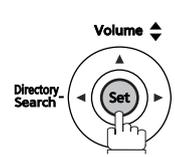
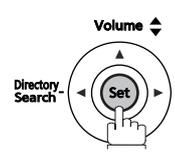
To return to standby, press .

NOTE

1. Press to select a lower One-Touch key (17-32).

One-Touch/Abbreviated Dialing Numbers

To set an Abbreviated Dialing Number, follow the steps below

- | | | |
|----------|---|-----------------------------------|
| 1 | <p>Function</p>  | SET MODE (1-8)
ENTER NO. OR √^ |
| 2 |  | 1: ONE-TOUCH
2: ABBR NO. |
| 3 |  | ABBR [■]
ENTER ABBR NO. |
| 4 | <p>Ex: ① ② ② (001 to 168)</p> | [022]
ENTER TEL.# |
| 5 | <p>Enter the telephone number
(Up to 36 digits including pauses and spaces).</p> <p>Ex: ⑨ [Redial/Pause] ⑤ ⑤ ⑤ [Abbr Dial/Space] ② ③
 ④ ⑤</p> | [022]
9-555 2345 ■ |
| 6 |  | [022] ■ ENTER NAME
9-555 2345 |
| 7 | <p>Enter the station name using Keypad
(Up to 15 characters).</p> <p>Ex: A C C O U N T I N G</p> | [022] ACCOUNTIN ■
9-555 2345 |
| 8 |  | ABBR [■]
ENTER ABBR NO. |

To record another number, repeat steps 5 to 8.

To return to standby, press Stop.

NOTE

1. If you require a special access number to get an outside line, enter it first and then press Redial/Pause. A hyphen "-" is displayed for pause.
2. If you are using Pulse dialing and you wish to change to Tone dialing in the middle of dialing, press ***** (Represented by a"/"). The dialing method will be changed from Pulse to Tone after dialing the digit "/".
Ex: 9 PAUSE * 5551234
3. You can search for an unused One-Touch key or ABBR. number by pressing ▲ or ▼ in step 5.

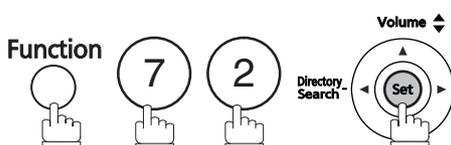
One-Touch/Abbreviated Dialing Numbers

Editing One-Touch/Abbreviated Dialing Numbers

If you have to change or delete any of the One-Touch/Abbreviated dialing numbers, follow the steps below.

To change the settings of a One-Touch/ABBR dialing number

1



```
1: ONE-TOUCH
2: ABBR NO.
```

2

Select ① for One-Touch Dialing number
Select ② for ABBR. Dialing Number

```
ONE-TOUCH< >
PRESS ONE-TOUCH
```

Ex: ①

3

Enter the station you wish to change.

Ex:

```
<01> SALES DEPT
-555 1234
```

4

Clear



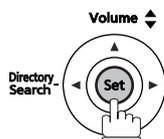
```
<01> SALES DEPT
-ENTER TEL.#
```

then enter a new telephone number. (See Note 1)

Ex: ⑨ ⑤ ⑤ ⑤ ③ ④
⑤ ⑥

```
<01> SALES DEPT
9-555 3456
```

5



```
<01> SALES DEPT
9-555 3456
```

6

Clear



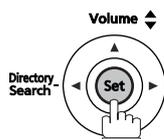
```
<01> -ENTER NAME
9-555 3456
```

then enter a new station name. (See Note 1)

Ex:

```
<01> PANAFAX
9-555 3456
```

7



```
ONE-TOUCH< >
PRESS ONE-TOUCH
```

To return to standby, press .

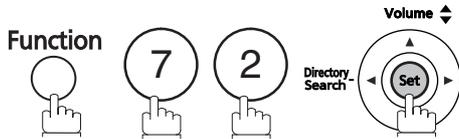
NOTE

1. If you made a mistake, use ◀ or ▶ to move the cursor beyond the incorrect number, press and then re-enter the new number.

One-Touch/Abbreviated Dialing Numbers

To delete the settings of One-Touch/ABBR Dialing number

1



```
1:ONE-TOUCH
2:ABBR NO.
```

2

Select ① for One-Touch Dialing number
Select ② for ABBR. Dialing Number

```
ONE-TOUCH< >
PRESS ONE-TOUCH
```

Ex: ①

3

Enter the station you wish to delete.

Ex:

```
<01> SALES DEPT
■-555 1234
```

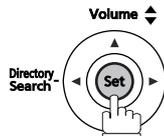
4

Clear



```
<01> SALES DEPT
■ENTER TEL.#
```

5



```
ONE-TOUCH< >
PRESS ONE-TOUCH
```

To return to standby, press .

One-Touch/Abbreviated Dialing Numbers

Printing Out a Directory Sheet

For UF-5500

Cut along the solid line and place it over the One-Touch key under the Directory Sheet Cover. To print out a directory sheet, the Network Address Book Editor must be installed in your PC in advance. Refer to the Help pages of the software for the procedures to print the directory sheet.

For UF-4500

To print a Directory Sheet for the UF-4500, open the Microsoft® Word file Template included in the CD-ROM. Using MS Word, type the Station's Name for each Key <01> to <32>, then print the completed Template. Ex.: "<01>" ---> "PANASONIC"

Directory Sheet Template *1

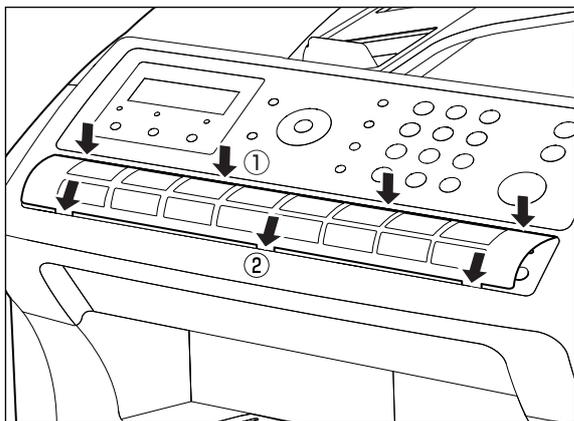
PANASONIC	< 02 >	< 03 >	< 04 >
AMERICA	AFRICA	< 19 >	< 20 >
ASIA	CANADA	BRAZIL	< 12 >
JAPAN	< 26 >	< 27 >	< 28 >

*1 The UF-4500 does not have a PC Printing function, therefore, use another printer to print the Directory Sheet.

Cut along the solid line

PANASONIC		
AMERICA	AFRICA	
ASIA	CANADA	BRAZIL
JAPAN		

solid line



Customizing Your Machine

General Description

Your facsimile machine has a variety of adjustable Fax Parameters. These parameters, listed in the Parameter Table, are preset for you and do not need to be changed. If you do want to make a change, read the table carefully. Some parameters, such as the Resolution and Contrast parameters, can be temporarily changed by simple key operations just before a transmission is made. When the transmission ends, however, these parameters return to their preset values (home position). Other parameters can only be changed by the procedure described below.

Setting the Fax Parameters

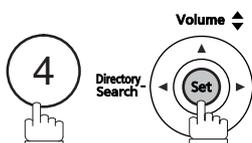
1

Function



```
SET MODE (1-8)
ENTER NO. OR V^
```

2



```
KEY OPERATOR ID
ENTER ID=■
```

3

Enter the Key Operator Password (The factory default password is 00000000.) and press .

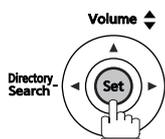
```
FAX PARAMETERS
NO.=■ (01-169)
```

4

Enter Fax Parameter number from the Parameter Table.
Ex: ① ① for **CONTRAST**

```
FAX PARAMETERS
NO.=01■ (01-169)
```

5



```
CONTRAST?
NORMAL<>
```

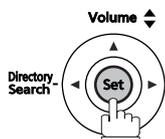
6

Enter the new setting value or press .

Ex: ② for **LIGHTER**

```
CONTRAST?
LIGHTER<>
```

7



```
RESOLUTION?
STANDARD<>
```

To set another parameter, press to return to step 4 or press to return to standby.

NOTE

1. To print out a Fax Parameter List. (See page 164)

Customizing Your Machine

Fax Parameter Table

No.	Parameter	Setting Number	Setting	Comments
01	CONTRAST	1	NORMAL	Setting the home position of the CONTRAST key.
		2	LIGHTER	
		3	DARKER	
02	RESOLUTION	1	STANDARD	Setting the home position for the RESOLUTION.
		2	FINE	
		3	S-FINE	
		4	HALFTONE	
05	MEMORY (HOME)	1	OFF	Setting the home position for memory transmission mode. (This setting can be temporarily changed by using F8-9 (MEMORY XMT))
		2	ON	
06	DIALING METHOD	1	PULSE	Selecting the dialing method.
		2	TONE	
07	HEADER PRINT	1	INSIDE	Selecting the printing position of the header. INSIDE : Inside TX copy area. OUTSIDE : Outside TX copy area. NO PRINT : Header is not printed.
		2	OUTSIDE	
		3	NO PRINT	
08	HEADER FORMAT	1	LOGO, ID NO.	Selecting the header format.
		2	FROM TO	
09	RCV'D TIME PRT	1	INVALID	Selecting whether the machine prints the received date & time, remote ID, percentage of reduction and page number on the bottom of each received page.
		2	VALID	
10	KEY/BUZZER VOL.	1	OFF	Selecting the volume of the Key/Buzzer tone.
		2	SOFT	
		3	LOUD	
11	RCV JOURNAL	1	OFF	Setting whether the machine (automatically) prints out on individual transaction journal on each reception.
		2	ON	
12	COMM. JOURNAL	1	OFF	Selecting the home position of printout mode for COMM. Journal Off/Always/INC. OFF : Does not print ALWAYS : Always prints INC. ONLY : Prints only when communication has failed.
		2	ALWAYS	
		3	INC. ONLY	
13	AUTO JRNL PRINT	1	INVALID	Selecting whether the machine prints the journal automatically after every 32 transactions.
		2	VALID	
17	RECEIVE MODE	1	TEL	Setting the receive mode.
		2	FAX	
		3	FAX/TEL SW.	
		4	TAM/FAX	

Customizing Your Machine

No.	Parameter	Setting Number	Setting	Comments
18	OP CALL TIMER	1	20 SEC	Selecting the length of time that your machine signals (rings) for an incoming voice call in Fax/Tel Auto Switching mode. (See page 68)
		2	30 SEC	
		3	40 SEC	
		4	50 SEC	
22	SUBSTITUTE RCV	1	INVALID	Selecting whether the machine receives to memory when recording paper runs out, toner runs out or recording paper is jammed.
		2	VALID	
23	REC. PAPER SIZE	1	A4	Setting the recording paper size installed in your machine. Note: Setting the "LEGAL" size of recording paper only when you install the optional legal cassette in your machine.
		2	LETTER	
		3	LEGAL	
24	PRINT REDUCTION	1	FIXED	Selecting print reduction mode. FIXED : Reduce received document according to setting of Parameter No. 25. AUTO : Reduce received document according to the length of received documents.
		2	AUTO	
25	REDUCTION RATIO	72	72%	Selecting fixed print reduction ratio from 72% to 100%. This parameter functions only when fixed print reduction is selected on Fax Parameter No. 24.
		----	----	
		100	100%	
26	POLLING PSWD		(----	Setting a 4-digit password for secured polling.
27	POLL. FILE SAVE	1	INVALID	Selecting whether the machine retains the polled document in memory even after the document is polled once.
		2	VALID	
31	INC. FILE SAVE	1	INVALID	Selecting whether the machine retains the document in the memory if the document is not successfully transmitted.
		2	VALID	
32	COPY REDUCTION	1	MANUAL	Selecting whether the machine performs the copy reduction ratio automatically or manually. MANUAL : The machine will prompt you for the Zoom ratio (100% to 72%) when making copies. AUTO : The machine will automatically determine the reduction ratio according to the length of the original document.
		2	AUTO	
34	ENERGY SAVER	1	5min (default)	To reduce power consumption when in standby, specify the delay time for the machine to enter into the Energy Saver Mode.
		2	15min	
		3	30min	
		4	1h	
35	DAYLIGHT TIME	1	OFF	Set the Daylight Time according to your local regulation. OFF : Daylight time is not applied. MAR 2nd : From 2:00 AM on the 2nd Sunday in March to 2:00 AM on the 1st Sunday in November. APR 1st : From 2:00 AM on the 1st Sunday in April to 2:00 AM on the Last Sunday in October.
		2	MAR 2nd	
		3	APR 1st	
36	RING PTN (DRD)	1	INVALID	Selecting whether or not the machine is available for "DRD Service". If this parameter is set to "VALID", your machine detects the specified ring pattern only when receiving a document automatically.
		2	VALID	

Continued on the next page...

Customizing Your Machine

Fax Parameter Table

No.	Parameter	Setting Number	Setting	Comments
37	RCV TO MEMORY		(----	Enter a 8-digit password used to print out the received document in memory by using F8-5 (RCV TO MEMORY). When F8-5 is set to ON, this parameter will not be shown on the LCD display. (See page 95)
38	ACCESS CODE		(----	Enter a 8-digit Access Code to secure the machine from unauthorized use. (See page 93)
39	PIN CODE ACCESS	1	NONE	Selecting the access method (Prefix or Suffix) to dial a number with PIN Code. (See page 106)
		2	SUFFIX	
		3	PREFIX	
42	CONF. FILE SAVE	1	INVALID	Selecting whether the machine saves the confidential polled file even after the file is polled once.
		2	VALID	
43	PASSWORD-XMT	1	OFF	Setting a 4-digit XMT-Password and selecting whether the machine performs and checks the XMT-Password of the receiving station when transmitting. (See page 124)
		2	ON	
44	PASSWORD-RCV	1	OFF	Setting a 4-digit RCV-Password and selecting whether the machine performs and checks the RCV-Password of the transmitting station when receiving. (See page 125)
		2	ON	
46	SELECT RCV	1	INVALID	Selecting whether the machine performs selective reception. (See page 122)
		2	VALID	
47	REMOTE RCV	1	INVALID	Selecting whether or not the machine accepts remote reception command. (See page 67)
		2	VALID	
51	REMOTE DIAG.	1	INVALID	Selecting whether or not the machine accepts to update the firmware or Remote Diagnostics from the remote station. Please ask your Panasonic Authorized Dealer for details.
		2	VALID	
52	DIAG. PASSWORD		(----	Setting the password for Remote Diagnostic Mode. Please ask your Panasonic Authorized Dealer for details.
53	SUB-ADDR PSWD		(----	Setting a 20-digit password for secured sub-address communication.
54	FAX FORWARD	1	INVALID	Selecting whether the machine performs Fax Forwarding to the specified destination. (See page 108)
		2	VALID	
56	COVER SHEET	1	OFF	Setting the home position of the Cover Sheet parameter in the Select Mode. (See page 104)
		2	ON	
58	LANGUAGE	1	A-ENGLISH	Selecting the language to be shown on the display and reports.
		2	C-FRENCH	
		3	SPANISH	
63	PC-FAX RCV MODE (For UF-5500 only)	1	PRINT	Selecting how the machine will execute the received Fax document(s). PRINT : Print the received document(s). UPLD&PRT : Print the received document(s) and upload it's file. UPLOAD : Upload the received document file.
		2	UPLD&PRT	
		3	UPLOAD	
68	DIAL TONE CHECK	1	INVALID	When set to "INVALID", the machine will not check the dial tone.
		2	VALID	

Customizing Your Machine

No.	Parameter	Setting Number	Setting	Comments
77	LOGO/DEPT. CODE	1	INVALID	Selecting whether the machine performs the Multiple Logo or Department Code operation. (See page 110 and 118)
		2	MULTI-LOGO	
		3	DEPT. CODE	
82	QUICK MEM. XMT	1	INVALID	Selecting whether the machine performs Quick Memory Transmission. (See pages 50 to 52) INVALID: Stores all documents into memory first before dialing the telephone number. VALID : Starts dialing the telephone number immediately after storing the first page. The Quick Memory Transmission feature is not available when the Job Build (Fax Parameter No. 133) is set to "2:ON".
		2	VALID	
91	SET ENTERED STN	1	INVALID	Selecting whether to press the SET key when entering station(s) with One-Touch Dialing or Abbreviated Dialing or entering a telephone number with keypad.
		2	VALID	
99	MEMORY SIZE (Flash Memory)	-	-	Displays the memory size.
101	MULTI PRINT	1	OFF	When the machine receive the faxes with MULTI PRINT set "ON", the machine will print the received faxes by the number of copies which you set beforehand.
		2	ON	
102	LCD CONTRAST	1	NORMAL	Setting the LCD contrast on the control panel.
		2	DARKER	
117	MULTI STATION	1	INVALID	Set the default setting for the Multi Station function. INVALID: The document is sent to a single destination only. VALID : Allows sending the document to multiple destinations.
		2	VALID	
125	CONFIRM STNS	1	INVALID	Set whether to confirm the destinations. When set to Valid the document cannot be sent unless the destination is confirmed. This function also operates when the addresses are specified with Group Dialing or Program Dialing function. If an address has been altered (added or removed) when confirming addresses, the address confirmation message will appears again when transmitting the documents (pressing the start key).
		2	VALID	

Continued on the next page...

Customizing Your Machine

Fax Parameter Table

No.	Parameter	Setting Number	Setting	Comments
133	JOB BUILD	1	OFF	<p>Selecting whether the machine performs Job Build when the total number of documents exceeds the maximum capacity of the ADF, or when scanning the documents manually one at a time. If you place the documents on the ADF within 5 seconds after the ADF scan, the ADF scan will continue for the current scan. (Maximum number of scanning sheets is 255 pages for one job.)</p> <p>The Quick Memory Transmission feature (Fax Parameter No. 82) is not available when the Job Build is set to "2:ON".</p> <p>Up to 250 pages can be stored. When the number of pages exceeds 255, the memory overfull message will be displayed. Select "Yes" to start transmitting, or "No" to cancel.</p> <p>If no action is taken within 5 seconds, the machine will start transmitting the stored originals.</p>
		2	ON	
135	JUNK FAX FILTER			Function to prevent direct mail FAX and unnecessary FAX messages.
		01. JUNK FAX FILTER		When set to "VALID", the machine will not receive the faxes from the senders whose numeric ID has been registered as a junk fax number. The denied number IDs can be registered in "04.ID NO. REGIST."
		1	INVALID	
		2	VALID	
		02. RCV WITHOUT ID		When set to "VALID", the machine will receive faxes from senders without numeric ID registered.
		1	INVALID	(This setting is available only when "01. JUNK FAX FILTER" is set to "VALID".)
		2	VALID	
		03. RECEIVED ID PRINT		When set to "VALID", the sender's numeric ID and received time are printed at the bottom of the received faxes. If the sender's numeric ID is not registered, only the received time is printed. (This setting is available only when "01. JUNK FAX FILTER" is set to "VALID".)
		1	INVALID	
		2	VALID	
		04. ID NO. REGIST. (NO. 01-30)		Register fax numbers as junk fax number. Up to 30 fax numbers can be registered for junk fax number. (Including numerals "0-9", blank space, and + symbol.) (When comparing the sender's numeric ID to the registered junk fax numbers, blank spaces between numbers are ignored.)
		136	RESTRICT D. DIAL	1
2	VALID			
137	RE-ENTER D. DIAL	1	INVALID	<p>Used to set whether to display the address reinsert screen when indicating the address for direct dial, inputting the mail address for Internet FAX, redialing or inputting the address for confirming the address. When set to "VALID", unit will require input destination Tel No. or Mail address twice for confirmation. Unit will proceed transmit job when destination data is matched.</p> <p>This setting is not available when the Restrict Direct Dial function is set to "VALID".</p>
		2	VALID	
142	LAN PC-FAX	1	INVALID	<p>Selecting whether the machine accepts and performs G3 relayed transmission. (Relay Station Functions)</p> <p>(For UF-5500 only)</p>
		2	VALID	

Customizing Your Machine

No.	Parameter	Setting Number	Setting	Comments
156	PRT FORWARD DOC	1	INC.ONLY	Selecting whether a fax received in memory to be forwarded is always printed or only when forwarding is incomplete.
		2	ALWAYS	
169	DHCP CLIENT	1	INVALID	Select whether the machine would automatically acquire the Network Parameters from the DHCP Server. (Such as IP Address, Subnet Mask, Default Gateway IP Address, etc.) (For UF-5500 only) Note: If you change the setting of this parameter, the machine will reboot automatically.
		2	VALID	

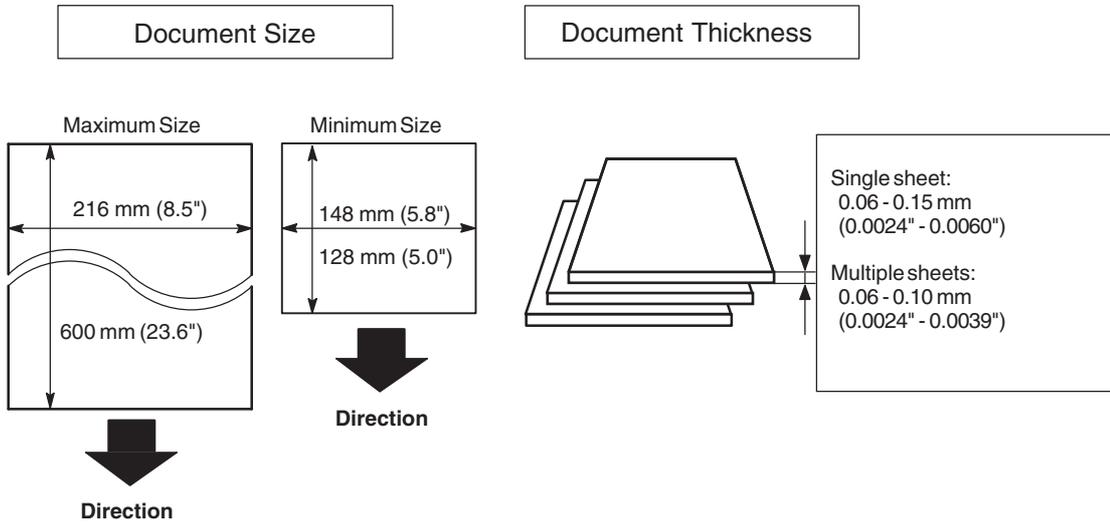
NOTE

1. The standard settings are printed on the Fax Parameter List. To print out Fax Parameter List. (See page 164)

Loading Documents

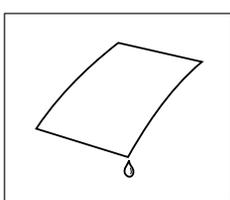
Documents You Can Send

In general, your machine will send any A4, Letter or Legal size document printed on high quality paper. The illustrations below are provided as a quick reference only. There are many "name" and "generic" brands of paper available, we recommend that you test various media thoroughly to find one that meets your needs.

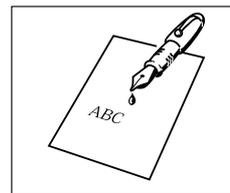


Documents You Cannot Send

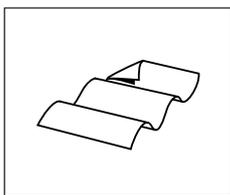
Never try to send documents that are:



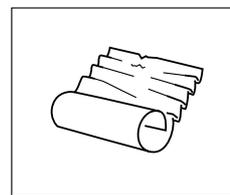
Wet



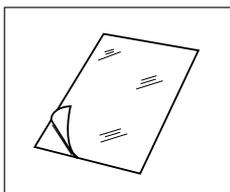
Covered with wet ink or paste



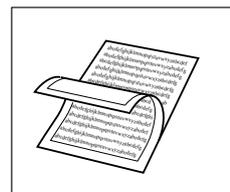
Too thin (**Ex:** onionskin, airmail paper, pages from certain magazines, etc.)



Wrinkled, curled or folded



Coated (**Ex:** glossy paper, etc.)

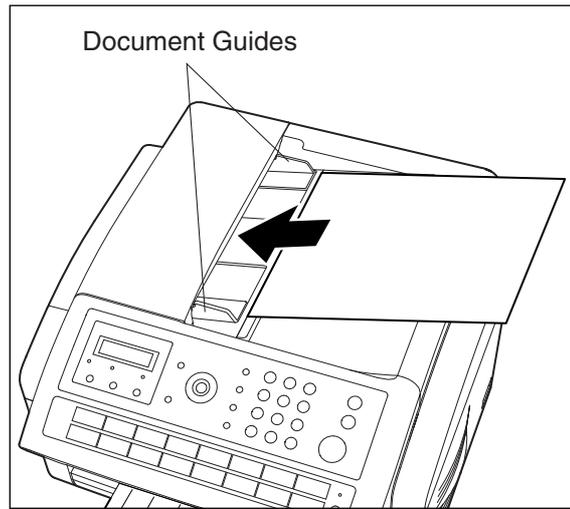


Chemically processed (**Ex:** pressure-sensitive paper, carbon-coated paper, etc.) or made of cloth or metal

To transmit these kinds of documents, make a photocopy first and then transmit the copy instead.

How to Load Documents

1. Be sure the document(s) is free of staples, paper clips and is not torn, greasy or covered by foreign objects.
2. Place the document(s) **FACE UP** on the Automatic Document Feeder (ADF) until the leading edge inserted in the machine stops.
If you are sending multiple pages, make sure that **the bottom sheet enters first**. You can also stack up **to 30 PAGES** on the ADF at one time **by setting the documents as stairs shape as the figure below**.
If you have more than 30 pages, wait until transmission or storing in memory starts as pages feed through, and place any remaining pages on top of the last page in the feeder.
3. Adjust the Document Guides to center the document on the ADF.



When you set a document on the ADF, the display message will change from date and time (standby) to the following message. You can now change basic transmission settings or begin the dialing procedure.

ENTER STATION(S)
THEN PRESS START

NOTE

1. The document limitation to send multiple pages is as follows.

	Document Size	Document Thickness
Up to 30 pages*	A4 or Letter size	0.0024" - 0.0039"

* Please note that although the size meets the specifications, you might not be able to set 30 pages with some types of paper.

2. Transmitting documents longer than 356 mm (14") requires user's assistance.

Basic Transmission Settings

General Description

You can temporarily change the transmission settings either before or after you place the document on the ADF.

These settings are as follows:

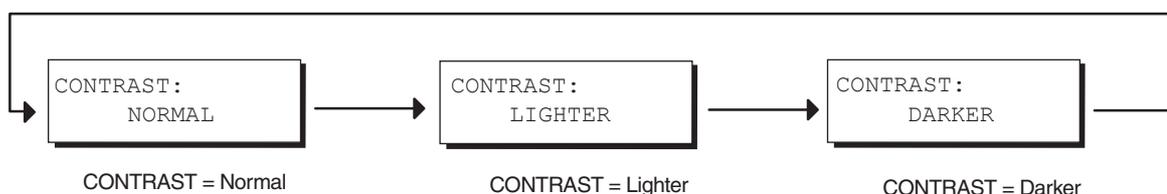
- Contrast
- Resolution
- Communication Journal

After your document(s) have been sent, your machine will automatically return to the preset settings.

Contrast

Your machine is preset to **Normal** contrast. If you wish to send a document with lighter contrast, change the setting to **Lighter**. If you wish to send a document with darker contrast, change the setting to **Darker**.

Press to:

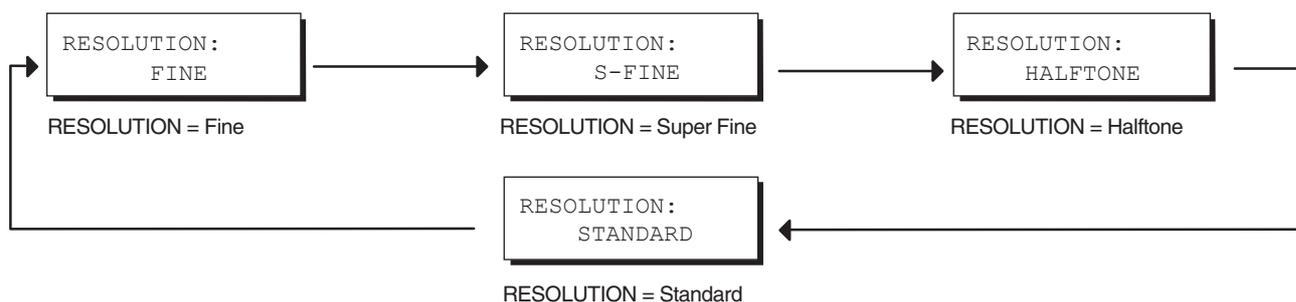


Resolution

Your machine is preset to **Standard** resolution, which is suitable for most documents.

If you want to send it with more detail, change the setting to **Fine**, **Super Fine** or **Halftone**.

Press to:



NOTE

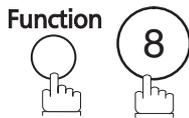
1. To change the preset Contrast position, change the setting of Fax Parameter No. 01. (See page 38)
2. To change the preset Resolution position, change the setting of Fax Parameter No. 02. (See page 38)

Communication Journal (COMM. JOURNAL)

A Communication Journal lets you verify if the transmission was successful. You can select the condition to print out the Communication Journal as follows.

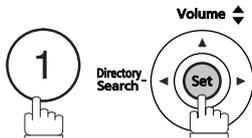
- When you set COMM. JOURNAL = **OFF** : A Communication Journal will not be printed out.
- When you set COMM. JOURNAL = **ON** : A Communication Journal is printed out automatically after every communication.
- When you set COMM. JOURNAL = **INC** : A Communication Journal is printed out automatically only if the communication has failed.

1



SELECT MODE (1-9)
ENTER NO. OR √^

2



COMM. JOURNAL?
INC<>

3



for "OFF".

or



for "ON" (Always print out).

or



for "INCOMPLETE" only.

COMM. JOURNAL?
OFF<>

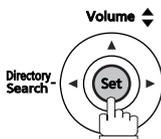
or

COMM. JOURNAL?
ON<>

or

COMM. JOURNAL?
INC<>

4



NOTE

1. To change the preset Comm. Journal condition, change the setting of Fax Parameter No. 12. (See page 38)

Sending Documents

General Description

You can choose Memory, Direct or Voice Mode Transmission.

Use Memory Transmission if:

- You want to send the document to multiple stations.
- You have to retrieve the document immediately.
- You want to take advantage of Dual Operation design.

Use Direct Transmission if:

- The memory is full.
- You want to send the document immediately.

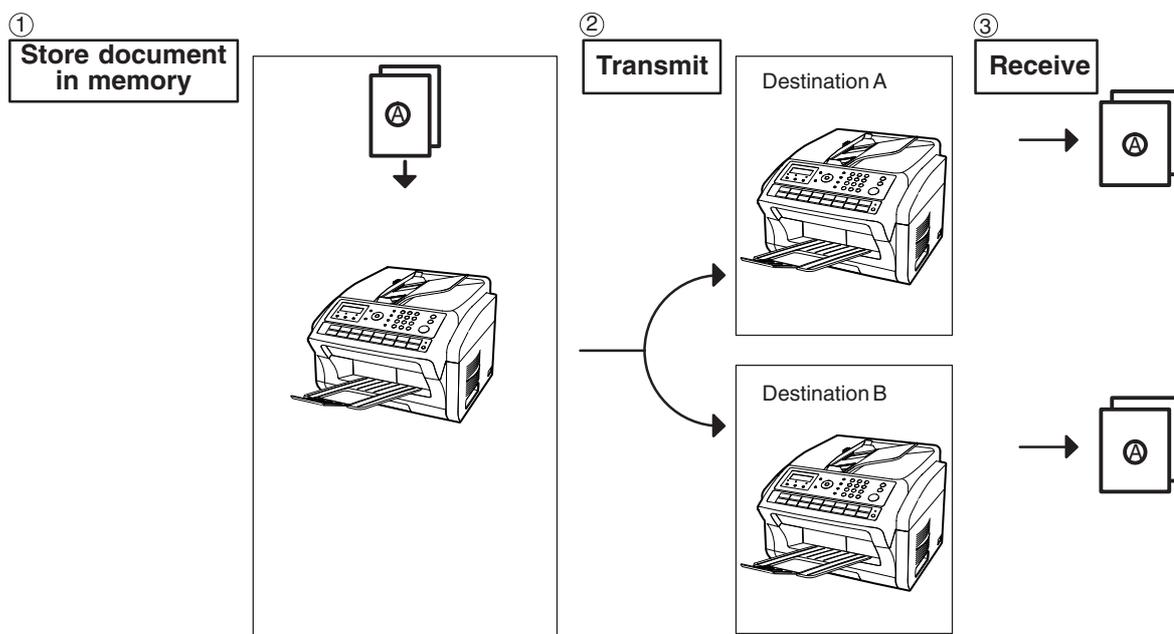
Use Voice Mode Transmit if:

- You want to send the document after listening to a voice prompting.

Your machine quickly stores the document into the machine's memory.

It then starts to dial the telephone number.

If the transmission fails, your machine will re-transmit the remaining unsuccessful page(s) automatically.



NOTE

1. The File Number of the document being stored is shown at the upper right corner of the display while storing the document. It is also printed on the Communication Journal (COMM. JOURNAL), Transaction Journal and File List. The percentage of memory used is shown on the lower right corner of the display after each page is stored.

```
* STORE * NO.003
PAGES=002 10%
```

```
COMPLETED
TOTAL PAGES=005
```

2. If using an External Telephone option with the machine, the machine does not detect the external telephone being in use.
When sending a Fax, ensure the external telephone is hung up before dialing.
3. To use the external telephone to send documents, first, load the documents onto the ADF, then dial the telephone number of the receiving unit, and upon hearing the receiving unit's answering tone, press the Start Key and hang up the external telephone.

4. If memory overflow occurs while storing documents, the remaining documents on the ADF will be ejected. The machine prompts you whether to transmit the successfully stored documents or to cancel the transmission. Press **1** to cancel or press **2** to transmit.

```
MEMORY FULL
INFO. CODE=870
```

See the Specifications on page 179 for the image memory capacity.
 If no action is taken within 10 seconds, the machine will start transmitting the stored documents, then change the Fax Parameter No. 82 (QUICK MEMORY XMT) to "INVALID".
 (See page 41)

```
COMPLETED=15 PG
DELETE?
```

After 2 sec. →

```
DELETE?
1: YES 2: NO
```

5. An Information Code will be displayed if the transmission has failed or if there is no answer at the receiving side after the last automatic redial.
 The document stored for this transmission will be delete from the memory automatically and the information code is printed for the transmission on the Communication Journal (COMM. JOURNAL).
 If you need to retain the incomplete documents even after the last redial, change Fax Parameter No. 31 (INC. FILE SAVE) to "VALID" in advance. (See page 39) To retry the incomplete documents, refer to page 92.

```
INCOMPLETE
INFO. CODE=XXX
```

6. To stop the transmission, press Stop.
 The display shows:

```
COMM. STOP?
1: YES 2: NO
```

Press **1** to stop the transmission. The document you stored will be delete automatically.
 If you do not want to delete the documents, change the setting of Fax Parameter No. 31 (INC. FILE SAVE) to "VALID" in advance. (See page 39)
 Then the following display will appear and you can select whether to save the file as an incomplete file for editing and retry, or delete the file manually.

```
SAVE INC. FILE?
1: YES 2: NO
```

7. If you would like to print a Communication Journal (COMM. JOURNAL) after stopping a transmission, press **1** when the display shows:

```
PRINT COMM. JRNL?
1: YES 2: NO
```

8. If the file memory reaches the capacity (UF-4500: 10 files, UF-5500: 20 files) and you try to store another file, the following display appears and the machine will not accept additional files until a file is completed and becomes available.

```
STORAGE IS FULL
PLEASE WAIT!
```

Sending Documents

Memory Transmission

Manual Number Dialing

To dial the telephone number manually, follow the steps below.

1



Set document(s) face up.

```
ENTER STATION(S)  
THEN PRESS START
```

2

Enter a telephone number from the keypad.
(Up to 36 digits)
You can also designate more than one destination.

```
TEL. NO.  
5551234■
```

Ex: (5) (5) (5) (1) (2) (3) (4)

3

Start



The document is stored into memory with a file number.
It then starts dialing the telephone number immediately
after storing the first page. (See Note 3)
The remaining page(s) continue to be stored into memory.

```
* STORE * NO.002  
PAGES=001 05%
```

```
* DIALING *  
5551234
```

NOTE

1. If you need a special access number to get an outside line, dial it first then press **Redial/Pause** to enter a pause (represented by a "-") before dialing the full number.
Ex: 9 PAUSE 5551234
2. If you are using Pulse dialing and you wish to change to Tone dialing in the middle of dialing, press ***** (represented by a "'"). The dialing method will be changed from Pulse to Tone after dialing the digit "'".
Ex : 9 PAUSE * 5551234
3. This feature is called "**Quick Memory Transmission**". If you wish to store all the document(s) into memory first before transmitting, change the Fax Parameter No. 82 (QUICK MEMORY XMT) to "INVALID". (See page 41)

One-Touch Dialing

One-Touch Dialing allows you to dial a full telephone number by pressing a One-Touch key. To set up the One-Touch keys, see page 32.

1



Set document(s) face up.

ENTER STATION (S)
THEN PRESS START

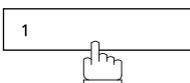
2

To switch the One-touch key to lower row, press Lower.

3

Press a One-Touch key.

Ex:



<01> (STN name)
5551234

4

Start



The document is stored into memory with a file number. Then the machine starts dialing the telephone number immediately after storing the first page. (See Note 1)
The remaining page(s) continue to be stored into memory.

* STORE * NO.002
PAGES=001 05%

* DIALING *
(STN name)

Abbreviated Dialing

Abbreviated dialing is a speedy way to dial a frequently dialed telephone number by preprogramming the telephone number into the built-in auto-dialer with a 3-digit abbreviated code. To program an abbreviated dialing number, see page 33.

1



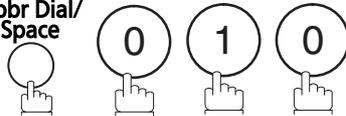
Set document(s) face up.

ENTER STATION (S)
THEN PRESS START

2

Press Abbr Dial then enter a 3-digit code.

Ex: Abbr Dial/
Space



[010] (STN name)
5553456

3

Start



The document is stored into memory with a file number. Then the machine starts dialing the telephone number immediately after storing the first page. (See Note 1)
The remaining page(s) continue to be stored into memory.

* STORE * NO.002
PAGES=001 05%

* DIALING *
(STN name)

NOTE

1. This feature is called "**Quick Memory Transmission**". If you wish to store all the document(s) into memory first before transmitting, change the Fax Parameter No. 82 (QUICK MEMORY XMT) to "INVALID". (See page 41)

Sending Documents

Memory Transmission

Directory Search Dialing

Directory Search dialing allows you to dial a full telephone number by searching the station name entered with One-Touch keys or Abbreviated dialing numbers.

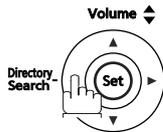
1



Set document(s) face up.

ENTER STATION(S)
THEN PRESS START

2



ENTER LETTER(S)
■

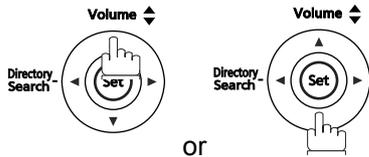
3

Enter the full station name or part of the station name by using the Keypad.

Ex: **P** **A** **N** **A** for searching **PANASONIC**

ENTER LETTER(S)
PAN■

4



OR

repeatedly until the display shows the station name you want to send to.

[010]■ANASONIC
5553456

5

Start



The document is stored into memory with a file number. Then the machine starts dialing the telephone number immediately after storing the first page. (See Note 1) The remaining page(s) continue to be stored into memory.

* STORE * NO.002
PAGES=001 05%

* DIALING *
PANASONIC

NOTE

1. This feature is called "**Quick Memory Transmission**". If you wish to store all the document(s) into memory first before transmitting, change the Fax Parameter No. 82 (QUICK MEMORY XMT) to "INVALID". (See page 41)

Multi-Station Transmission (Broadcasting)

If you have to send the same document(s) to multiple stations, you can save time when feeding the document(s) by using memory transmission. That is, you can store the document(s) into the memory and then send it to the station(s) automatically.

1



Set document(s) face up.

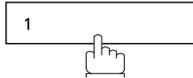
ENTER STATION(S)
THEN PRESS START

2

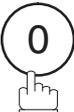
Dial by any combination of the following methods:

- One-Touch Dialing
- Abbreviated Dialing
- Manual Number Dialing, press Set after each station is entered (Up to 10 stations)
- Directory Search Dialing, press Set after each station is entered (For details, see pages 50 to 52.)

Ex:



Abbr Dial/
Space



- If you want to confirm the number of stations you have entered, press Set.

<01>(STN name)
5551234

[010] (STN name)
5553456

2 STN(S) SET
ADD MORE, START

3

Start



The document is stored into memory with a file number. Then the machine starts dialing the telephone numbers in sequence.

* STORE * NO.001
PAGES=001 01%

COMPLETED
TOTAL PAGES=005

* DIALING *
(STN name)

NOTE

1. You can review the stations you entered in step 2 before storing your document into memory by pressing ▼ or ▲. Press Clear to clear an entered station or group shown on the display if needed.
2. The "Quick Memory Transmission" is disabled if multiple stations are set.

Sending Documents

Wrong Transmission Prevention Function

The following functions have been provided to prevent transmission to a wrong address. These include the dial re-enter function to prohibit direct dialing or multiple addresses, and a function to confirm the address.

Direct Dial Restriction Function

This function prohibits all designations of addresses by direct dialing (Including manual transmission). This function operates if Fax Parameter "136 RESTRICT D. DIAL" of Fax Parameter set to "VALID". (See page 42)

- If this function is set, even when telephoning from an external device, it is not possible to use direct dialing. However, if direct dialing standby is displayed, press **Redial/Pause** to start redial.

If keypad or **Redial/Pause** are pressed, the following message will appear on your display.

DIRECT DIAL IS
NOT AVAILABLE

Multiple Address Prohibit Function

With this device, it is possible to combine direct dialing and AUTO dialing, etc. to send the same document by fax to multiple addresses. If you do not wish to send to multiple addresses, set setting "117 MULTI STATION" of Fax Parameter set to "INVALID" and the system will be set to transmit to only one address. This is useful to prevent mistaken transmission to multiple addresses.

If you specify multiple addresses, the following message will appear on your display.

NOT AVAILABLE
1 STN ALLOWED

NOTE

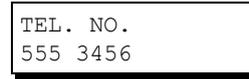
1. If multiple address designation is set to "INVALID", it is not possible to transmit to multiple addresses.
2. If multiple address designation is set to "INVALID", it is not possible to use group dial.
3. If multiple address designation is set to "INVALID", it is possible to use the program dial in which multiple addresses are set.

Dialing Re-enter Function

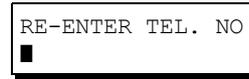
If the address is designated with direct dialing, the re-enter screen of the address is displayed. With this function, transmission is only started if the addresses for the first and second time agree with each other.

This function operates if setting "137 RE-ENTER D. DIAL" of Fax Parameter set to "VALID".
(See page 42)

1 Enter the telephone number.
Ex: ⑤ ⑤ ⑤ ③ ④ ⑤ ⑥



2 Volume \updownarrow
Directory Search Set



3 Re-enter the same telephone number and press .
If the telephone number is incorrect, repeat the steps, starting with the first step of inputting the telephone number.

If the telephone number is correct, transmission is started.

If the telephone number is incorrect, the message "STN MISMATCH" will appear. In this case, start with the first step of inputting the telephone number.

NOTE

1. When dial from an external telephone, the re-enter screen is not available.
2. If setting "136 RESTRICT D. DIAL" of Fax Parameter set to "VALID", even if you set to "VALID" with this function, the re-enter screen of the address is not displayed.

Sending Documents

Wrong Transmission Prevention Function

Address Confirmation Function

Settings can be made so that transmission will always start after confirming the address.

When **Start** is pushed and address confirmation has been set, a message prompting operations to confirm the address will be displayed if the address has not been confirmed first.

This function operates if setting "125 CONFIRM STATIONS" of Fax Parameter set to "VALID".
(See page 41)

When telephoning from an external telephone, address confirmation is not displayed.

- 1** Operate "Manual Number Dialing". (See page 50)
This function is also available if you send documents with following methods:
 - One-Touch Dialing (See page 51)
 - Abbreviated Dialing (see page 51)
 - Group Dialing (See page 81)

CONFIRM STN ∨ ^
THEN PRESS START

- 2** Press **▲** or **▼** to confirm stations.
It is possible to add or remove addresses. To add an address, input the address for addition. To remove an address, display the address for removal and press **Clear** (See Note 1).

- 3** **Start**


* DIALING *
5551234

The document is stored with a file number in the memory.
Following this, the telephone numbers are dialed in sequence.

NOTE

1. If an address has been added or removed when confirming addresses, address confirmation is required again.

Direct Transmission

If your machine's memory is full or you wish to send the document immediately, use Direct Transmission.

Manual Number Dialing (Direct Transmission)

Without storing image into memory, follow the steps below.

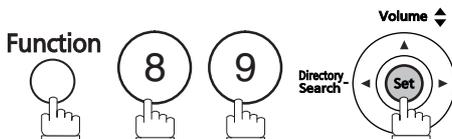
1



Set document(s) face up.

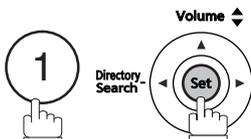
ENTER STATION (S)
 THEN PRESS START

2



MEMORY XMT?
 ON<>

3



ENTER STATION

4

Enter the telephone number from the keypad.

Ex: (5) (5) (5) (1) (2) (3) (4)

PRESS START
 5551234 █

5

Start



Your machine starts to dial the telephone number.

* DIALING *
 5551234

NOTE

1. If you need a special access number to get an outside line, dial it first and then press Redial/Pause to enter a pause (represented by a "-") before dialing the full number.
Ex: 9 PAUSE 5551234
2. If you are using Pulse dialing and you wish to change to Tone dialing in the middle of dialing, press * (represented by a"/"). The dialing method will be changed from Pulse to Tone after dialing the digit "/".
Ex : 9 PAUSE * 5551234
3. To stop the transmission, press Stop .
The display shows:

COMM. STOP?
 1: YES 2: NO

Press 1 to stop the transmission. The Communication Journal will not print out regardless of the printout mode setting of the Communication Journal.

Sending Documents

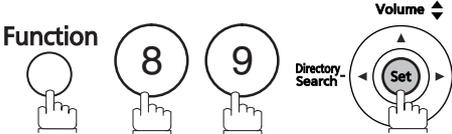
Direct Transmission

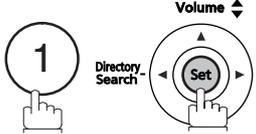
One-Touch Dialing (Direct Transmission)

One-Touch Dialing allows you to dial a full telephone number by pressing a single key. To set up the One-Touch keys, see page 32.

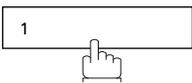
- 

Set document(s) face up.
- Function



ENTER STATION(S)
THEN PRESS START
- 

MEMORY XMT?
ON<>
- Press a One-Touch key.



ENTER STATION
- Start



<01> (STN name)
5551234

* DIALING *
(STN name)

Your machine starts to dial the telephone number.

Abbreviated Dialing (Direct Transmission)

Abbreviated dialing is a speedy way to dial a frequently dialed telephone number by preprogramming the telephone number into the built-in auto-dialer with a 3-digit abbreviated code. To program an abbreviated dialing number, see page 33.

1

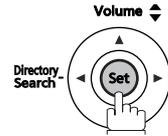


Set document(s) face up.

ENTER STATION(S)
 THEN PRESS START

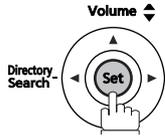
2

Function



MEMORY XMT?
 ON<>

3



ENTER STATION

4

Press Abbr Dial and a 3-digit code.

Abbr Dial/
Space



[010] (STN name)
 5553456

5

Start



Your machine starts to dial the telephone number.

* DIALING *
 (STN name)

Sending Documents

Direct Transmission

Directory Search Dialing (Direct Transmission)

Directory Search dialing allows you to dial a full telephone number by searching the station name entered in One-Touch keys or Abbreviated dialing numbers.

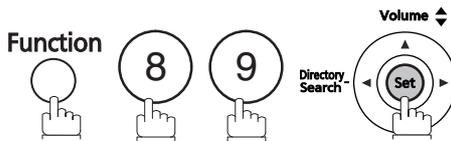
1



Set document(s) face up.

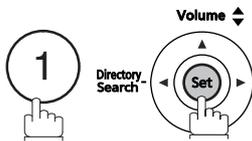
ENTER STATION(S)
THEN PRESS START

2



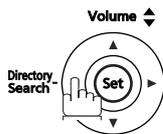
MEMORY XMT?
ON<>

3



ENTER STATION

4



ENTER LETTER(S)
■

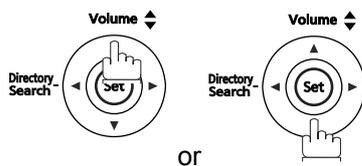
5

Enter the full station name or part of a station name by using the Keypad. (See page 16 and 31)

Ex: **P** **A** **N** **A** for searching **PANASONIC**

ENTER LETTER(S)
PAN■

6



or

repeatedly until the display shows the station name you want to send to.

[010]■ANASONIC
5553456

7



The full number (**Ex:** 5553456) will be dialed.

* DIALING *
PANASONIC

Voice Mode Transmission

If you wish to send documents after listening to a voice prompt, use Voice Mode Transmission.

On-Hook Dialing

For On-Hook Dialing, follow the steps below.

1



Set document(s) face up.

ENTER STATION (S)
 THEN PRESS START

2

Monitor



You will hear dial tone through the monitor speaker.

* MONITOR *

3

Dial the telephone number from the keypad.

Ex: ⑤ ⑤ ⑤ ① ② ③ ④

* DIALING *
 5551234

4

When you hear a beep,
Start



ON LINE * XMT *

NOTE

1. To stop the transmission, press Stop.
The display shows:

COMM. STOP?
 1: YES 2: NO

- Press ① to stop the transmission. The Communication Journal will not print out regardless of the printout mode setting of the Communication Journal.
- If you need a special access number to obtain an outside line, dial it first and then press Redial/Pause to enter a pause (represented by a "-") before dialing the full number.
Ex: 9 PAUSE 5551234
- If you are using Pulse dialing and you wish to change to Tone dialing in the middle of dialing, press * (represented by a "/"). The dialing method will be changed from Pulse to Tone after dialing the digit "/".
Ex : 9 PAUSE * 5551234

Sending Documents

Transmission Reservation

- You can do the following jobs while sending a document from memory or receiving a document.
- Reserve the next transmission in the memory. (UF-4500: up to 10 files, UF-5500: up to 20 files)
 - Reserve a priority transmission.

Memory Transmission Reservation (Multi-tasking)

If your machine is on-line, busy transmitting from memory, receiving or printing received documents, you can reserve a transmission by the following procedure.

1 Your machine is on-line, the ON LINE lamp is blinking or printing received documents.

```
* PC MODE *
```

```
ON LINE * XMT *
ID:(Identif.)
```

```
* PRT MODE *
```

```
ON LINE * RCV *
ID:(Identif.)
```

```
* PRINTING *
PC DATA
```

```
* PRINTING *
MEMORY RCV'D DOC
```

```
ENTER STATION(S)
THEN PRESS START
```

2



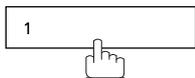
Set document(s) face up.

3

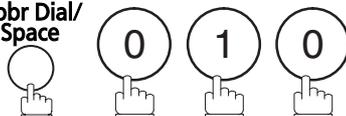
Dial by any combination of the following methods:

- One-Touch Dialing
- Abbreviated Dialing
- Manual Number Dialing, press after each station is entered (Up to 10 stations)
- Directory Search Dialing, press after each station is entered (For details, see pages 50 to 52.)

Ex:



Abbr Dial/
Space



- If you want to confirm the number of stations you have entered, press .

```
<01>(STN name)
5551234
```

```
[010](STN name)
5553456
```

4

Start



Your machine will store the document(s) into memory.

```
* STORE * NO.005
PAGES=001 01%
```

```
COMPLETED
TOTAL PAGES=005
```

NOTE

1. To cancel the memory transmission reservation. (See page 89)

Direct Transmission Reservation (Priority Transmission Reservation)

If you are in a rush to send an urgent document, but there are many files in the memory, use Direct Transmission Reservation to send the urgent document. The urgent document will be sent immediately after the current communication is finished.

Note that you cannot send documents to multiple stations.

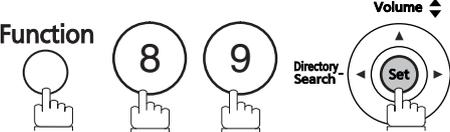
To reserve your machine for sending the urgent documents

1 Your machine is on-line, the ON LINE lamp is blinking or printing received documents.

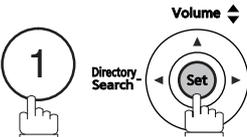
* PC MODE *	ON LINE * XMT * ID: (Identif.)
* PRT MODE *	ON LINE * RCV * ID: (Identif.)
* PRINTING * PC DATA	* PRINTING * MEMORY RCV'D DOC

2  Set document(s) face up.

ENTER STATION(S)
THEN PRESS START

3 

MEMORY XMT?
ON<>

4 

ENTER STATION

5 Dial by using any one of the following methods:

- One-Touch Dialing
 - Abbreviated Dialing
 - Manual Number Dialing and press Start
 - Directory Search Dialing and press Start
- (For details, see pages 57 to 60.)

Ex: 

<01> (STN name)
5551234

You can reserve sending of an urgent document to a single station only.
A message "XMT RESERVED" will be shown on the display.

Sending Documents

Transmission Reservation

To cancel the direct transmission reservation

1 Make sure the document is on the ADF.

```
XMT RESERVED
<01> (Stn name)
```

2 Stop 

```
CANCEL RSV. JOB?
1: YES 2: NO
```

3  and then remove the document from ADF.

Redialing

Automatic Redialing

If a busy line is detected, the machine will redial the number up to 3 times at 3 minute intervals. During that time, a message will appear as shown at right.

WAITING TO DIAL
<01>(Stn name)

A file number is shown in the upper right hand corner of the display if it is a memory transmission file.

Manual Redialing

You can also redial the last dialed number manually by pressing Redial/Pause key.

To redial the last dialed number through memory

1



Set document(s) face up.

ENTER STATION(S)
THEN PRESS START

2

Redial/Pause



TEL. NO.
5551234█

3

Start



* STORE * NO.002
PAGES=001 01%

* DIALING *
5551234

The document is stored into memory with a file number. Then the machine dials the last dialed number.

To redial the last dialed number through ADF

1

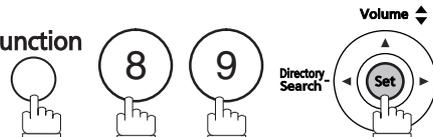


Set document(s) face up.

ENTER STATION(S)
THEN PRESS START

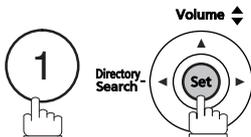
2

Function



MEMORY XMT?
ON<>

3



ENTER STATION

4

Redial/Pause



PRESS START
5551234█

* DIALING *
5551234

Your machine starts to dial the last dialed number.

NOTE

1. While the unit is displaying "WAIT TO DIAL", you can press Redial/Pause to start redialing immediately.

Receiving Documents

Reception Modes

You can select one of the four modes shown below.

Conditions	Suggested Reception Mode	Settings
You normally receive only voice calls.	<p><u>Telephone Mode</u></p> <p>You can answer the incoming call via an External Telephone (Optional). If you receive a fax calling signal, simply press START to receive manually. (See page 67)</p>	<p>Fax Parameter No. 17 set to 1: Tel</p> <p>MMM-dd 15:00 RCV MODE=TEL</p>
You receive both voice and fax calls.	<p><u>Fax / Tel Auto Switching Mode</u></p> <p>Unit will answer the incoming call and then distinguish whether it is voice or fax call. If it is a fax call, the unit will receive automatically. if it is a voice call, the unit will signal (ring) through the speaker for your attention. (See page 68)</p>	<p>Fax Parameter No. 17 set to 3: Fax / Tel SW.</p> <p>MMM-dd 15:00 RCV MODE=FAX/TEL</p>
You normally receive fax calls only.	<p><u>Fax Mode</u></p> <p>Unit will receive the document automatically. All incoming calls (including voice calls) are answered by the fax machine. (See page 69)</p>	<p>Fax Parameter No. 17 set to 2: Fax</p> <p>MMM-dd 15:00 00%</p>
You receive both voice and fax calls and a Telephone Answering Machine (TAM) is connected.	<p><u>TAM Interface Mode</u></p> <p>The TAM answers the incoming call. During that time, the unit also monitors whether it is a voice call, the TAM continues to operate. If it is a fax call, the unit will automatically switch the line to the Fax and begin receiving document. (See page 70)</p>	<p>Fax Parameter No. 17 set to 4: TAM / FAX.</p> <p>MMM-dd 15:00 RCV MODE=TAM/FAX</p>

NOTE

1. Depending on the model of the Telephone Answering Machine (TAM) that is connected, some of the features may not be compatible with your fax machine operating in the TAM Interface mode.
2. If you are using the "Distinctive Ring Service" provided by your local telephone company, please note that the ring pattern for your fax number must match with the setting of Fax Parameter No. 36 (RING PATTERN (DRD)). (See page 39)
If the setting does not match with the ring pattern, your machine will not receive a document automatically and the telephone will continue to ring.
Furthermore, if your TAM does not support the "Distinctive Ring Detector" service, it may not function properly in TAM Interface.

Telephone Mode

When your machine is set to this mode, it will not receive documents automatically. If you receive a fax call, follow the procedure below to receive documents manually.

Setting the Telephone Mode

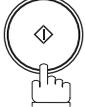
- 1** Change Fax Parameter No. 17 (RECEIVE MODE) to 1: Tel.
(See page 38)

Operation of Telephone Mode

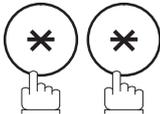
- 1** When your telephone rings, lift the handset of the External Telephone.
If you hear a beep from the phone, it means someone wants to send a fax. Or, if the caller answers and says he/she wants to send a fax, then...

- 2** Remove any document from the ADF.

- 3** If you answered the call using the External Telephone,
Start



or
within 1 second from the telephone key pad.



Your machine will be activated remotely.
(See Note 1)

- 4** Hang up the phone.

NOTE

1. This procedure is called "REMOTE RCV" and will only work on a touch tone phone.

Receiving Documents

Fax / Tel Auto Switching Mode

When your machine is set to this mode, your machine will switch to document reception or voice communication automatically.

Setting the Fax / Tel Auto Switching Mode

- 1 Change Fax Parameter No. 17 (RECEIVE MODE) to 3: FAX/TEL SW.
(See page 38)

Operation of Fax / Tel Auto Switching Mode

If it is a Fax call,

- 1 Your machine will answer the call when a call is received, and then distinguish whether it is a voice or fax call.
- 2 Your machine begins to receive the documents.

If it is a Voice call,

- 1 Your machine will answer the call when a call is received, and then distinguish whether it is a voice or fax call.
- 2 Your machine begins to signal (ringing) through the machine's speaker for your attention. (See Note 1)
- 3 Lift the handset of the External Telephone and press .
- 4 Begin the conversation.

NOTE

1. The length of time the machine signals can be changed by Fax Parameter No.18 (OP CALL TIMER) (See page 39).
2. To adjust the Ringer Volume refer to page 25.

Fax Mode

When your machine is set to this mode, it will immediately begin to receive documents automatically when a call is received.

Setting the Fax Mode

- 1** Change Fax Parameter No. 17 (RECEIVE MODE) to 2: FAX.
(See page 38)

Operation of Fax Mode

Your machine will begin receiving automatically when a fax call is received.

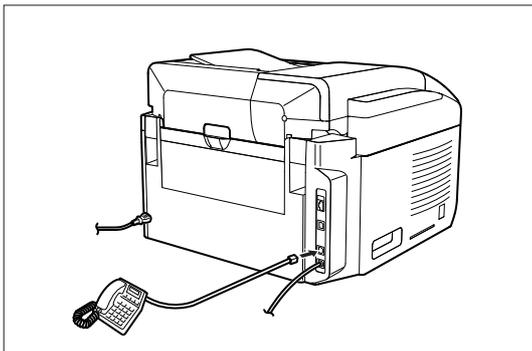
Receiving Documents

TAM (Telephone Answering Machine) Interface Mode

Your machine is equipped with a unique feature called TAM Interface which enables it to automatically switch a single telephone line either to Fax or TAM. You can connect most TAMs in the market to your machine and use your existing telephone line very efficiently. However, some TAMs may not be compatible with this machine. Answering Services (Voice Mail) provided by your Local Phone company are not compatible with this feature. For the operation of your TAM, please refer to the User's Guide of the TAM.

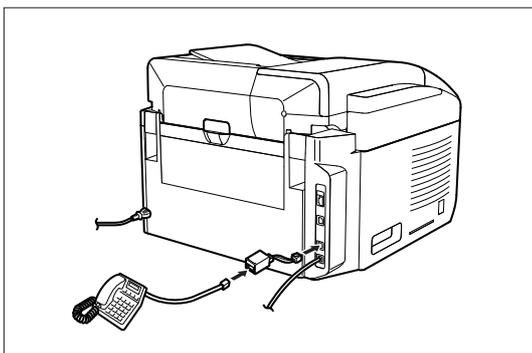
Installing your TAM

Ex:1



1. Remove the telephone line cable of your TAM from the wall jack.
2. Plug the telephone line cable of your TAM into the TEL jack on the rear of the fax machine as shown.

Ex:2



Setting the TAM Interface Mode

- 1 Change Fax Parameter No. 17 (RECEIVE MODE) to 4: TAM/FAX.
(See page 38)

Operation of TAM Interface Mode

If it is a Fax call,

- 1 When your TAM and Fax receives an incoming call, the TAM always answers the call first and then the TAM plays the OGM (Outgoing Message) recorded in your TAM to the calling station. During the time the TAM is answering the call, your fax machine will be monitoring the line to distinguish whether it is a voice or fax call.
- 2 Your machine will switch the line to the fax and then begin to receive the documents immediately from the calling station.

If it is a Voice call,

- 1 When your TAM and Fax receives an incoming call, the TAM always answers the call first and then the TAM plays the OGM (Outgoing Message) recorded in your TAM to the calling station. During the time the TAM is answering the call, your fax machine will be monitoring the line to distinguish whether it is a voice or fax call.
- 2 Your TAM continues to record a message (ICM) after playing the OGM.

Sample of OGM

Hello, this is Smith. Sorry I am unable to take your call. Please leave your message after the beep or if you are calling to send a fax, press the asterisk button twice on your touch tone phone now and start your machine. Thank you for calling.

NOTE

1. Once the fax transmission is started during the Telephone Answering Machine(TAM) answering, the TAM will be hang up.

Receiving Documents

Print Reduction

This machine can use Letter, Legal or A4 size plain paper for recording. Sometimes, oversized documents sent to you by other parties cannot be printed on a single page. When this occurs, the document will be divided into separate pages.

This machine is equipped with a Print Reduction function to solve this problem. You can select the most appropriate setting from the selections described below.

1. Automatic Reduction

Each page of a received document is first stored in the memory. Based on the document length, your machine will automatically calculate the suitable reduction ratio (72% to 100%) to print the entire document on a single page. If the received document is extremely long (Over 39% longer than the recording paper), the document will be divided into separate pages and printed without reduction.

2. Fixed Reduction

You can pre-determine the reduction ratio from 72% to 100% in 1% steps. The document(s) you receive will be reduced to the fixed ratio regardless of size.

Selecting the Print Reduction Mode

Set Fax Parameters as shown below. PRINT REDUCTION

1. To set Automatic Reduction mode.

1) No. 24 Print Reduction set to "Auto".

2. To set Fixed Reduction mode.

1) No. 24 Print Reduction set to "Fixed".

2) No. 25 Reduction Ratio set to any number between 72% and 100%. (See Note 1)

Ex:A4 to A4 - 96%

A4 to Letter - 90%

Letter to Letter - 96%

Legal to Letter - 75%

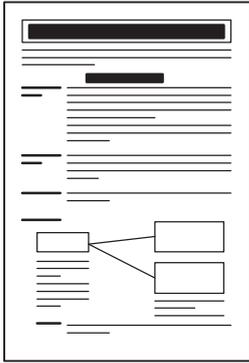
NOTE

1. If the sending side is set to print the header on the outside of the copy area, a larger reduction ratio will be required.

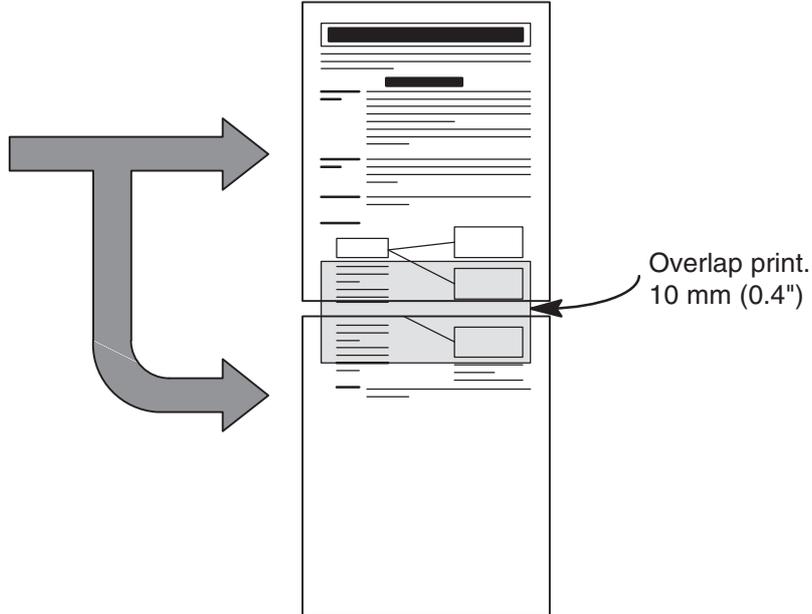
Receiving Oversize Documents

If the received document is extremely long (over 39% longer than the recording paper), the document will be divided into separate pages. When printing on separate pages, the bottom 10 mm (0.4") of the first page will be overlapped on the top of the next page.

Transmitted Document



Received Document



The received document is divided into two sheets with overlap printing.

NOTE

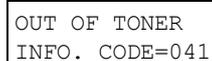
1. If the reduction method is set to the Automatic Reduction mode, the document is printed out with no reduction when printing out separate pages. If the reduction method is set to the Fixed Reduction mode, the document is printed out by the ratio you set in Fax Parameter No. 25. (See page 39)

Receiving Documents

Substitute Memory Reception

If the recording paper runs out or jams or if the toner runs out during reception, the machine automatically starts receiving documents in its image data memory. Stored documents are printed automatically after replacing the recording paper or the toner cartridge. (See Note 1 and 2)

1 When the machine finishes the memory reception and there is no toner, an Information Code appears on the display.



OUT OF TONER
INFO. CODE=041

2 Install the recording paper (See page 23) or replace the toner cartridge (See page 20).



* PRINTING *
MEMORY RCV'D DOC

The machine will automatically start printing the document stored in the memory.

NOTE

1. If the memory overflows, the machine will stop receiving and release the communication line. The document(s) stored in the memory up to that moment will be printed out.
2. If you wish to turn off the substitute reception function, change the setting of Fax Parameter No. 22 (SUBSTITUTE RCV) to "INVALID". (See page 39)

Making Copies

Copies

Your machine has a copy function for single or multiple copies.

1



Set document(s) face up.

```
ENTER STATION(S)  
THEN PRESS START
```

2



Copy

```
COPY  
NO. OF COPY=■
```

3

Enter the number of copies.

Ex: ① ①

```
COPY  
NO. OF COPY=10
```

4



Start

The machine stores the document, and then prints the copies.

```
* STORE * NO.001  
PAGES=001 01%
```

```
* COPY * 01/10
```

NOTE

1. The copy will be reduced automatically depending on the length of the original document. If you wish to be prompted for the reduction ratio when making copies, change the setting of Fax Parameter No. 32 (COPY REDUCTION) to "MANUAL". (See page 39)
If Copy Reduction is set to Manual, press ▼ and ▲ to set the zoom ratio in 1% steps. (100% to 72%)
2. If you made a copy with Super Fine resolution, it will be reduced slightly even if the reduction ratio is set to 100% in order to fit the data on one page.
3. You can change the Contrast and Resolution without Standard Resolution in Copy Mode.

Timer Controlled Communications

General Description

You can send a document to one or multiple stations at any preset time within the next 24 hours. Up to 10 built-in timers can be set for deferred transmission and deferred polling.

Deferred Transmission

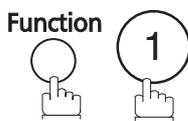
1



Set document(s) face up.

```
ENTER STATION(S)  
THEN PRESS START
```

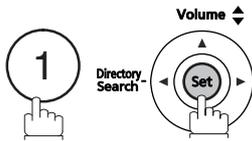
2



Function

```
DEFERRED COMM. ?  
ENTER NO. OR v^
```

3



Directory Search

Volume

```
DEFERRED XMT  
START TIME ■ :
```

4

Enter the start time from the keypad.
(Use a 4-digit, 24-hour clock)

Ex: ② ③ ③ ① (11:30 p.m.) and

```
ENTER STATION(S)  
THEN PRESS START
```

5

Dial by any combination of the following methods:

- One-Touch Dialing
- Abbreviated Dialing
- Manual Number Dialing, press after each station is entered (Up to 10 stations)
- Directory Search Dialing, press after each station is entered (For details, see pages 50 to 52.)

Ex:

```
<01> (STN name)  
5551234
```

6



Start

to store documents into the memory.

```
* STORE * NO.002  
PAGES=001 05%
```

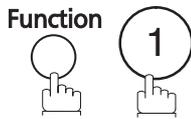
```
COMPLETED  
TOTAL PAGES=005
```

NOTE

1. If you entered a wrong number in Step 4, press and then re-enter the right number.
2. To change or cancel the Deferred Communication settings. (See pages 88 and 89)
3. Even if the memory transmission setting is set to "OFF", when you select the deferred transmission, the document(s) which you set will be stored into memory.

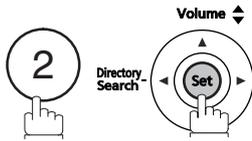
Deferred Polling

1



DEFERRED COMM. ?
ENTER NO. OR V^A

2



DEFERRED POLL
START TIME ■ :

3

Enter the start time from the keypad.
(Use a 4-digit, 24-hour clock)

Ex: 0 3 3 0 (3:30 a.m.) and

DEFERRED POLL
PASSWORD=■■■■

4

Enter a 4-digit polling password.

Ex: 9 8 7 6 and

ENTER STATION(S)
THEN PRESS START

5

Dial by any combination of the following methods:

- One-Touch Dialing
- Abbreviated Dialing
- Manual Number Dialing, press after each station is entered (Up to 10 stations)
- Directory Search Dialing, press after each station is entered (For details, see pages 50 to 52.)

Ex:

<01>(STN name)
5551234

6



* STORE * NO.001

NOTE

1. If you entered a wrong number in Step 3, press , and then re-enter the right number.
2. To change or cancel the Deferred Communication settings, see pages 88 and 89.

Polling

General Description

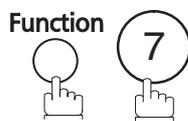
Polling means calling other station(s) to retrieve a document. The other station must know in advance that you will call and must have a document set on the ADF or stored in the memory. You may need to set a polling password shared by the other station to ensure security.

Setting the Polling Password

If the polling password does not match with the polled station, your polling request will be refused automatically.

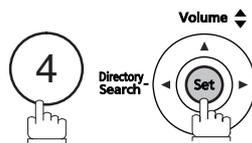
To set the polling password, follow the steps below.

1



```
SET MODE (1-8)
ENTER NO. OR V^
```

2



```
KEY OPERATOR ID
ENTER ID=■
```

3

Enter the Key Operator Password (The factory default password is 00000000.) and press .

```
FAX PARAMETERS
NO.=■ (01-169)
```

4



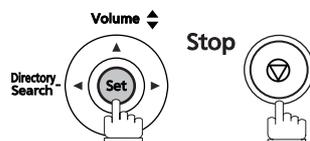
```
POLLING PSWD?
■■■■
```

5

Enter a 4-digit polling password.
Ex: (1) (2) (3) (4)

```
POLLING PSWD?
1234
```

6



NOTE

1. Polling might not function with all fax machines. We suggest you attempt a trial polling before you actually poll important documents.
2. If a password is not set in the polled station, you may poll the other station even though your machine has a password.

Preparing to be Polled

In order to let other stations poll your machine, you must prepare your machine with a document stored in memory. Be sure to set the polling password before storing the document into memory. After being polled, the documents stored in the memory will be delete automatically. To retain the documents in memory so that they can be polled repeatedly change Fax Parameter No. 27 (POLLED FILE SAVE) to "VALID". (See page 39)

1



Set document(s) face up.

```
ENTER STATION(S)
THEN PRESS START
```

2

Function



```
POLLING NO.=■
1:POLL 2:POLLED
```

3



```
POLLED
PASSWORD=■234
```

4

Enter a 4-digit polling password. (See Note 3)

Ex: ④ ③ ② ①

```
POLLED
PASSWORD=4321
```

5

Start



The document(s) will be stored into the memory.

```
* STORE * NO.015
PAGES=001 01%
```

```
COMPLETED
TOTAL PAGES=005
```

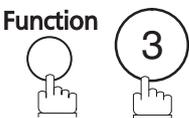
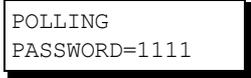
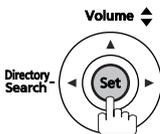
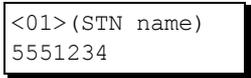
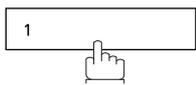
NOTE

1. You can still send or receive documents even when the unit is set for polling.
2. Only 1 polled file can be stored in the memory. If you need to add document(s) into the same polled file. (See page 91)
3. If you have set the polling password in Fax Parameter No. 26, the password will appear on the display.
You can still change the password temporarily by overwriting it with a new one.
(See page 39)

Polling

To Poll Documents from Another Station

The following procedure lets you poll a document from one or multiple stations. Be sure to set the polling password before polling. (See page 78)

- 1** **Function** 
- 2** 
- 3** Enter a 4-digit polling password. (See Note 2)
Ex: 
- 4** 
- 5** Dial by any combination of the following methods:
 - One-Touch Dialing
 - Abbreviated Dialing
 - Manual Number Dialing, press  after each station is entered (Up to 10 stations)
 - Directory Search Dialing, press  after each station is entered (For details, see pages 50 to 52.)**Ex:** 
- 6** **Start** 

NOTE

1. You can review the entered stations in step 5 by pressing  or  key, and then pressing  to delete the displayed station or group as needed.
2. If you have set the polling password in Fax Parameter No. 26, the password will appear on the display.
You can still change the password temporarily by overwriting it with a new one.

Program Keys

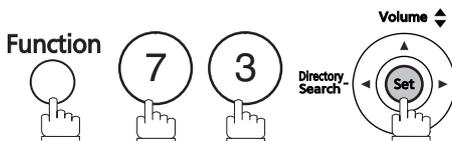
General Description

Your fax machine has special Program Keys. These keys are useful if you frequently need to send or poll the same group of stations. You can use these keys to store a One-Touch group key, a sequence of stations to be polled, a deferred transmission or polling sequence, or an additional One-Touch key.

Setting for Group Dialing

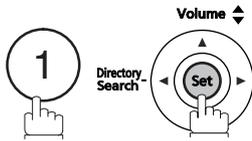
To set a Program Key for Group Dialing

1



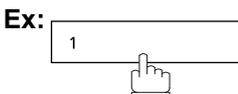
```
PROGRAM (1-3)
ENTER NO. OR V^
```

2



```
PROGRAM[P ]
PRESS ONE-TOUCH
```

3



```
[P01] NAME
ENTER NAME
```

4

Enter the station name (Up to 15 characters) by using the Keypad. (See page 16 and 31)

Ex: PROG.A and

```
ENTER STATION(S)
THEN PRESS START
```

5

Enter the station numbers by using One-Touch Key or and 3-digit code.



```
<01>(STN name)
5551234
```

```
[010](STN name)
5553456
```

You may use the or keys to review the entered station(s) before going to the next step. If you find an error, press to delete the displayed station.

6



```
PROGRAM[P ]
PRESS ONE-TOUCH
```

You can now set other Program Keys by repeating the procedures from Step 3, or return to standby by pressing

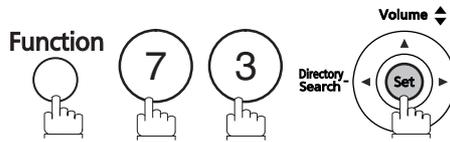
.

Program Keys

Setting for Deferred Transmission

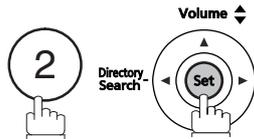
To set a Program Key for deferred transmission

1



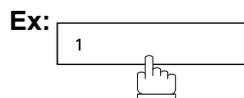
```
PROGRAM (1-3)
ENTER NO. OR V^
```

2



```
PROGRAM[P ]
PRESS ONE-TOUCH
```

3



```
[P01] NAME
ENTER NAME
```

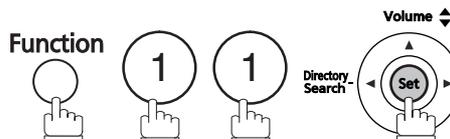
4

Enter the station name (Up to 15 characters) by using the Keypad. (See page 16 and 31)

Ex: PROG.A and

```
PROGRAM[P01]
PRESS FUNCTION
```

5



```
DEFERRED XMT
START TIME ■ :
```

6

Enter the starting time using 4 digits.

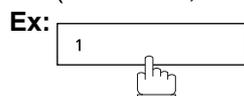
Ex: ② ③ ③ ① (11:30 p.m.) and

```
ENTER STATION(S)
THEN PRESS START
```

7

Enter the station by any combination of the following methods:

- One-Touch Dialing
- Abbreviated Dialing
- Directory Search Dialing, press after each station is entered (For details, see pages 50 to 52.)



```
<01>(STN name)
5551234
```

8

Start



You can now set other Program Keys by repeating the procedures from Step 3, or return to standby by pressing

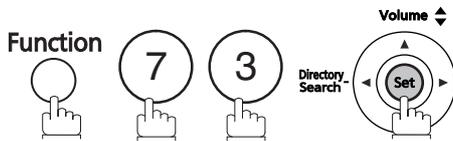
.

```
PROGRAM[P ]
PRESS ONE-TOUCH
```

Setting for Deferred Polling

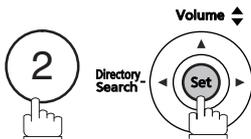
To set a Program Key for deferred polling

1



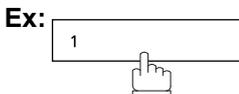
```
PROGRAM (1-3)
ENTER NO. OR V^
```

2



```
PROGRAM[P ]
PRESS ONE-TOUCH
```

3



```
[P01] NAME
■ROG.A
```

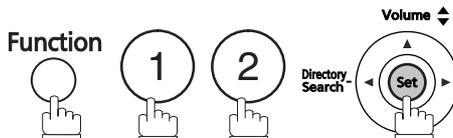
4

Enter the station name (up to 15 characters) by using the Keypad. (See page 16 and 31)

Ex: PROG.A and

```
PROGRAM[P01]
PRESS FUNCTION
```

5



```
DEFERRED POLL
START TIME ■ :
```

6

Enter the starting time.

Ex: ② ② ① ① (10:00 p.m.) and

```
DEFERRED POLL
PASSWORD=■234
```

7

Enter a 4-digit polling password.

Ex: ① ① ① ① and

The polling password appears if it has been previously set.

```
ENTER STATION(S)
THEN PRESS START
```

8

Enter the station by any combination of the following methods:

- One-Touch Dialing
- Abbreviated Dialing
- Directory Search Dialing, press after each station is entered (For details, see pages 50 to 52.)

Ex:

```
<01>(STN name)
5551234
```

9



You can now set other Program Keys by repeating the procedures from Step 3, or return to standby by pressing

.

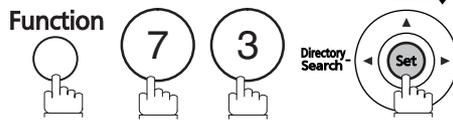
```
PROGRAM[P ]
PRESS ONE-TOUCH
```

Program Keys

Setting for Normal Polling

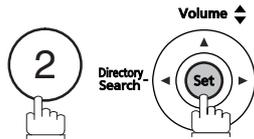
To set a Program Key for normal polling

1



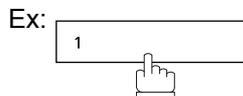
```
PROGRAM (1-3)
ENTER NO. OR V^
```

2



```
PROGRAM[P ]
PRESS ONE-TOUCH
```

3



```
[P01] NAME
PROG.A
```

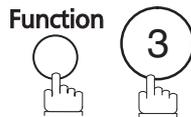
4

Enter the station name (Up to 15 characters) by using the Keypad. (See page 16 and 31)

Ex: PROG.A and

```
PROGRAM[P01]
PRESS FUNCTION
```

5



```
POLLING
PASSWORD=234
```

6

Enter a 4-digit polling password.

Ex: (1)(1)(1)(1) and

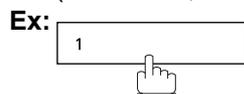
The polling password appears if it has been previously set.

```
ENTER STATION(S)
THEN PRESS START
```

7

Enter the station by any combination of the following methods:

- One-Touch Dialing
- Abbreviated Dialing
- Directory Search Dialing, press after each station is entered (For details, see pages 50 to 52.)



```
<01> (STN name)
5551234
```

8



You can now set other Program Keys by repeating the procedures from Step 3, or return to standby by pressing

.

```
PROGRAM[P ]
PRESS ONE-TOUCH
```

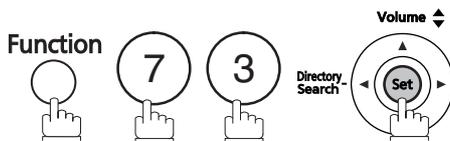
Changing or Erasing the Program Key Settings

To change the settings in a Program Key, follow the procedures on setting a Program Key on pages 81 to 84.

- Start time or station(s) for deferred transmission
- Station(s) for normal polling
- Start time or station(s) for deferred polling
- Station(s) for group dialing

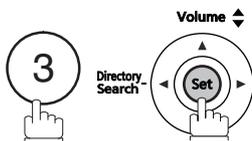
To delete the settings in a Program Key

1



```
PROGRAM (1-3)
ENTER NO. OR √∧
```

2

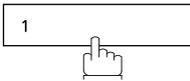


```
PROGRAM[P ]
PRESS ONE-TOUCH
```

3

Press the Program key you want to delete.

Ex:



```
DELETE?
1:YES 2:NO
```

4



```
* DELETING *
PROGRAM[P01]
```

5

You can now delete other Program Keys by repeating the procedures from Step 3, or return to standby by pressing

.

```
PROGRAM[P ]
PRESS ONE-TOUCH
```

Edit File Mode

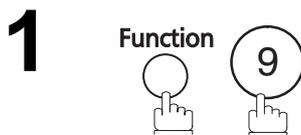
General Description

Your machine has a document image memory which enables you to reserve memory transmission, memory deferred transmission, memory polling and so on.

After reserving the communications in memory, you may need to change the settings of the communication(s) while it is still in memory. This section describes how to use the file editing features.

Printing a File List

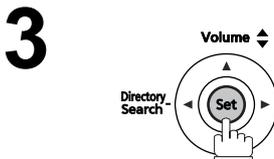
The contents of the communication settings may have to be modified or deleted. To verify the contents, follow the steps below to print out a file list.



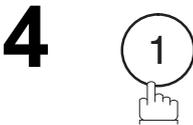
```
EDIT FILE (1-6)
ENTER NO. OR V^
```



```
FILE LIST ?
PRESS SET
```



```
FILE LIST
1:PRINT 2:VIEW
```



```
* PRINTING *
FILE LIST
```

Sample File List

```
***** -FILE LIST- ***** DATE MMM-dd-yyyy ***** TIME 15:00 *****
```

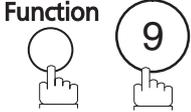
(1)	(2)	(3)	(4)	(5)	(6)
FILE No.	COMM. TYPE	CREATED TIME	START TIME	PAGES	DESTINATION(S)
001	DEFERRED XMT	MMM-dd 13:20	20:30		[001]
002	MEM. DEF. XMT	MMM-dd 13:20	22:30	003	[011] [012] [013] [016] [017]
					-PANASONIC -
		***** -HEAD OFFICE		- ***** - 201 555 1212- *****	

Explanation of Contents

- (1) File number If the file is now being executed, an "*" is indicated on the left of the file number.
- (2) Communication type
- (3) Stored date/time Date/time that the files were stored.
- (4) Executing time If the file is a Timer Controlled Communication, the start time is printed in this column.
If the file is an incomplete file, "INCOMP" is printed in this column.
- (5) Number of stored page(s)
- (6) Destination ABBR. No./One-Touch No./Manual Dialing No.

Viewing the Contents of a File List

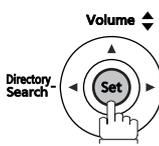
To view the contents of a file list on the display without printing it, follow the steps below.

- 1**

Function

EDIT FILE (1-6)
ENTER NO. OR ∨∧

- 2**

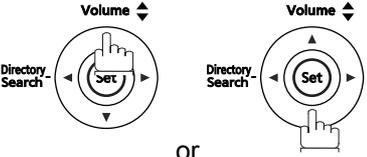

FILE LIST ?
PRESS SET

- 3**


FILE LIST
1:PRINT 2:VIEW

- 4**


USE ∨ ∧ KEYS
SCROLL EACH FILE

- 5**


or

repeatedly until the display shows a file you want to edit.

Sample display

Type of File	Status
XMT: Transmission	nn:nn: Start time
POLL: Polling	IN PRG: In progress
POLLED: Polled	REDIAL: Waiting to redial
RCV TO MEM: Receive to Memory	INCOMP: Incomplete file
CONF. MAIL: Conf. RCV / Conf. Polled	
PC JOB: PC Interface Job	
JOURNAL: Journal / Report	

001 XMT 10:00
 <01> (Stn name)

File Number

Entered station

- 6**

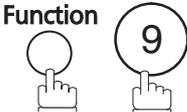
Stop

Edit File Mode

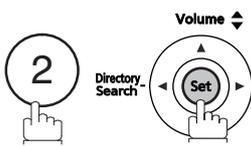
Changing the Start Time or the Station of a File

To change the start time and/or stations in a communication file, follow the steps below.

- 1** **Function**

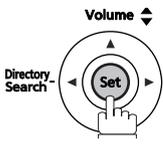


EDIT FILE (1-6)
ENTER NO. OR V^
- 2**



ENTER NO. OR V^
FILE NO.=■■■
- 3** Enter the file number or use ▼ or ▲ to select the file that you want to change.
Ex: 0 0 1

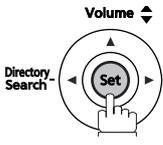
ENTER NO. OR V^
FILE NO.=001
- 4**



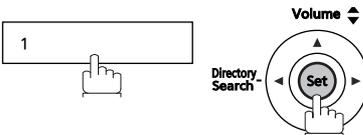
(See Note 2)

DEFERRED XMT
START TIME 22:30
- 5** Enter a new start time.
Ex: 0 6 0 0 (6:00 a.m.)
(If you do not have to change the time, skip to step 6.)

DEFERRED XMT
START TIME 06:00
- 6**



<01>(STN name)
5551234
- 7** To delete the station(s), press ▼ or ▲ key until the station you want to delete appears. Then press Clear.
or
Enter the station(s) you want to add.



ENTER STATION(S)
THEN PRESS START

1 STN(S) SET
ADD MORE, START
- 8** **Start**



* STORE * NO.005

NOTE

1. Your machine cannot change the start time and/or stations in the file while stored document is being sent or the machine is waiting to redial.
2. If the file is not a Deferred Communication File, the following message is shown in the display.

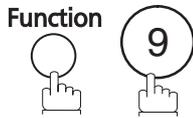
SET DEF. COMM.?
1:YES 2:NO

Press ① to change the type of the file for deferred communication file.

Deleting a File

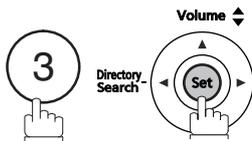
To delete the file in memory, follow the steps below.

1



```
EDIT FILE (1-6)
ENTER NO. OR V^
```

2



```
ENTER NO. OR V^
FILE NO.=■■■
```

3

Enter the file number or use or to select the file that you want to delete.

Ex: ① ① ① (See Note 2)

```
ENTER NO. OR V^
FILE NO.=001
```

4



```
DELETE FILE?
1: YES 2: NO
```

5



Enter the next file number you want to delete or press

to return to standby.

```
* DELETING *
FILE NO.=001
```

```
ENTER NO. OR V^
FILE NO.=■■■
```

NOTE

1. Your machine cannot delete the file while it is being sent.
2. Enter as the file number and press to delete all files (Except when there is a file in progress).
The following message is shown in the display.

```
DELETE ALL?
1: YES 2: NO
```

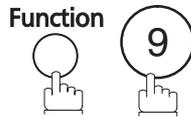
Press ① to delete all files.

Edit File Mode

Printing Out a File

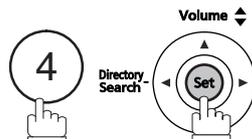
To print the contents of the communication file, follow the steps below.

1



```
EDIT FILE (1-6)
ENTER NO. OR V^
```

2



```
ENTER NO. OR V^
FILE NO.=■■■
```

3

Enter the file number or use ▼ or ▲ to select the file that you want to print.

Ex: 0 0 1

```
ENTER NO. OR V^
FILE NO.=001
```

4



Your machine will print the file. The document(s) will remain in the memory even after printing the file.

```
* PRINTING *
PAGE=001/003
```

NOTE

1. Your machine cannot print the file while it is being sent.

Adding Documents into a File

To add documents into the file, follow the steps below.

1

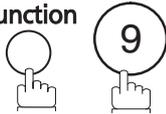


Set document(s) face up.

```
ENTER STATION(S)
THEN PRESS START
```

2

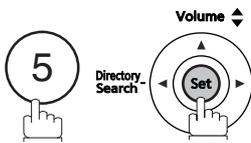
Function



Set document(s) face up.

```
EDIT FILE (1-6)
ENTER NO. OR V^
```

3



Enter the file number or use ▼ or ▲ to select the file that you want to add.

Ex: 0 0 1

```
ENTER NO. OR V^
FILE NO.=■■■
```

```
ENTER NO. OR V^
FILE NO.=001
```

4

Start



Your machine will start storing the document(s) into a file.

```
* STORE * NO.001
PAGES=002 10%
```

NOTE

1. Your machine cannot add the document to a file while it is being sent or when waiting to redial.

Edit File Mode

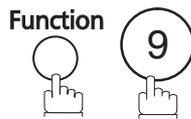
Retry an Incomplete File

If a memory communication has been unsuccessful due to a busy line or no answer, the document you stored is automatically delete from the memory after the last redial.

If you need to retain the document even if the communication failed, change the setting of Fax Parameter No. 31 (INC. FILE SAVE) to "VALID" in advance. (See page 39)

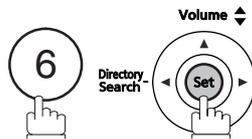
To retry the incomplete file, print a File List first to verify the file number. (See page 86)
Then follow the steps below.

1



```
EDIT FILE (1-6)
ENTER NO. OR V^
```

2



```
ENTER NO. OR V^
FILE NO.=■■■
```

3

Enter the file number or use \blacktriangledown or \blacktriangle to select the file that you want to retry.

Ex: 0 0 1

```
ENTER NO. OR V^
FILE NO.=001
```

4



Your machine will retry the file and start dialing immediately.

```
* STORE * NO.001
<01>(STN name)
```

```
* DIALING *
(STN name)
```

NOTE

1. To confirm or change the entered telephone number for the file. (See pages 86 and 88)

Access Code

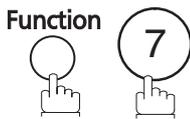
General Description

The Access Code prevents an unauthorized user from operating the machine. Once a 8-digit Access Code is registered, no one can operate the machine without entering the correct access code.

Automatic Receiving, however, is always available. After you complete any operation, such as mode setting or transmission, and the display returns to standby, you have to re-enter the access code in order to use the machine again. Registering the Access Code does not affect the use of the machine in any other way.

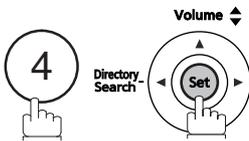
Setting the Access Code

1



```
SET MODE (1-8)
ENTER NO. OR √∧
```

2



```
KEY OPERATOR ID
ENTER ID=■
```

3

Enter the Key Operator Password (The factory default password is 00000000.) and press .

```
FAX PARAMETERS
NO.=■ (01-169)
```

4



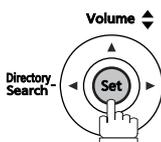
```
ACCESS CODE?
■
```

5

Enter a 8-digit Access Code.
Ex: (1) (2) (3) (4) (5) (6) (7) (8)

```
ACCESS CODE?
12345678
```

6



7



NOTE

- To delete the Access Code, enter the Access Code and press and follow the procedure above to step 4, then press , , and .

Access Code

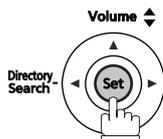
Operating Your Machine with the Access Code

1 Enter the Access Code.
Ex: ① ② ③ ④ ⑤ ⑥ ⑦ ⑧

```
MMM-dd 15:00
ACCESS CODE=■
```

```
ACCESS CODE
ENTER ID=*****■
```

2



Now you can operate the machine normally.

```
MMM-dd 15:00
00%
```

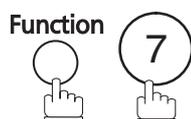
Receive To Memory

General Description

This feature is used to secure all received documents by storing them into the memory. To print out the document from memory, the authorized operator must enter the correct password.

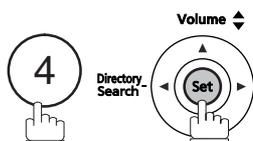
Setting the RCV To Memory Password

1



```
SET MODE (1-8)
ENTER NO. OR V^
```

2



```
KEY OPERATOR ID
ENTER ID=■
```

3

Enter the Key Operator Password (The factory default password is 00000000.) and press .

```
FAX PARAMETERS
NO.=■ (01-169)
```

4



```
RCV TO MEMORY?
■
```

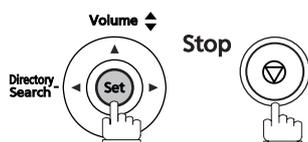
5

Enter a 8-digit RCV to Memory Password.

Ex: ① ② ③ ④ ⑤ ⑥ ⑦ ⑧

```
RCV TO MEMORY?
12345678
```

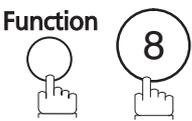
6



Receive To Memory

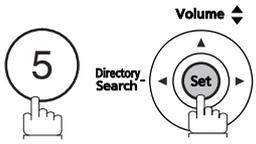
Setting RCV To Memory

1



SELECT MODE (1-9)
ENTER NO. OR √^

2



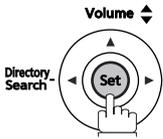
RCV TO MEMORY?
OFF<>

3



RCV TO MEMORY?
ON<>

4



MMM-dd 15:00
<RCV TO MEMORY>

NOTE

1. When the memory overflows, the machine will stop receiving and release the line. The machine will not answer the next incoming call until there is space available in the memory.

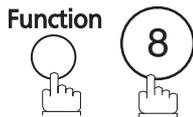
Printing Out Documents

After receiving a document with the Receive To Memory feature, the following message will appear on the display.

MESSAGE IN MEM.
<RCV TO MEMORY>

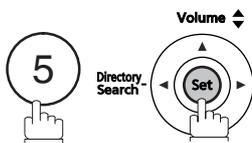
To print the document, follow the steps below.

1



SELECT MODE (1-9)
ENTER NO. OR √^

2



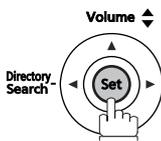
RCV TO MEMORY?
ON<>

3



RCV TO MEMORY?
PRINT<>

4



INPUT PASSWORD
ENTER ID=■

5

Enter the password to print the documents.
(See Note 1)

Ex: ① ② ③ ④ ⑤ ⑥ ⑦ ⑧

INPUT PASSWORD
ENTER ID=*****■

6



Machine will start to print the documents.

* PRINTING *
MEMORY RCV'D DOC

NOTE

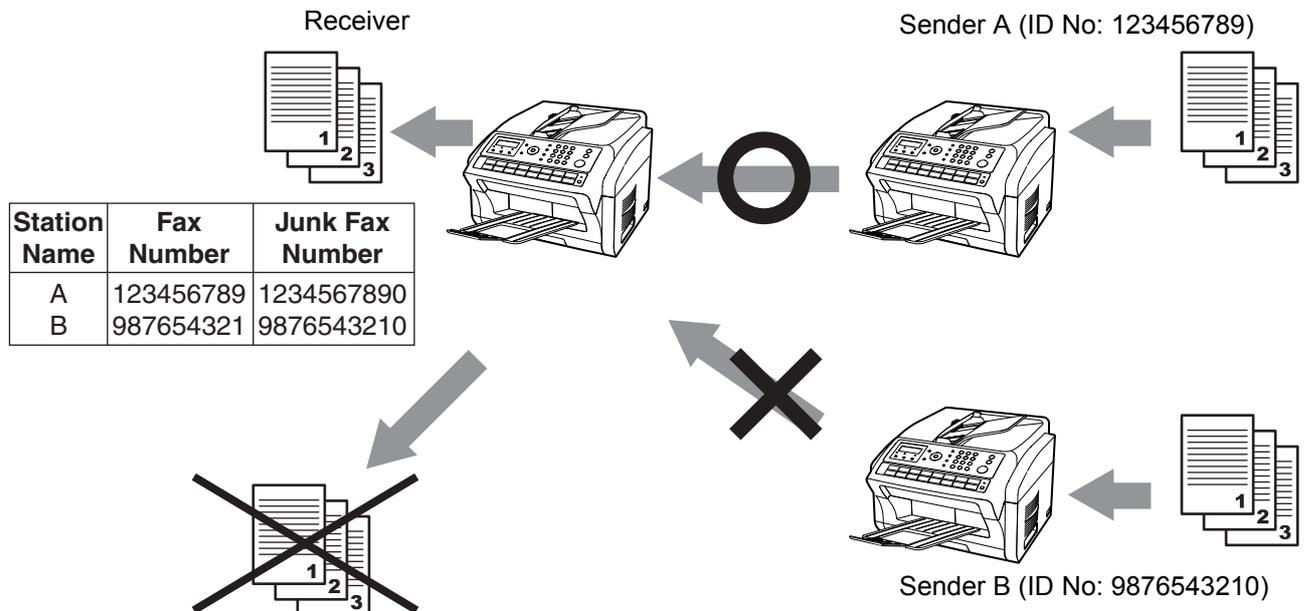
1. If the password has not been set, your machine will not prompt you to enter the password and the documents will be printed immediately after pressing **Set** in step 4.
2. Once the RCV TO MEMORY feature is set to "VALID", the password cannot be changed (Fax Parameter No. 37 will not be shown on the LCD display). If you wish to change the password, set RCV TO MEMORY feature to "INVALID" first. Then change the password. (See page 95)

Junk Fax Filtering

General Description

This machine can filter incoming faxes to prevent receipt of unnecessary documents (Junk fax, etc.).

Before receiving the document, the sender's numeric ID (Fax number) will be compared to the numbers registered as junk fax numbers in the receiving station. If the fax number is found in the registry, the machine will cancel the reception.



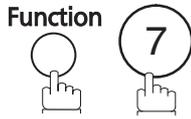
NOTE

- 1 The standard setting of the Fax Parameter "135 JUNK FAX FILTER (01. JUNK FAX FILTER)" is "INVALID". For instructions on how to enable the Junk Fax Filter feature, see page 42.
- 2 This feature requires the registration of the junk fax numbers.
- 3 This machine will receive documents from senders whose fax numbers are not registered in the numeric ID if "135 JUNK FAX FILTER (02. RCV WITHOUT ID)" is set to "VALID".
- 4 The sender's numeric ID and received time will be printed on the faxes.
- 5 The remote machines you send faxes to may have its Junk Filter function set to Valid.

Set the Filter

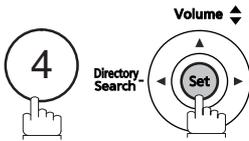
Set the Junk Fax Filter to prevent receiving unnecessary documents. When set to "VALID", the machine will not receive faxes from senders whose numeric ID has been registered as junk fax number. It is required to register the junk fax number (up to 30 fax numbers) for reception refusal to make this function effective. (See page 42)

1



```
SET MODE (1-8)
ENTER NO. OR V^
```

2



```
KEY OPERATOR ID
ENTER ID=■
```

3

Enter the Key Operator Password (The factory default password is 00000000.) and press .

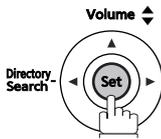
```
FAX PARAMETERS
NO.=■ (1-169)
```

4



```
JUNK FAX FILTER?
PRESS SET
```

5



```
JUNK FAX FILTER?
ENTER NO. OR V^
```

6



```
JUNK FAX FILTER?
INVALID<>
```

7



for INVALID.

or



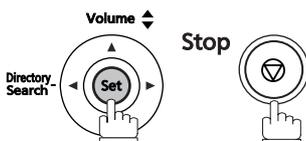
for VALID.

```
JUNK FAX FILTER?
INVALID<>
```

or

```
JUNK FAX FILTER?
VALID<>
```

8



Junk Fax Filtering

Receive without ID

When set to "VALID", the machine will receive faxes from senders without numeric ID registered. When set to "INVALID", reception is denied in cases where it is not possible to receive number IDs.

This setting is available only when "135 JUNK FAX FILTER (01. JUNK FAX FILTER)" is set to "VALID".

1 Same as procedure 1 to 5 of "Set the Filter" (See page 99)

JUNK FAX FILTER?
ENTER NO. OR V^

2 

RCV WITHOUT ID?
VALID<>

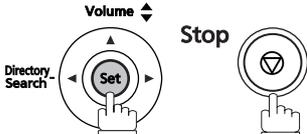
3  for INVALID.
or

RCV WITHOUT ID?
INVALID<>

or

 for VALID.

RCV WITHOUT ID?
VALID<>

4 

Received ID Print

When set to "VALID", the sender's numeric ID and received time are printed at the bottom of the received faxes. If the sender's numeric ID is not registered, only the received time is printed.

This setting is available only when "135 JUNK FAX FILTER (01. JUNK FAX FILTER)" is set to "VALID".

1 Same as procedures 1 to 5 of "Set the Filter" (See page 99)

```
JUNK FAX FILTER?
ENTER NO. OR V^
```

2 

```
RECEIVED ID PRT?
VALID<>
```

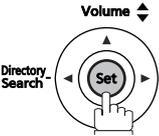
3  for INVALID.
or

```
RECEIVED ID PRT?
INVALID<>
```

or

 for VALID.

```
RECEIVED ID PRT?
VALID<>
```

4  

Junk Fax Filtering

Register Junk Fax Number

Register fax numbers as junk fax number.

Up to 30 ID numbers can be registered as junk fax numbers. (Including numerals "0-9", blank space, and + symbol.)

When comparing the sender's numeric ID to the registered junk fax numbers, blank spaces between numbers and "0" at the beginning of the number are ignored.

1 Same as procedure 1 to 5 of "Set the Filter" (See page 99)

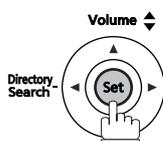
JUNK FAX FILTER?
ENTER NO. OR V^

2



ID NO. REGISTR.?
PRESS SET

3



ID NO. REGISTR.?
ENTER NO. OR V^

4

Enter the ID number you wish to register.

Ex: ① ⑤

ENTER ID NO.
15

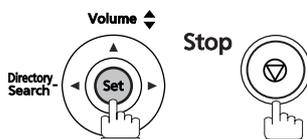
5

Enter the junk fax number you wish to register.

Ex: ⑤ ⑤ ⑤ Abbr Dial/Space ③ ④ ⑤ ⑥

ENTER ID NO.
15 555 3456

6



Distinctive Ring Detector (DRD)

General Description

This function is only effective for companies in countries which offer the DRD Service.

Your machine has a special feature in conjunction with an optional service provided by many local telephone companies. It can distinguish up to 2 telephone numbers with a corresponding ring pattern identifying each number. "DRD" lets you provide multiple phone numbers, one for your fax, business or personal use with just a single phone line.

Please check with your local telephone company on the availability of this service in your area.

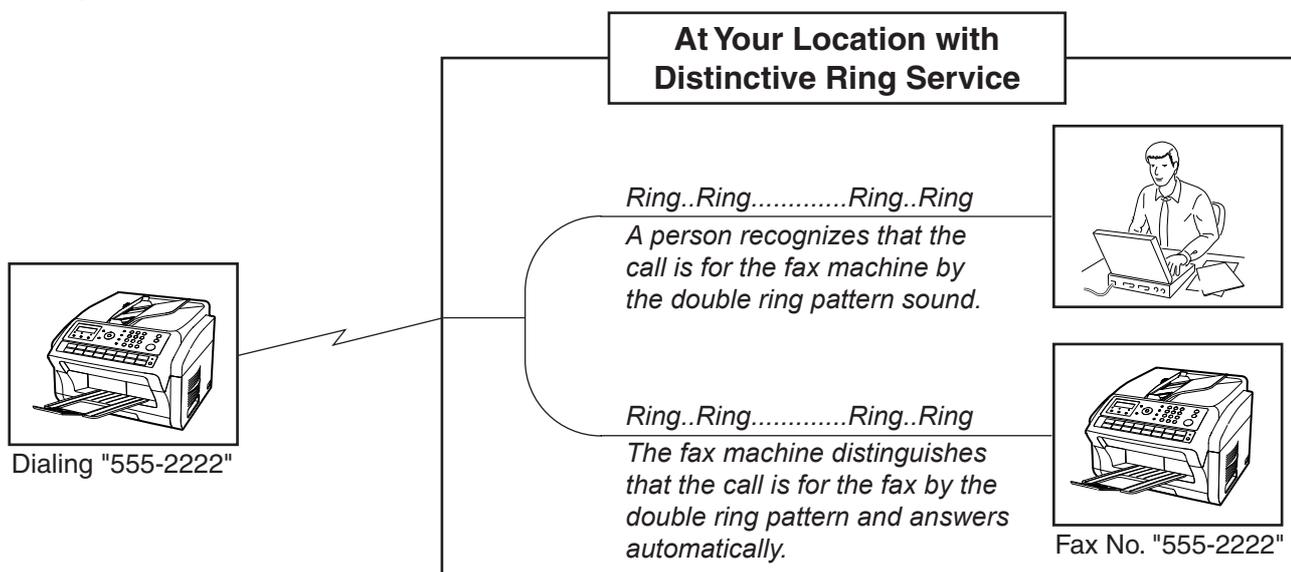
Your machine can be programmed to respond to the specified ring pattern only for the DRD Service. To enable your machine to detect the ring pattern only for fax communication, change the setting of Fax Parameter No. 36 (See page 39).

The following table shows a typical example with 2 telephone numbers on a single phone line.

Ex: Specified Ring Pattern = Double Ring

Telephone No.	Usage	Distinctive Ring Sound	Ring Pattern
555-1111	Business	Riing.....Riing.....	Standard Ring
555-2222	Fax	Ring...Ring.....Ring...Ring.....	Specified Ring (Double Ring)

The following illustration shows a typical set-up, with your machine set to detect Specified Ring (Double Ring).



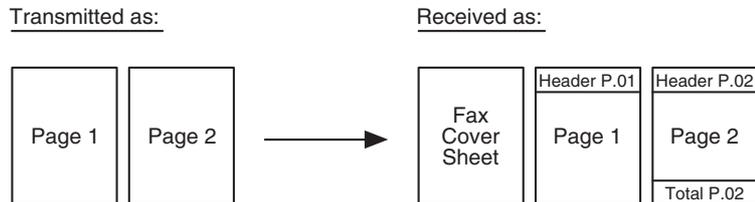
NOTE

1 "Riing" means a long ringing sound and "Ring" means a short ringing sound.

Fax Cover Sheet

General Description

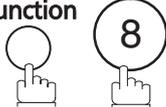
A Fax Cover Sheet can be automatically attached to your transmit document(s) that shows the recipient's name, originator's name and the number of pages attached.

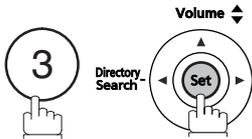


To use the Fax Cover Sheet

To attach a Fax Cover Sheet to a transmission, follow the procedure below.

- 1**  Set document(s) face up.

ENTER STATION(S)
THEN PRESS START
- 2** **Function**  Set document(s) face up.

SELECT MODE (1-9)
ENTER NO. OR ∨∧
- 3**  **Volume**  **Directory Search**  **Set** 

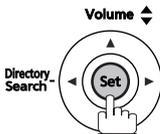
COVER SHEET?
OFF<>
- 4**  for "OFF" (Cover Sheet is not attached)

or

 for "ON" (Cover Sheet is attached)

COVER SHEET?
OFF<>

or

COVER SHEET?
ON<>
- 5**  **Volume**  **Directory Search**  **Set** 

ENTER STATION(S)
THEN PRESS START
- 6** Dial the station(s) you wish to send the documents to.

Ex: **Start** 

NOTE

1. To change the preset Fax Cover Sheet Setting, change the setting of Fax Parameter No. 56. (See page 40).
2. This function is available in memory or direct transmission modes.
3. The Fax Cover Sheet is not counted in the number of pages column of the journals.

To use the Fax Cover Sheet

Fax Cover Sheet Sample

***** FACSIMILE COVER SHEET *****

(1)
MMM-dd-yyyy 15:00

(2)
Message To:
SALES DEPT.

(3)
Message From:
PANASONIC
201 555 1212

(4)
02
Page(s)
Following This Cover Page

Explanation of Contents

- (1) Starting time of communication.
- (2) Recorded name in the One-Touch, ABBR. No. or dialed telephone number.
- (3) Your LOGO (up to 25 characters) and ID Number. (up to 20 digits)
- (4) The number of pages to follow. This information is not shown when transmitting by Direct Transmission Mode.

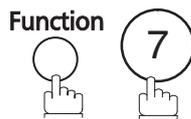
PIN Code Access

General Description

If your PBX requires a PIN (Personal Identification Number) code to get an outside line, your machine can be set to prompt the user to enter a PIN code before any dialing.

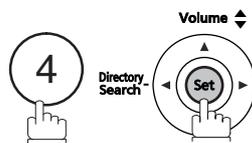
Selecting the Access Method (Prefix or Suffix)

1



```
SET MODE (1-8)
ENTER NO. OR \^
```

2



```
KEY OPERATOR ID
ENTER ID=■
```

3

Enter the Key Operator Password (The factory default password is 00000000.) and press .

```
FAX PARAMETERS
NO.=■ (01-169)
```

4



```
PIN CODE ACCESS?
NONE<>
```

5



or

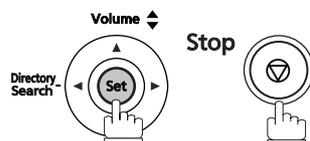


```
PIN CODE ACCESS?
SUFFIX<>
```

or

```
PIN CODE ACCESS?
PREFIX<>
```

6



Dialing with a PIN Code

1



Set document(s) face up.

```
ENTER STATION(S)
THEN PRESS START
```

2

Dial by any combination of the following methods:

- One-Touch Dialing
- Abbreviated Dialing
- Manual Number Dialing, press after each station is entered (Up to 12 stations)
- Directory Search Dialing, press after each station is entered (For details, see pages 50 to 52.)

Ex:

1



Abbr Dial/
Space



If you want to confirm the number of stations you have entered, press .

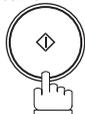
```
<01> (STN name)
5551234
```

```
[010] (STN name)
5553456
```

```
2 STN(S) SET
ADD MORE, START
```

3

Start



```
ENTER PIN CODE
```

4

Ex: 9 8 7 6 (Up to 36 digits)

```
ENTER PIN CODE
9876
```

5

Start



Your machine stores the document and starts dialing the PIN code and telephone number as specified.

```
* STORE * NO.002
PAGES=001 05%
```

```
* DIALING *
(STN name)
```

NOTE

1. The PIN code is shown as " ■ " on the display when dialing the number.
2. This feature is not available when dialing a number by using Off-Hook or On-Hook Direct dialing mode.

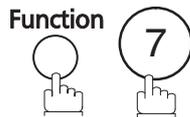
Fax Forward

Setting Fax Forward

This feature allows all incoming faxes to be forwarded to the station registered in the one-touch or abbreviated dialing number. Once the faxes are received in the memory, the machine will forward the received document(s) to the telephone number registered in the one-touch or abbreviated dialing number.

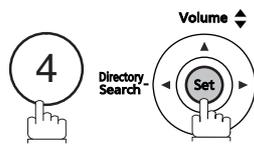
This function is convenient when you would like to receive faxes in another location (**Ex:** your home) at night or during a holiday.

1



SET MODE (1-8)
ENTER NO. OR V^

2



KEY OPERATOR ID
ENTER ID=■

3

Enter the Key Operator Password (The factory default password is 00000000.) and press .

FAX PARAMETERS
NO.=■ (01-169)

4



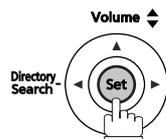
FAX FORWARD?
INVALID<>

5



FAX FORWARD?
VALID<>

6



FAX FORWARD?
ENTER STATION

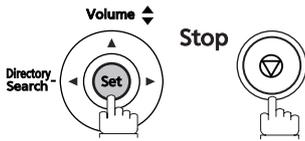
Setting Fax Forward

7 Enter the station to which the received faxes should be forwarded to by assigning a one-touch key or an abbreviated dialing number.

<01> (STN name)
5551234

Ex:

8



NOTE

1. When the Fax Forward feature is set, the one-touch or abbreviated dialing number is restricted from editing. Please change this function to "INVALID" if you would like to edit the telephone number.
2. If the communication to transfer a received document(s) fails, the received document will print out and is then deleted from the memory even if the Fax Parameter No. 31 (INC. FILE SAVE) is set to "VALID".
If you wish to save the document into the memory in case of a communication failure, set your machine to Receive To Memory. (See page 96)
3. If the machine's memory has reached approximately 99%, receiving into memory will not be possible.

Department Code

General Description

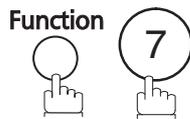
This operation requires the user to input a preset Department Code (8-digit maximum) before transmission.

The Department Name of the selected Department Code is printed on the Header of each page sent, COMM. Journal and Individual Transmission Journal.

When the Department Code is set, the Transaction Journal will be sorted by the Department Code number (1 - 24) when it is printed.

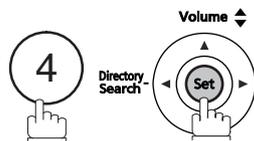
Setting the Department Code

1



```
SET MODE (1-8)
ENTER NO. OR v^
```

2



```
KEY OPERATOR ID
ENTER ID=#
```

3

Enter the Key Operator Password (The factory default password is 00000000.) and press .

```
FAX PARAMETERS
NO.=# (01-169)
```

4



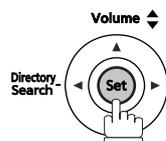
```
LOGO/DEPT. CODE?
INVALID<>
```

5



```
LOGO/DEPT. CODE?
DEPT. CODE<>
```

6



```
DEPT. CODE
ENTER NO. OR v^
```

7

Enter Department Code number.

Ex: ① ② (01 to 24)

```
LOGO/DEPT. NAME
12 #
```

8

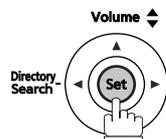
Enter your Department Name (max. 25 characters and digits) by using Keypad.

Ex:

(See Note 1)

```
LOGO/DEPT. NAME
12 ASONIC SALES#
```

9



```
INPUT DEPT. CODE
12 #
```

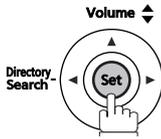
Setting the Department Code

10 Enter the Department Code using the Keypad (up to 8 digits).

Ex: ① ② ③ ④

```
INPUT DEPT. CODE
12 1234
```

11



```
LOGO/DEPT. NAME
13 ■
```

To record another Department Code, repeat step 7 to 11.

To return to standby, press .

NOTE

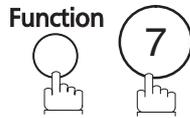
1. Use to copy the default LOGO which is set in the User Parameters. You can add the department name following the default LOGO.
2. When enabling the Dept. Code feature for the first time, it is important to Print the Journal by pressing , ⑥, ①, and ① in order to erase the previous journal contents.

Department Code

Changing or Erasing the Department Code

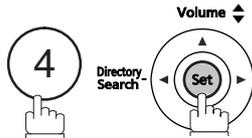
If you have to change or erase any of the Department Codes, follow the steps below.

1



SET MODE (1-8)
ENTER NO. OR √^

2



KEY OPERATOR ID
ENTER ID=■

3

Enter the Key Operator Password (The factory default password is 00000000.) and press .

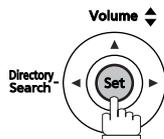
FAX PARAMETERS
NO.=■ (01-169)

4



LOGO/DEPT. CODE?
DEPT. CODE<>

5



DEPT. CODE
ENTER NO. OR √^

6

Enter the Department Code number you wish to change or erase.

Ex: ① ② (01 to 24)

LOGO/DEPT. NAME
12 PANASONIC SAL

7

Clear



then enter a new LOGO. (See Note 1 and 2)

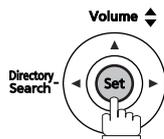
Ex:

or just go to step 10 to erase the Department Code.

LOGO/DEPT. NAME
12 ■

LOGO/DEPT. NAME
12 ANAFAX SALES■

8



INPUT DEPT. CODE
12 1234

9

Then enter a new Department Code.

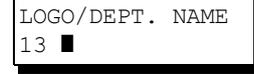
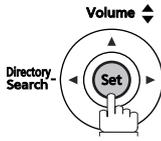
Ex: ① ② ③ ④ ⑤ ⑥ ⑦ ⑧

INPUT DEPT. CODE
12 ■

INPUT DEPT. CODE
12 12345678

Changing or Erasing the Department Code

10



To change or erase another Department Code, repeat step 6 to 10. To return to standby, press .

NOTE

1. If you make a mistake, use to move the cursor beyond the incorrect character, press then re-enter the correct Department Name.
2. Use to copy the default LOGO which is set in the User Parameters. You can add the department name following the default LOGO.

Department Code

Sending Document with Department Code

1



Set document(s) face up.

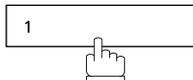
ENTER STATION(S)
THEN PRESS START

2

Dial by any combination of the following methods:

- One-Touch Dialing
- Abbreviated Dialing
- Manual Number Dialing, press after each station is entered (UP to 10 stations)
- Directory Search Dialing, press after each station is entered (For details, see page 50 to 52.)

Ex:



Abbr Dial/
Space



If you want to confirm the number of stations you have entered, press .

<01> (STN name)
5551234

[010] (STN name)
5553456

2 STN(S) SET
ADD MORE, START

INPUT DEPT. CODE

3

Start



4

Enter the Department Code using the Keypad (up to 8 digits).

Ex: ① ② ③ ④ ⑤ ⑥ ⑦ ⑧

INPUT DEPT. CODE

5

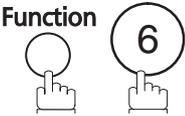
Start



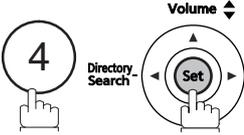
The document is sent with the header of the selected Department Name. The selected Department Name is printed on the COMM. Journal, Individual Transmission Journal and Cover Sheet.

Printing a Department Code List

The Department Code List can be printed out following the Fax Parameter List.

- 1** **Function** 

PRINT OUT (1-6)
ENTER NO. OR v^

- 2** 

KEY OPERATOR ID
ENTER ID=■

- 3** Enter the Key Operator Password (The factory default password is 00000000.) and press .

* PRINTING *
FAX PARAM. LIST

Sample Department Code List (Prints following the Fax Parameter List)

```

***** -FAX PARAMETER LIST- ***** DATE MAR-12-2011 ***** TIME 15:00 *** P.02

DEPARTMENT CODE LIST

(1)          (2)          (3)
NUMBER      DEPARTMENT NAME      DEPARTMENT CODE

01          Panafax Sales          0001
02          Panafax Service        0002
03          Panafax Accounting     0003

          )

24          Panafax Engineering    0024

          -PANASONIC
***** -HEAD OFFICE - ***** 201 555 1212 - *****

```

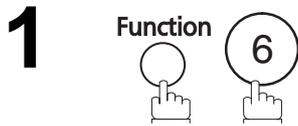
Explanation of Contents

- (1) Department Code Number 01-24
- (2) Department Name Up to 25 characters
- (3) Department Code Up to 8 digits

Department Code

Printing a Department Code Journal

When the Department Code is set, the Transaction Journal will be sorted by the Department Code number when it is printed. All contents of the Journal will be erased automatically after being printed.



PRINT OUT (1-6)
ENTER NO. OR V^



JOURNAL
1:PRINT 2:VIEW



* PRINTING *
JOURNAL

Sample Department Code Journal / Originated Calls

```
***** -JOURNAL- ***** DATE MAR-12-2011 ***** TIME 15:00 *** P.01

ORIGINATED CALLS
MAR-10 TO MAR-12 (1)

(2)                (3)
TOTAL PAGES = 000038  TOTAL TIME = 00:23:56

(4)    (5)
01: Panafax Sales
-----
NO.  COMM.  PAGES  FILE  DURATION  X/R  IDENTIFICATION  DATE  TIME  DIAGNOSTIC
01   OK    005           00:05:13  XMT   □ 5551234      MAR-10 15:10  C0044903C0000000
21   OK    021/021  019   00:10:15  FWD   FAX FORWARD    MAR-10 18:10  C0044903C0000000
(6)                (7)
TOTAL PAGES = 000026  TOTAL TIME = 00:15:28

02: Panafax Service
-----
NO.  COMM.  PAGES  FILE  DURATION  X/R  IDENTIFICATION  DATE  TIME  DIAGNOSTIC
19   OK    001/001  017   00:00:13  XMT   □ 5551234      MAR-11 10:10  C0044903C00000000
30   OK    011/011  045   00:08:15  XMT   SERVICE DEPT.  MAR-12 13:10  C0044903C00000000

TOTAL PAGES = 000012  TOTAL TIME = 00:08:28

-PANASONIC
***** -HEAD OFFICE - ***** - 201 555 1212 - *****
```

Sample Department Code Journal / Received Calls

```

***** -JOURNAL- ***** DATE MAR-12-2011 ***** TIME 15:00 *** P.02

RECEIVED CALLS
MAR-10 TO MAR-12 (1)

(2) (3)
TOTAL PAGES = 000011 TOTAL TIME = 00:13:41

NO. COMM. PAGES FILE DURATION X/R IDENTIFICATION DATE TIME DIAGNOSTIC
55 OK 005 00:05:13 RCV 4445678 MAR-10 12:10 C0044903C0000000
56 OK 005/005 020 00:08:15 PLD 111 222 333 MAR-10 19:15 C0044903C0000000

70 OK 001 017 00:00:13 RCV 44567345 MAR-11 10:10 C0044903C0000000

-PANASONIC -
***** -HEAD OFFICE - ***** 201 555 1212 - *****

```

Explanation of Contents

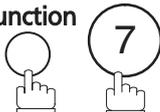
- (1) Date period of this journal
- (2) Number of total pages transmitted/received for this machine.
- (3) Total transmitted/received time for this machine.
- (4) Department Code Number 01-24
- (5) Department Name
- (6) Number of total pages transmitted/received for this department.
- (7) Total transmitted/received time for this department.

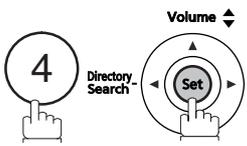
Multiple LOGO

General Description

This operation allows the user to select one of the 25 preset LOGOs before a transmission. The selected LOGO is printed on the Header of each page sent, Cover Sheet, COMM. Journal and Individual Transmission Journal.

Setting the Multiple LOGO

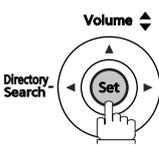
- 1** **Function** 

SET MODE (1-8)
ENTER NO. OR v^
 - 2** 

KEY OPERATOR ID
ENTER ID=■
 - 3** Enter the Key Operator Password (The factory default password is 00000000.) and press .

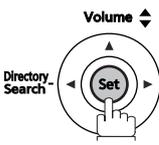
FAX PARAMETERS
NO.=■ (01-169)
 - 4** 

LOGO/DEPT. CODE?
INVALID<>
 - 5** 

LOGO/DEPT. CODE?
MULTI LOGO<>
 - 6** 

MULTI-LOGO
ENTER NO. OR v^
 - 7** Enter LOGO number.
Ex: ① ② (01 to 24)

LOGO/DEPT. NAME
12 ■
 - 8** Enter your LOGO (max. 25 characters and digits) by using Keypad. (See page 16 and 31)
Ex:

LOGO/DEPT. NAME
12 ASONIC SALES■
 - 9** 

LOGO/DEPT. NAME
13 ■
- To record another LOGO, repeat step 7 to 9. To return to standby, press .

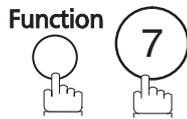
NOTE

1. Use to copy the default LOGO which is set in the User Parameters. You can add the department name following the default LOGO.

Changing or Erasing the Multiple LOGO

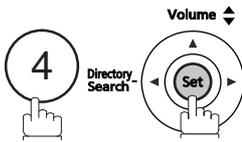
If you have to change or erase any of the Multiple LOGOs, follow the steps below.

1



```
SET MODE (1-8)
ENTER NO. OR v^
```

2



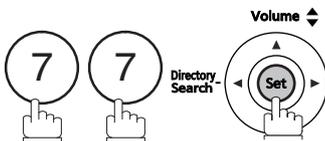
```
KEY OPERATOR ID
ENTER ID=■
```

3

Enter the Key Operator Password (The factory default password is 00000000.) and press .

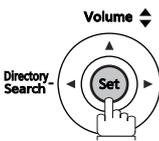
```
FAX PARAMETERS
NO.=■ (01-169)
```

4



```
LOGO/DEPT. CODE?
MULTI LOGO<>
```

5



```
MULTI-LOGO
ENTER NO. OR v^
```

6

Enter the LOGO number you wish to change or erase.
Ex: ① ② (01 to 24)

```
LOGO/DEPT. NAME
12 ■ANASONIC SAL
```

7



then enter a new LOGO (See Note 1 and 2).

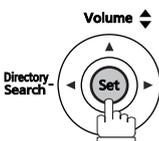
Ex:

or just go to step 8 to erase the LOGO.

```
LOGO/DEPT. NAME
12 ■
```

```
LOGO/DEPT. NAME
12 ANAFAX SALES■
```

8



To return to standby, press .

```
LOGO/DEPT. NAME
13 ■
```

NOTE

- If you make a mistake, use to move the cursor beyond the incorrect character, press then re-enter the correct LOGO.
- Use to copy the default LOGO which is set in the User Parameters. You can add the department name following the default LOGO.

Multiple LOGO

Sending Document with Multiple LOGO

1



Set document(s) face up.

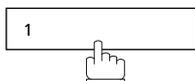
ENTER STATION(S)
THEN PRESS START

2

Dial by any combination of the following methods:

- One-Touch Dialing
- Abbreviated Dialing
- Manual Number Dialing, press after each station is entered (UP to 10 stations)
- Directory Search Dialing, press after each station is entered (For details, see page 50 to 52.)

Ex:



Abbr Dial/
Space



If you want to confirm the number of stations you have entered, press .

<01> (STN name)
5551234

[010] (STN name)
5553456

2 STN(S) SET
ADD MORE, START

3

Start



SELECT LOGO
ENTER NO. OR v^

4

Enter the LOGO No. or use or to select the LOGO that you want to use. (See Note 2)

Ex: ① ②

12 PANASONIC SAL
ES

5

Start



The document is sent with the header of the selected LOGO. The selected LOGO is printed on the COMM. Journal, Individual Transmission Journal and Cover Sheet.

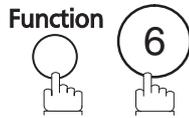
NOTE

1. The Multiple LOGO function cannot be used in the Voice Dialing Mode.
2. If you skip selecting the LOGO in the step 4, the unit selects the default LOGO (00) which is set in the User Parameters.

Printing a Multiple Logo List

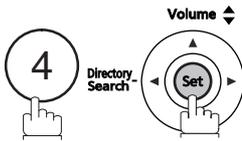
The Multiple Logo List can be printed out following the Fax Parameter List.

1



```
PRINT OUT (1-6)
ENTER NO. OR v^
```

2



```
KEY OPERATOR ID
ENTER ID=■
```

3

Enter the Key Operator Password (The factory default password is 00000000.) and press .

```
* PRINTING *
FAX PARAM. LIST
```

Sample Multiple LOGO List (Prints following the Fax Parameter List)

```
***** -FAX PARAMETER LIST- ***** DATE MAR-12-2011 ***** TIME 15:00 *** P.02

MULTI-LOGO LIST
(1)      (2)
NUMBER   LOGO
01       Panafax Sales
02       Panafax Service
03       Panafax Accounting

          )

24       Panafax Engineering

                                     -PANASONIC -
***** -HEAD OFFICE - ***** - 201 555 1212 - *****
```

Explanation of Contents

- | | |
|-------------------|---------------------|
| (1) LOGO Number | 01-24 |
| (2) Multiple LOGO | Up to 25 characters |

Selective Reception

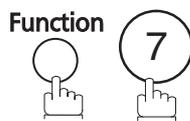
General Description

Your machine has a special feature known as Selective Reception which can prevent receipt of unnecessary documents (**Ex:** junk fax, direct mail, etc.).

Before receiving the document, the last 4 digits of the ID Number received from the sending machine will be compared with the last 4 digits of the telephone number programmed in each One-Touch or Abbreviated station. When a match is found, your machine will start receiving the document. If a match is not found, your machine will cancel the reception and an Information Code 406 will be recorded on the Journal.

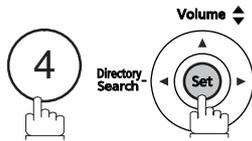
Setting the Selective Reception

1



```
SET MODE (1-8)
ENTER NO. OR \^
```

2



```
KEY OPERATOR ID
ENTER ID=■
```

3

Enter the Key Operator Password (The factory default password is 00000000.) and press .

```
FAX PARAMETERS
NO.=■ (01-169)
```

4



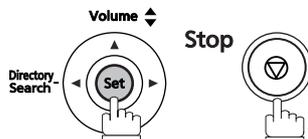
```
SELECT RCV?
INVALID<>
```

5



```
SELECT RCV?
VALID<>
```

6



NOTE

1. When the Selective Reception is set, your machine can receive only from those stations which are programmed in the built-in auto-dialer.
2. If your ID number has not been set, your machine might not be able to receive from some models.
To set your ID number, See page 29.

Password Communications

General Description

Password Communications, including Password Transmission and Password Reception, will prevent your machine from sending a fax to a wrong station or receiving a fax from an unauthorized station. You can set Password Transmission and Password Reception independently, or both together.

To use Password Transmission, you must set a 4-digit transmission password in advance. The password must be shared with other compatible Panafax machine(s). If the transmission password in your machine does not match the transmission password in the other compatible Panafax machine(s), the transmission will fail. You can select password transmission by setting Function 8-4 (PASSWORD-XMT) to **"ON"** when you send a document.

To use Password Reception, you must set a 4-digit receiving password in advance. The password must be shared with the other compatible Panafax machine(s). If the password in your machine does not match the receiving password in the other compatible Panafax machine(s), the reception will fail. Once you set password reception and set the parameter to **"ON"**, it stays that way until you change the setting to **"OFF"**.

Compatibility with Other Machines

This function is available when the remote station is a Panasonic Business Model (UF / DP / DX series). The compatible Panasonic machines are listed below. For details on machines not listed here, contact your local authorized Panasonic dealer.

- UF-270M
- UF-300
- UF-400
- UF-590
- UF-750
- UF-780
- UF-880
- UF-990
- UF-4600
- UF-5300
- UF-6000
- UF-7200
- DP-180
- DP-1810F
- DP-3030
- DP-4530
- DP-8020P
- DP-8035
- DP-C213
- DP-C265
- DP-C322
- DP-C406
- DX-600
- UF-280M
- UF-312
- UF-550
- UF-595
- UF-755
- UF-788
- UF-885
- UF-1100
- UF-M500
- UF-5500
- UF-6100
- UF-8200
- DP-190
- DP-1820E
- DP-3520
- DP-6020
- DP-8020E
- DP-8045
- DP-C262
- DP-C266
- DP-C323
- DX-800
- UF-322
- UF-560
- UF-766
- UF-790
- UF-890
- UF-4000
- UF-5100
- UF-5600
- UF-6200
- UF-9000
- DP-1820P
- DP-3530
- DP-6030
- DP-8025
- DP-8060
- DP-C263
- DP-C305
- DP-C354
- UF-585
- UF-770
- UF-895
- UF-4500
- UF-5200
- UF-6300
- DP-2330
- DP-4520
- DP-8032
- DP-C264
- DP-C306
- DP-C405

NOTE

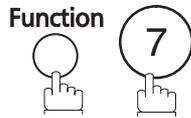
1. UF-788 with PC Interface Option or the Option ROM installed.

Password Communications

Setting Password Transmission

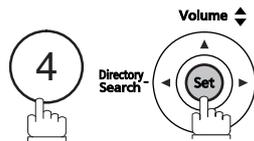
To set transmission password and parameter,

1



```
SET MODE (1-8)
ENTER NO. OR V^
```

2



```
KEY OPERATOR ID
ENTER ID=#
```

3

Enter the Key Operator Password (The factory default password is 00000000.) and press .

```
FAX PARAMETERS
NO.=# (01-169)
```

4



```
PASSWORD-XMT?
■■■■
```

5

Enter a 4-digit Transmission Password.
Ex: ① ② ③ ④ and press .

```
PASSWD-XMT?
1234 OFF<>
```

6

① for "OFF" (Password is not checked)
or

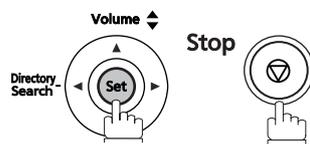
② for "ON" (Password is checked)

```
PASSWD-XMT?
1234 OFF<>
```

or

```
PASSWD-XMT?
1234 ON<>
```

7



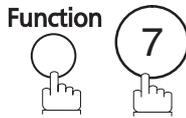
NOTE

1. You can change the setting temporarily by using FUNCTION 8-4 (PASSWORD-XMT) for each transmission. (See page 126)
2. To change the password, press in step 5. Then re-enter a new one.

Setting Password Reception

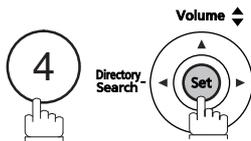
To set the receiving password and parameter,

1



```
SET MODE (1-8)
ENTER NO. OR V^
```

2



```
KEY OPERATOR ID
ENTER ID=■
```

3

Enter the Key Operator Password (The factory default password is 00000000.) and press .

```
FAX PARAMETERS
NO.=■ (01-169)
```

4



```
PASSWORD-RCV?
■■■■
```

5

Enter a 4-digit Transmission Password.

Ex: ① ② ③ ④ and press .

```
PASSWORD-RCV?
1234 OFF<>
```

6



for "OFF" (Password is not checked)

or



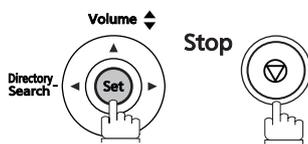
for "ON" (Password is checked)

```
PASSWORD-RCV?
1234 OFF<>
```

or

```
PASSWORD-RCV?
1234 ON<>
```

7



NOTE

- Once you set the parameter, you cannot select the parameter, "OFF" or "ON" for each reception. It is always "OFF" or "ON" until you change the setting.
- To change the password, press in step 5. Then re-enter a new one.

Password Communications

Using Password Transmission

To use Password Transmission, you can select PASSWORD-XMT "OFF" or "ON" for each Transmission by following the procedure below.

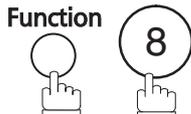
1



Set document(s) face up.

ENTER STATION(S)
THEN PRESS START

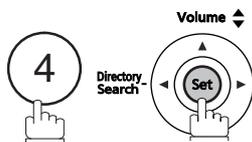
2



Function

SELECT MODE (1-9)
ENTER NO. OR √^

3



Directory Search

Volume

PASSWD-XMT?
OFF<>

4



for "OFF" (Password is not checked)

PASSWD-XMT?
OFF<>

or

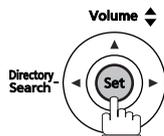


for "ON" (Password is checked)

PASSWD-XMT?
ON<>

or

5



Directory Search

Volume

ENTER STATION(S)
THEN PRESS START

6

Dial by any combination of the following methods:

- One-Touch Dialing
- Abbreviated Dialing
- Manual Number Dialing, press after each station is entered (Up to 10 stations)
- Directory Search Dialing, press after each station is entered (For details, see pages 50 to 52.)

Ex:



<01> (STN name)
5551234

7

Start



If your machine's Transmission Password coincides with the other station's Transmission Password, your machine starts sending the document.

When transmission is completed, PASSWORD-XMT returns to standard setting (“**OFF**” or “**ON**”).

Using Password Reception

There is no additional operation required once you set the parameter by following the procedure on page 125. The parameter, “**OFF**” or “**ON**”, cannot be selected for each reception. It is always “**OFF**” or “**ON**” until you change the setting.

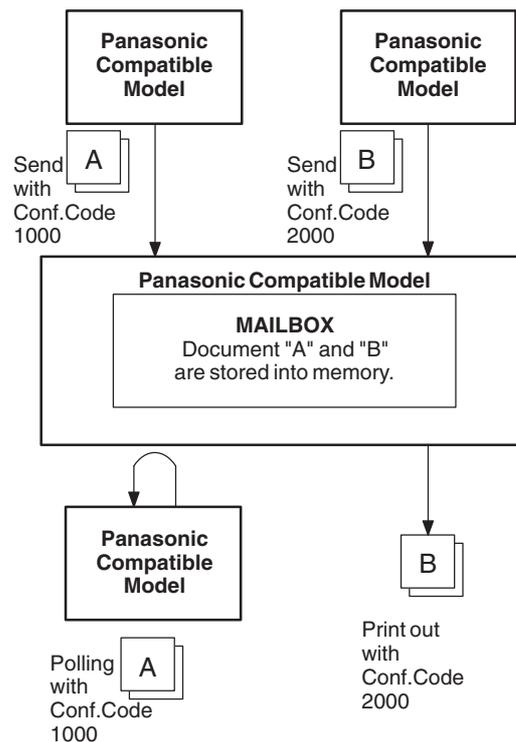
Confidential Mailbox

General Description

Your machine is equipped with two Confidential Communication features which ensure that the Confidential information you send is received only by the person with the correct confidential code.

Confidential Mailbox

The confidential mailbox feature can be used as a mailbox to communicate with other compatible models using a 4-digit confidential code. The Confidential Mailbox feature receives document(s) with a confidential code into memory. These documents can only be printed by the person who has the correct confidential code.



Compatibility with Other Machines

Table 1 shows a list of compatible Panafax models which have the Confidential Mailbox feature. It also shows whether or not special settings are required.

Table 1 : Confidential Mailbox Requirement

Compatible Model								Special Settings
DF-1100	DP-180	DP-190	DP-1810F	DP-1820P	DP-1820E	DP-2000	DP-2310	Not required.
DP-2320	DP-2330	DP-2500	DP-3000	DP-3010	DP-3020	DP-3030	DP-3510	
DP-3520	DP-3530	DP-4510	DP-4520	DP-4530	DP-6010	DP-6020	DP-6030	
DP-8016	DP-8020	DP-8025	DP-8032	DP-8060	DP-8045	DP-8035	DX-600	
DX-800	UF-280M	UF-312	UF-322	UF-332	UF-333	UF-342	UF-344	
UF-550	UF-560	UF-585	UF-590	UF-595	UF-733	UF-744	UF-745	
UF-755	UF-755e	UF-766	UF-770	UF-780	UF-788	UF-790	UF-880	
UF-885	UF-890	UF-895	UF-990	UF-4500	UF-5100	UF-5500	UF-6000	
UF-6100	UF-6200	UF-9000						

NOTE

1. If your machine receives two confidential faxes with same confidential code, both documents are stored together in the same confidential mailbox.
2. Up to 10 Mailbox files can be stored in memory. That means you can receive the confidential fax using 10 different confidential codes.
3. If the memory overflows, the machine will stop receiving and release the line.
4. If confidential faxes were received in the mailbox of UF-733, you cannot poll those documents. The UF-733 is designed to print out the received confidential document locally only.

Sending a Confidential Document to a Remote Station's Mailbox

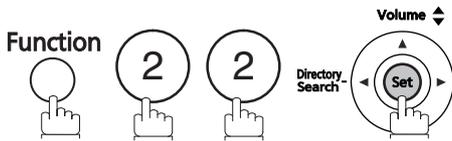
1



Set document(s) face up.

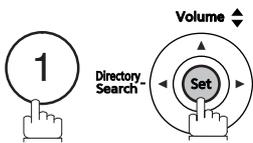
ENTER STATION(S)
THEN PRESS START

2



CONF. COMM. ?
ENTER NO. OR √∧

3



CONF. XMT
CONF. CODE=■■■■

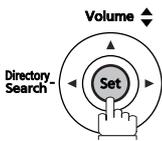
4

Enter a 4-digit Confidential Code.

Ex: ② ② ③ ③

CONF. XMT
CONF. CODE=2233

5



ENTER STATION
THEN PRESS START

6

Dial by any one of the following methods:

- One-Touch Dialing
- Abbreviated Dialing
- Manual Number Dialing
- Directory Search Dialing

Ex:



<01>(STN name)
5551234

7

Start



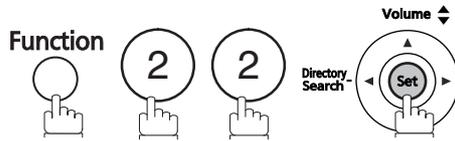
If necessary, inform the receiving person and provide the Confidential Code.

Confidential Mailbox

Polling a Confidential Document from a Remote Station's Mailbox

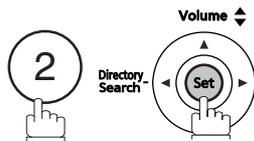
After you have been informed that someone has transmitted a confidential document to a remote station's mailbox, you can poll the confidential document from the remote station by following the procedure below.

1



```
CONF. COMM. ?
ENTER NO. OR V^
```

2



```
CONF. POLL
CONF. CODE=■■■■
```

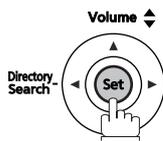
3

Enter a 4-digit Confidential Code.

Ex: (2) (2) (3) (3)

```
CONF. POLL
CONF. CODE=2233
```

4



```
ENTER STATION
THEN PRESS START
```

5

Dial by any one of the following methods:

- One-Touch Dialing
- Abbreviated Dialing
- Manual Number Dialing
- Directory Search Dialing

Ex:

```
<01>(STN name)
5551234
```

6



NOTE

1. The confidential file will be deleted automatically at the sending station after being polled.

Receiving a Confidential Document to Your Machine's Mailbox

No special settings are required, as your machine comes with this feature ready to use. Your machine receives a confidential fax the same way it receives a normal fax message. When receiving the confidential fax, the display shows the following message (CONF. RCV REPORT) and prints out the Confidential Receive Report.

MESSAGE IN M-BOX

Sample CONF. RCV Report

```

***** -CONF. RCV REPORT- ***** DATE MMM-dd-yyyy ***** TIME 15:00 *****
** NOTICE OF CONFIDENTIAL DOCUMENT HELD **

(1)      (2)      (3)      (4)
FILE NO. RECEIVED FROM      PAGES      TIME RECEIVED

040      PANAFAX      001      MMM-dd 15:00

                        -PANASONIC      -

***** -HEAD OFFICE - ***** 201 555 1212- *****
    
```

Explanation of Contents

- | | |
|----------------------------------|----------------------------|
| (1) File number | 001 to 999 |
| (2) Received remote station's ID | Character ID or Numeric ID |
| (3) Number of pages received | |
| (4) Received date and time | |

NOTE

1. If your machine receives two confidential faxes with the same confidential code, both documents are stored together in the same confidential mailbox.
2. Up to 10 Mailbox files can be stored in memory. So, you can receive the confidential fax using 10 different confidential codes.
3. If the memory overflows, the machine will stop receiving and release the line.
4. You can verify whether the unit has received a confidential fax by printing out the File List. (See page 86)

Confidential Mailbox

Storing a Confidential Document in Your Machine's Mailbox

Use the following procedure to store a document in a confidential mailbox in your machine. Once the confidential document is stored in your machine, it can be polled by another machine.

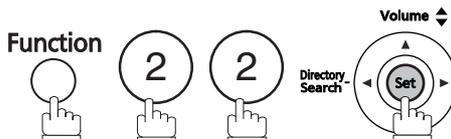
1



Set document(s) face up.

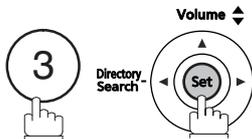
```
ENTER STATION(S)  
THEN PRESS START
```

2



```
CONF. COMM. ?  
ENTER NO. OR V^A
```

3



```
CONF. POLLED  
CONF. CODE=■■■■
```

4

Enter a 4-digit Confidential Code.

Ex: ② ② ③ ③

```
CONF. POLLED  
CONF. CODE=2233
```

5



The document(s) will be stored into memory.
If necessary, inform the receiving party of the confidential document and supply the confidential code needed to poll the document.

```
* STORE * NO.002  
PAGES=001 01%
```

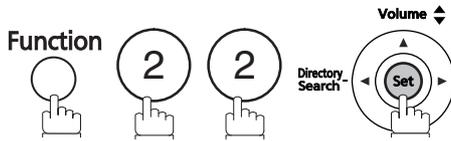
NOTE

1. The confidential file will be delete automatically after being polled.
If you wish to retain the confidential file even after being polled, change the setting of Fax Parameter No. 42 (CONF. POLLED FILE SAVE) to "VALID".

Printing Out a Confidential Document from Your Machine's Mailbox

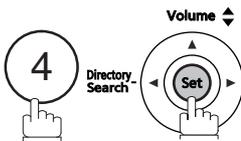
After you have been notified that someone has transmitted a confidential document to your machine's mailbox, use the following procedure to print out the confidential document.

1



```
CONF. COMM. ?
ENTER NO. OR V^
```

2



```
PRINT CONF. FILE
CONF. CODE=■■■■
```

3

Enter the Confidential Code of the document you want to print out.

Ex: (2) (2) (3) (3)

```
PRINT CONF. FILE
CONF. CODE=2233
```

4



```
* PRINTING *
PAGE=001/001
```

The machine will print out the confidential documents.

NOTE

1. The confidential file will be delete automatically after being printed out even if the setting of Fax Parameter No. 42 (CONF. POLLED FILE SAVE) is changed to "VALID".

Confidential Mailbox

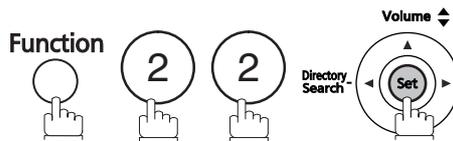
Deleting a Confidential Document Stored in Your Machine's Mailbox

If the machine's memory becomes full, or you just want to clean out your confidential documents, you may delete one or more confidential faxes stored in your machine by using the following procedure.

There are two types of confidential file deletions, one is to delete the file individually by its Confidential Code, and the other is to delete all confidential files in memory.

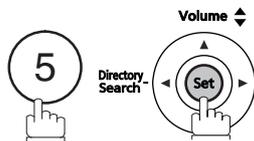
To delete a file using Confidential Code

1



```
CONF. COMM. ?
ENTER NO. OR v^
```

2



```
DEL. CONF. FILE
CONF. CODE=■■■■
```

3

Enter a 4-digit Confidential Code.

Ex: 2 2 3 3

```
DEL. CONF. FILE
CONF. CODE=2233
```

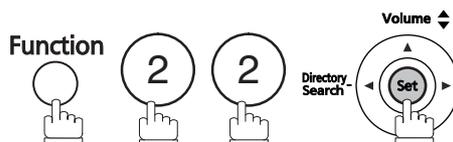
4



```
* DELETING *
CONF. CODE=2233
```

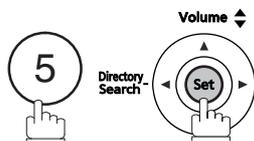
To delete all confidential files in memory

1



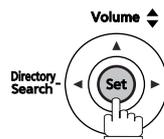
```
CONF. COMM. ?
ENTER NO. OR v^
```

2



```
DEL. CONF. FILE
CONF. CODE=■■■■
```

3



```
DELETE ALL CONF.
FILES?1:YES 2:NO
```

4



```
* DELETING *
ALL CONF. FILES
```

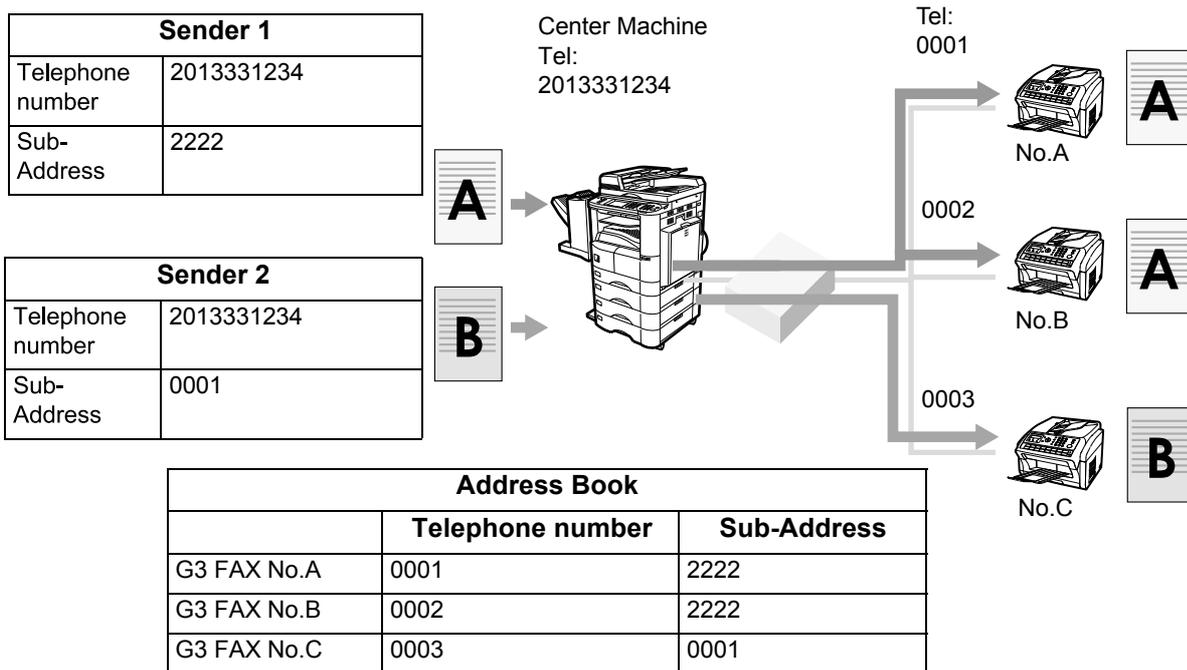
Sub-addressing

What is Sub-Addressing?

Sub-addressing is a T.30 communications protocol recommended by ITU-T.

- A center machine supporting the Memory feature is required on a fax network to implement sub-addressed communications. For more details, contact your local authorized Panasonic dealer.
- In a sub-addressed communication, the sub-addressing information must be checked between the sender and the receiver beforehand (sub-address is limited up to 20 digits).
- Sub-addressing allows documents received by the center machine to be forwarded to computers on the network, Internet fax, or other fax stations.

Example of a Network Using Sub-Addressing



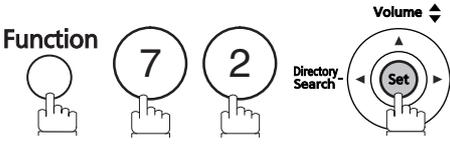
NOTE

1. ITU-T: International Telecommunication Union-Telecommunication Standardization Sector T.30: Telecommunications standard

Sub-addressing

To set the Sub-address into a One-Touch/ABBR. Dialing Numbers

1



Function 7 2

Volume ↑
↓
Directory Search ← Set →

1: ONE-TOUCH
 2: ABBR NO.

2



1 to select "One-Touch".

or



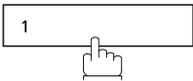
2 to select "ABBR.NO.".

Ex: ①

ONE-TOUCH< >
 PRESS ONE-TOUCH

3

Ex:



<01>
 ENTER TEL.#

4

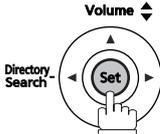
Enter the telephone number, press Flash/Sub-addr and then enter the Sub-address. (Up to 20 digits)
 (Up to 36 digits including telephone number, pauses, spaces, FLASH and Sub-address)
 Ex: Telephone number = 5551234, Sub-address =2762

Enter as: ⑤ ⑤ ⑤ ① ② ③ ④

Flash/Sub-addr ② ⑦ ⑥ ②

<01>
 5551234s2762█

5

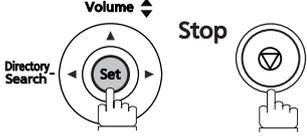


Volume ↑
↓
Directory Search ← Set →

Enter the station name. (See page 32)
 Ex: SALES DEPT

<01> SALES DEPT█
 5551234s2762

6



Volume ↑
↓
Directory Search ← Set →

Stop

NOTE

1. Flash/Sub-addr separates the Sub-address from the Telephone number and is indicated by an "s" in the display.

To send a Document with Sub-address

Using One-Touch/ABBR. Number Dialing

The operation is the same as normal dialing

1

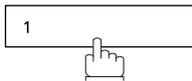


Set document(s) face up.

```
ENTER STATION(S)
THEN PRESS START
```

2

Ex:



```
<01>(STN name)
5551234s2762
```

3

Start



```
* STORE * NO.001
PAGES=001 01%
```

The document is stored into the memory and your machine starts to dial the number of the station and sends the document(s) with Sub-addressing information.

Using Manual Number Dialing

Use `Flash/Sub-addr` to separate the Telephone number and the Sub-address.

1



Set document(s) face up.

```
ENTER STATION(S)
THEN PRESS START
```

2

Enter the telephone number, press `Flash/Sub-addr` and then enter the Sub-address (up to 20 digits).

(Up to 36 digits including telephone number, pauses, spaces, FLASH and the Sub-address)

Ex: Telephone number = 5551234, Sub-address =2762

Enter as: (5) (5) (5) (1) (2) (3) (4)

`Flash/Sub-addr` (2) (7) (6) (2)

```
TEL. NO.
5551234s2762■
```

3

Start



```
* STORE * NO.001
PAGES=001 01%
```

The document is stored into the memory and your machine starts to dial the number of the station and sends the document(s) with the Sub-addressing information.

NOTE

1. `Flash/Sub-addr` separates the Sub-address from the Telephone number and is indicated by an "s" in the display.
2. Manual Off-Hook or On-Hook Dialing cannot be used with the Sub-addressing Transmission.

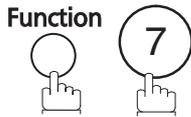
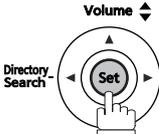
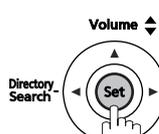
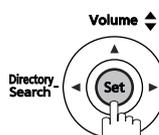
Setting the Network Parameters

Setting the User (Network) Parameters

For your machine to be able to operate on the Network properly, the following three (3) Basic Parameters must be pre-programmed into the machine. (For UF-5500 only)
 If DHCP server is available on your network, the IP Address, Subnet Mask and Default Gateway IP Address will be acquired automatically.

- IP Address
- Subnet Mask
- Default Gateway IP Address

If the DHCP Server is not available, change the setting of the Fax Parameter No. 169 (DHCP CLIENT) to "INVALID", and then enter the IP Address instead.

<p>1 Function</p> 	SET MODE (1-8) ENTER NO. OR √∧
<p>2</p> 	USER PARAMETERS? PRESS SET
<p>3</p> 	KEY OPERATOR ID ENTER ID=■
<p>4 Enter the Key Operator Password.</p>	KEY OPERATOR ID ENTER ID=*****
<p>5</p>  <p>repeatedly until display shows;</p>	IP ADDRESS ■
<p>6 Enter the IP Address using the keypad. Press * to enter the period ".". (See Note 2)</p> <p>Ex: (1) (2) (3) * (1) (7) (8) * (2) (4) (0) * (3)</p>	IP ADDRESS 123.178.240.3■
<p>7</p> 	SUBNET MASK ■

NOTE

1. To scroll the display to desired User Parameter in Step 5, press ▼ or ▲.
2. For convenience, you can use * to enter a period "." while programming IP Addresses only. Otherwise * is used to enter an asterisk under other conditions.

Setting the Network Parameters

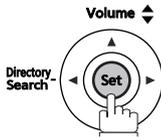
8

Enter the subnet mask using the keypad. Press ***** to enter the period ".".

Ex: ① ② ③ * ① ⑦ ⑧ * ② ④ ⑦ * ④

SUBNET MASK
123.178.240.4

9



DEF. GATEWAY IP
█

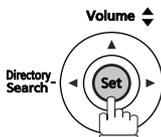
10

Enter the default gateway using the keypad. Press ***** to enter the period ".".

Ex: ① ② ③ * ① ⑦ ⑧ * ② ④ ⑦ * ⑤

DEF. GATEWAY IP
123.178.240.5

11



To continue setting other parameters, or press **Stop** to return to standby.

If you change the setting of this parameter, the machine will reboot automatically.

Setting the User Parameters for the LAN Interface

Depending on how your machine will be configured to communicate on the LAN, the appropriate parameters listed in the table below must be stored first.

Parameter	Comments
IP ADDRESS	IP Address assigned to your machine by the Network Administrator or the DHCP Server.
SUBNET MASK	Subnet Mask assigned by the Network Administrator or the DHCP Server.
DEFAULT GATEWAY IP ADDR	Default Gateway IP Address assigned by the Network Administrator or the DHCP Server.
REMOTE PASSWORD	This is a security password that allows Remote Programming of the Internet Parameters and Auto Dialer or the retrieval of the Journal via an Email. (Up to 10 characters)
LAN PC-FAX PASSWORD	A password that provides Network security for your Relay Station (used exclusively for G3 relay purposes).(Up to 10 characters)
COMMUNITY NAME (01) ~ (02)	Community Name used for the Network Device Locator.
DEVICE NAME	Device Name used for the Network Device Locator.
DEVICE LOCATION	Device Location for the Network Device Locator.

Installing the Printer Driver and Application Software

General Description

The Panasonic Document Management System enables the machine to carry out the following functions:

Available software

Interface		Description
USB	Network	
Printer Driver	Printer Driver	For printing files created in a Microsoft® Windows® application
Quick Image Navigator	Quick Image Navigator	For viewing, saving and editing scanned images
Document Scanner	Communications Utility	For scanning images and sending them to your computer
Panafax Desktop	Fax Driver	For sending, receiving fax documents using your computer
Status Monitor	Device Explorer (Device Monitor)	For confirming the setting information of the machine via a computer
Configuration Editor / PhoneBook Editor	Network Configuration Editor / AddressBook Editor	For programming the features using your computer / For storing, editing or erasing items in the phonebook using your computer
Panasonic Application Manager	Panasonic Application Manager	For updating the installed applications automatically / For changing Windows Firewall security settings
----	Job Status Utility	For notifying the status of printing documents and sending faxes
Port Selection Utility	----	For selecting the port (e.g. USB, LPT1) when connecting another machine to the same computer

This chapter describes installation of the software and basic procedures for printing, scanning and sending faxes using the application software. You can refer to the online help of each application for details of advanced features.

NOTE

1. When connecting the USB, you are not be allowed to use more than 2 units simultaneously. The following machines will not be allowed to be used simultaneously with connected machine.
 - UF-490, 590, 790, 890, 990
 - UF-4000, 4100, 6000, 6100
 - UF-6200, 6300

Installing the Printer Driver and Application Software

General Description

System requirements

Item	Requirements
Operating System	Windows 2000 (Service Pack 4 or later) Windows XP (32/64-bit) (Service Pack 2 or later) Windows Server® 2003 (32/64-bit) (Service Pack 1 or later) Windows Server® 2008 (32/64-bit) Windows Vista® (32/64-bit) Windows 7(32/64-bit)
Hardware	IBM® PC/AT® and compatibles CPU Intel® Pentium® 4 (1.6 GHz or more recommended)
RAM	Windows 2000: 256 MB or more Windows XP: 512 MB or more Windows Server 2003: 512 MB or more Windows Server 2008: 1 GB or more Windows Vista: 1 GB or more Windows 7: 1 GB or more
Other Hardware	CD-ROM drive Hard disk drive with at least 300 MB of available space USB interface LAN interface (10Base-T/100Base-TX)
Other	Internet Explorer® 6.0 (Service Pack 1 or later)

NOTE

1. (UF-5500 USB Connection Limitations)
64-bit Operating Systems (O/S) via a USB connection only supports printing.
64-bit O/S does not support Scanning and/or PC-Faxing via a USB connection.

Installing the Printer Driver and Application Software

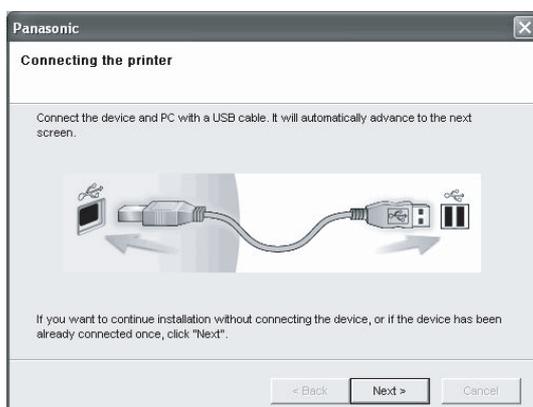
When Connecting using a USB Port

Do not connect the USB Cable until you reach the step 4.

- 1** Start Windows and make sure no other applications are running.
 - You must be logged in as an administrator in order to install the Panasonic Document Management System.
- 2** Insert the supplied CD-ROM into your CD-ROM drive.
 - The **[Panasonic Document Management System]** window appears.



- 3** Click **[Complete Install]** or **[Custom Install]** from **[USB Connection]** in the **[Install Software]** tab.
 - For **[Complete Install]**, go to the next step.
 - For **[Custom Install]**, select the desired software, then click **[Install]**.
 - In case of Windows Vista, Windows Server 2008 and Windows 7, the Windows Security screen is displayed after clicking **[Complete Install]**. Click **[Install this driver software anyway]**.
- 4** The **[Connecting the printer]** dialog box appears. Connect the machine to the computer with the USB cable.



Windows 2000

go to steps 5a and 6

Windows XP/Windows Server 2003

go to steps 5b and 6

Windows Vista/Windows Server 2008/Windows 7

go to step 6

Installing the Printer Driver and Application Software

When Connecting using a USB Port

5a Windows 2000

click **[Yes]**.

5b Windows XP/Windows Server 2003

1. Select **[No, not this time]**, and then click **[Next]**.
2. Select **[Install the software automatically (Recommended)]**, and then click **[Next]**.
3. If you have a previous version of the Printer Driver installed, select the latest version of the **[.inf]** file, and then click **[Next]**.
4. Click **[Continue Anyway]**.
5. Click **[Finish]**.

6 The **[License Agreement]** dialog box appears. Select **[I accept the terms of the license agreement]**, and click **[Next]**.

7 The **[Select Installation Folder]** dialog box appears. Confirm the destination of the installation folder, and click **[Next]**.

- To install to a different folder, click **[Browse]** and select the desired folder.

8 The **[Select Data Folder]** dialog box appears. Confirm the destination of the data folder, and click **[Next]**.

- To install to a different folder, click **[Browse]** and select the desired folder.

9 The **[Select Printer Driver]** dialog box appears. Select **[Panasonic UF-5500]**, and click **[Next]**.

10 The **[Select Panafax Desktop Setup Type]** dialog box appears. Select **[Standalone/Server]** or **[Client]**, and click **[Next]**.

- Consult your network administrator for proper selection.

11 The **[Ready to Install]** dialog box appears. Click **[Install]** to start the installation.

- The files will be copied to your computer.

Installing the Printer Driver and Application Software

When Connecting using a Network Port

- 1** Start Windows and make sure no other applications are running.
 - You must be logged in as an administrator in order to install the Panasonic Document Management System.
- 2** Insert the supplied CD-ROM into your CD-ROM drive.
 - The **[Panasonic Document Management System]** window appears.



- 3** Click **[Complete Install]** or **[Custom Install]** from **[Network Connection]** in the **[Install Software]** tab.
 - For **[Complete Install]**, go to the next step.
 - For **[Custom Install]**, select the desired software, then click **[Install]**.
- 4** The **[License Agreement]** dialog box appears. Select **[I accept the terms of the license agreement]**, and click **[Next]**.
- 5** The **[Select Installation Folder]** dialog box appears. Confirm the destination of the installation folder, and click **[Next]**.
 - To install to a different folder, click **[Browse]** and select the desired folder.
- 6** The **[Select Data Folder]** dialog box appears. Confirm the destination of the data folder, and click **[Next]**.
 - To install to a different folder, click **[Browse]** and select the desired folder.
- 7** The **[Select Printer Device]** dialog box appears. Select the name of your machine in **[Network Printer Device]**, and click **[Next]**.
- 8** The **[Select Printer Driver]** dialog box appears. Select **[Panasonic UF-5500]**, and click **[Next]**.
- 9** The **[Select Fax Device]** dialog box appears. Select the name of your machine in **[Network Fax Device]**, and click **[Next]**.

Installing the Printer Driver and Application Software

When Connecting using a Network Port

- 10** The **[Communications Utility]** dialog box appears. Select the checkbox if you want to register the **[Communications Utility]** on the startup menu of Windows, and click **[Next]**.
- If the **[Windows Firewall Setting Tool]** dialog box appears after this step, select the proper selection. Consult your network administrator if necessary, and click **[Next]**.

- 11** The **[Ready to Install]** dialog box appears. Click **[Install]** to start the installation.
- The files will be copied to your computer.

NOTE

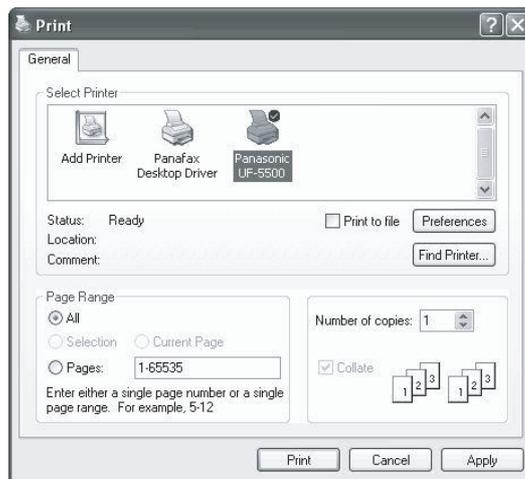
1. If the name of your machine is not displayed in the **[Select Printer Device]** or the **[Select Fax Device]** dialog box, check **[IP Address]** and enter the IP address manually.
2. When the "Microsoft® .NET Framework 2.0" is not installed in your PC, installation will be interrupted, and the necessary folder ("Tools\Dotnet" on the CD-ROM) will open automatically and display a message. Install the displayed software in accordance with the contents of the message.
Windows 2000 Service Pack 4 and Security update for Windows 2000 (KB835732) are required.
Install KB835732 from Microsoft download site before installing "Microsoft .NET Framework 2.0".

Using the machine as a Printer

Printing from Windows Applications

You can print from a Windows application. For example, to print from WordPad using Windows XP, proceed as follows:

- 1 Open the document you want to print.
- 2 Select **[Print...]** from the **[File]** menu.
 - The **[Print]** dialog box will appear. For details about the **[Print]** dialog box, click **[?]**, then click the desired item.



- 3 Select the machine by name to be the active printer.
- 4 To change the printer settings, click **[Preferences]** and change the printer settings.
- 5 Click **[Print]**.
 - The unit will start printing.

Using the machine as a Scanner

Scanning from Your Computer (USB Connection)

Document Scanner includes a TWAIN compliant scanner driver. The following is an example scanning procedures:

1



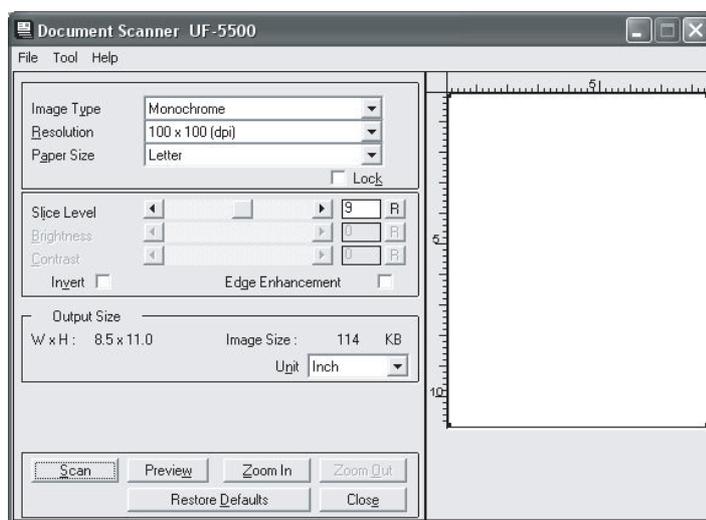
Set the document(s) face up.

2

Start an application that supports TWAIN scanning such as Adobe Photoshop®.

3

Select **[Acquire Image...]** from the **[File]** menu.
• The **[Document Scanner]** window appears.



4

If necessary, change the scanning settings on your computer.

- To preview the scanned image, click **[Preview]**. To zoom the previewed image, click **[Zoom In]** or **[Zoom Out]**.

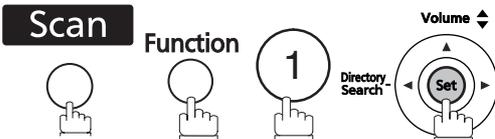
5

Click **[Scan]**.

- The scanned image will be displayed in the application window after scanning.

Using the machine as a Scanner

Setting the Scanner Parameters

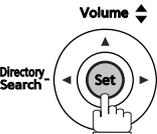
- 

1

Scan Function 1 Directory Search Volume

SET MODE (1-1)
ENTER NO. OR V^
- 

2

SCAN PARAMETERS?
PRESS SET
- 

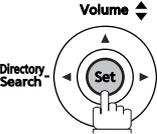
3

SCAN PARAM. (0-9)
ENTER NO. OR V^
- 4

Enter scanner Parameter number from the Parameter Table.
Ex: ③ for RESOLUTION

RESOLUTION?
100dpi<>
- 5

Enter the new setting value or press ◀ ▶.
Ex: ② for 200 dpi

RESOLUTION?
200dpi<>
- 

6

FILE TYPE/NAME?
TIFF/JPEG<>

To set another parameter, press to return to step 4
or press to return to standby.

Using the machine as a Scanner

Scanner Parameter Table

General User Mode

No.	Parameter	Setting Number	Setting	Comments
00	SCANNER SETTINGS	(----	(----	Printing the scan settings.
02	COMPRESSION	1	MH	Setting the compression mode.
		2	MR	
		3	MMR	
03	RESOLUTION	1	100dpi	Setting the resolution.
		2	200dpi	
		3	300dpi	
		4	600dpi	
		5	HALFTONE(100dpi)	
		6	HALFTONE(200dpi)	
		7	HALFTONE(300dpi)	
		8	HALFTONE(600dpi)	
05	FILE TYPE/NAME	1	TIFF/JPEG	Setting the file format to save scanned images. TIFF/JPEG : You can save the images in TIFF format if the original is in black & white and can save in JPEG format if the original is in grayscale or color. PDF : You can save the images in PDF format.
		2	PDF	
07	ORIGINAL SIZE	(----	A4	Setting the original size of the document.
		(----	LETTER	
		(----	LEGAL	
09	KEY OPERATOR MODE	(----	(----	Enter the key operator password. (See page 30)

Key Operator Mode

No.	Parameter	Setting Number	Setting	Comments
01	ABBR GROUP ID	0-99	0-99	Setting the abbr group ID.

Using the machine as a Scanner

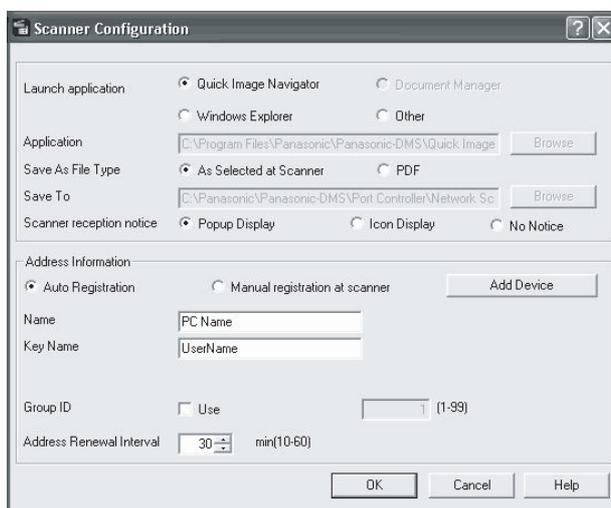
Scanning from Your Machine (Network Connection)

Registering your PC address to Your Machine

- 1 Right-click the **[Panasonic Communications Utility]** icon (①) from the task tray.



- 2 Select **[Scanner Configuration]**.
 - The **[Scanner Configuration]** window appears.



- 3 Select **[Auto Registration]**, and enter the name of the directory, etc.

- 4 Click **[OK]**.

NOTE

1. Register the address information with "Auto Registration" as you cannot use "Manual registration at the scanner".

Scanning from Your Machine (Network Connection)

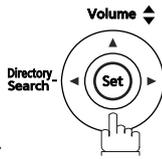
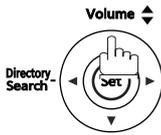
Scan to Your computer

1

Scan



2



or repeatedly to change the original document size.

- The default document size is set to LETTER.

3



Set the document(s) face up.

4

Select the desired Scanning setting.

To select Scanning Resolution, press repeatedly.

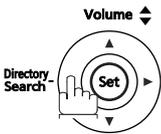
Select the scanning contrast, press repeatedly.

5

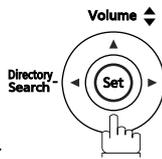
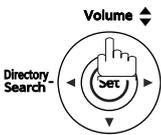
COLOR Scanning



6



7



or repeatedly to select the destination (See

Note 1).

8

Start



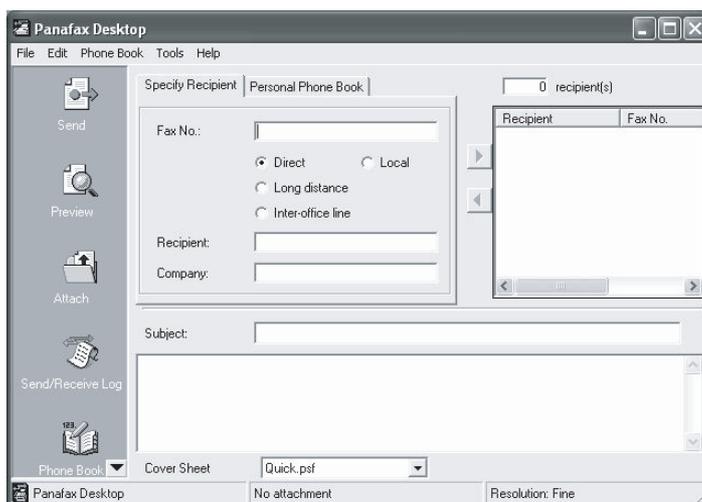
NOTE

1. You can also search the desired destinations by using the Character keys. Enter the full destination name or part of the destination name, and then press .

Using the machine as a PC Fax

Sending Documents from Your PC (USB Connection)

- 1 Open the document(s) you want to send as a fax.
- 2 Select **[Print...]** from the **[File]** menu.
 - The **[Print]** dialog box appears.
- 3 Select **[Panafax Desktop Driver]** as the active printer, and click **[OK]**.
 - **[Panafax Desktop]** window appears.



- You can preview the fax document(s) and select the template of header information by clicking **[Preview]** on the left column list.

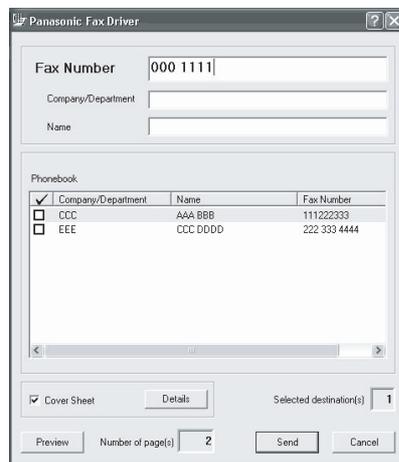
- 4 Enter the fax number.
- 5 Click **[Send]** icon on the left column list.
 - If a confirmation dialog box appears, check the setting again and click **[OK]**.

NOTE

1. For detail instructions about Panafax Desktop, select **[Help]** and see the online help.
2. When sending documents, check to confirm if the external telephone is not in use. (Communication will be hang up to sending documents when the external telephone is in use.)
3. When the external telephone is in use, do not click the **[Send]** icon. (Communication will be hang up to click the **[Send]** icon when the external telephone is in use.)

Sending Documents from Your PC (Network Connection)

- 1 Open the document(s) you want to send as a fax.
- 2 Select **[Print...]** from the **[File]** menu.
- 3 Select **[Panasonic Fax Driver]** as the active printer, and click **[OK]**.
 - The **[Panasonic Fax Driver]** dialog box appears.
 - You are requested to set up Relay XMT password which is the same as the LAN PC-FAX password (See page 139) at initial use of **[Panasonic Fax Driver]**.



- 4 Enter the fax number or select the checkbox from the phonebook list.
 - You can preview the fax document(s) and select the template of header information by clicking **[Preview]**.
- 5 Click **[Send]**.
 - A confirmation dialog box appears. Check the sending information again and click **[OK]**.

NOTE

1. For details about the **[Panasonic Fax Driver]** dialog box, click **[?]**, then click the desired item.
2. When sending documents, check to confirm if the external telephone is not in use. (Communication will be hang up to sending documents when the external telephone is in use.)
3. When the external telephone is in use, do not click the **[Send]** icon. (Communication will be hang up to click the **[Send]** icon when the external telephone is in use.)

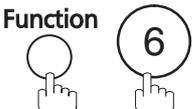
Journals and Lists

General Description

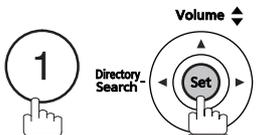
To help you maintain records of the documents you sent and received, as well as lists of the numbers you record, your facsimile machine can print the following journals and lists: Transaction Journal, Individual Transmission Journal, Communication Journal, One-Touch/Abbreviated/Directory Search No. List, Program List, Fax Parameter List, Directory Sheet and File List.

Transaction Journal

The "Journal" is a record of the last 32 transactions. (A transaction is recorded each time you send or receive a document). It is printed out automatically after every 32 transactions (See Note 1) or you can print or view it manually by using the following procedure:

1 **Function** 

PRINT OUT (1-6)
 ENTER NO. OR V^

2 

JOURNAL
 1:PRINT 2:VIEW

3a ① To print a Journal
Machine will start to print the documents.

* PRINTING *
 JOURNAL

3b ② To view a Journal
Proceed to Step 4.

JOURNAL VIEW
 1:XMT ONLY 2:ALL

4 Select the viewing mode.

① to view transmission transactions only
 ② to view all transactions

USE V ^ KEYS
 SCROLL RECORD

Ex: ②

You can view the transactions in the journal by pressing

 or . Press to return to standby.

<p>Date & Time</p> <div style="border: 1px solid black; padding: 5px; text-align: center;"> 12/12 10:00 OK XMT ☎ 5551234 </div>	<p>CommunicationResult</p> <ul style="list-style-type: none"> OK : Communication was successful. P-OK : Reserved transmission was successful under memory full condition. R-OK : Confidential transmission was successful. BUSY : Line busy STOP : STOP was pressed. 3-digit Info Code : Communication has failed (Refer to page 170 for details.)
<p>Type of Communication</p> <ul style="list-style-type: none"> XMT : Transmission RCV : Reception POL : Polling PLD : Polled FWD : Fax Forward RMT : Remote Diagnostic/ Firmware Update 	<p>Received ID, Recorded name or the dialed telephone number</p>

NOTE

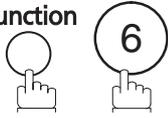
1. If you wish to disable the automatic print out of the Transaction Journal, change the setting of Fax Parameter No. 13 to "INVALID". (See page 38)

Individual Transmission Journal (IND. XMT JOURNAL)

An Individual Transmission Journal contains the information on the latest transmission.

1

Function



PRINT OUT (1-6)
ENTER NO. OR V^

2



IND. JOURNAL?
PRESS SET

3

Start



* PRINTING *
IND. JOURNAL

Journals and Lists

Individual Transmission Journal (IND. XMT JOURNAL)

Sample Transaction Journal

***** -JOURNAL- *****												
							(1)	(2)				
							DATE	MMM-dd-yyyy	*****	TIME	15:00	*****
(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)			
NO.	COMM.	PAGES	FILE	DURATION	X/R	IDENTIFICATION	DATE	TIME	DIAGNOSTIC			
01	OK	005/005	001	00:00:22	XMT	SERVICE DEPT.	MMM-dd	17:35	C0044903C0000000			
02	OK	003	002	00:01:17	RCV	111 222 333	MMM-dd	17:41	C0044903C00000000			
03	OK	001	003	00:00:31	XMT	ACCOUNTING DEPT.	MMM-dd	17:50	C0044903C00000000			
04	630	000/005	004	00:00:00	XMT	☎ 342345676	MMM-dd	17:57	0800420000000000			
05	STOP	000	005	00:00:34	XMT	☎ 12324567	MMM-dd	18:35	0210260200000000			
06	OK	001/001	006	00:00:20	XMT	☎ 44567345	MMM-dd	18:44	C8044B03C0000000			
07	408	*003	007	00:02:14	XMT	☎ 2345678	MMM-dd	18:55	0040440A30080000			
31	OK	002/002	050	00:00:31	XMT	☎ 0245674533	MMM-dd	08:35	C8044B03C1000000			
32	OK	003/003	051	00:01:32	XMT	☎ 0353678980	MMM-dd	08:57	C8044B03C1000000			
							(13)					
							-PANASONIC					
***** -HEAD OFFICE							(15)	- *****	201 555 1212-	*****		
									(14)			

Sample Individual Transmission Journal (IND. XMT JOURNAL)

***** -IND. XMT JOURNAL- *****												
							(1)	(2)				
							DATE	MMM-dd-yyyy	*****	TIME	15:00	*****
(10)	(11)	DATE/TIME		=		MMM-dd-yyyy	09:00					
(3)	JOURNAL No.		=		21							
(4)	COMM. RESULT		=		OK							
(5)	PAGE(S)		=		001/001							
(7)	DURATION		=		00:00:16							
(6)	FILE No.		=		010							
(16)	MODE		=		MEMORY TRANSMISSION							
(17)	DESTINATION		=		[001] / 555 1234 /ABCDEFG							
(18)	RECEIVED ID		=									
(19)	RESOLUTION		=		STD							
							(13)					
							-PANASONIC					
***** -HEAD OFFICE							(15)	- *****	201 555 1212-	*****		
									(14)			

Continued on the next page...

Explanation of Contents

- | | |
|---|--|
| (1) Printout date | |
| (2) Printout time | |
| (3) Journal number | |
| (4) Communication results | <p>"OK" indicates that the communication was successful.
 "BUSY" indicates that the communication has failed because of busy line.
 "STOP" indicates that STOP was pressed during communication.
 "M-OK" indicates that the substitute reception message in memory was not printed out.
 "P-OK" indicates that memory overflow or document misfeeding occurred while storing the documents into the memory for transmission but successfully stored document(s) was sent.
 "R-OK" indicates that the Confidential Communication was successful.
 "- -" indicates LAN transmission.
 "3-digit Info Code (See page 170) indicates that the communication has failed.
 The 3-digit number is the number of pages successfully transmitted or received. When the documents are stored into the memory, two 3-digit numbers will appear. The first 3-digit number represents the number of pages successfully transmitted. The second 3-digit number represents the total number of pages for which transmission was attempted.
 Asterisk "*" indicates that the quality of some received copies was poor.
 001 to 999 (If the communication is stored into the memory, a file number is assigned for each communication.)</p> |
| (5) Number of pages transmitted or received | |
| (6) File number | |
| (7) Duration of communication | |
| (8) Type of communication | <p>"XMT" means Transmission
 "RCV" means Reception
 "POL" means Polling
 "PLD" means Polled
 "FWD" means Fax Forward
 "RMT" means Remote Diagnostic/Firmware Update</p> |
| (9) Remote station identification | <p>Name : Recorded name in One-Touch or ABBR. Numbers or remote station's Character ID.
 ☎ number : Dialed telephone number
 Number : Remote station's ID number.</p> |
| (10) Communication date | |
| (11) Communication Start time | |
| (12) Diagnostic | <p>For service personnel only
 The 2-digit number is the number of final destinations.
 " STN(S) LAN" indicates LAN transmission.
 "(MDN) LAN" indicates LAN transmission with Delivery Notice.
 "(Comm. JNL) LAN" indicates LAN transmission for Communication Journal.</p> |
| (13) Own LOGO | Up to 25 characters |
| (14) Own ID number | Up to 20 digits |
| (15) Own Character ID | Up to 16 characters |
| (16) Type of communication | Transmission or memory transmission |
| (17) Destination | <p>If a One-Touch or ABBR was used for the transmission:
 One-Touch or ABBR. No./Telephone Number(Or Email address)/Recorded Name
 If not : Telephone number (Or Email address)</p> |
| (18) Received remote station's ID | Character ID or ID number |
| (19) Resolution | <p>"STD" means standard resolution
 "FINE" means fine resolution
 "S-FINE" means super fine resolution</p> |

Journals and Lists

Communication Journal (COMM. JOURNAL)

The Communication Journal (COMM. JOURNAL) lets you verify whether the transmission or polling was successful. You may select the printout condition (Off/Always/Inc. only) in Function 8-1 or Fax Parameter No. 12.

Sample COMM. JOURNAL

```

***** -COMM. JOURNAL- ***** DATE MMM-dd-yyyy ***** TIME 15:00 *****

(1)                                     (2)                                     (3)
MODE = MEMORY TRANSMISSION             START=MMM-dd 14:50             END=MMM-dd 15:00

FILE NO.= 050 (4)

(5)   (6)   (7)   (8)                                     (9)   (10)
STN   COMM. ONE-TOUCH/ STATION NAME/TEL NO.             PAGES  DURATION
NO.   ABBR NO.

001   OK    <01>     SERVICE DEPT.                    001/001  00:01:30
002   OK    <02>     SALES DEPT.                      001/001  00:01:25
003   407   <03>     ACCOUNTING DEPT.                 000/001  00:01:45
004   BUSY  ☎       021 111 1234                    000/001  00:00:00

                                     - PANASONIC -
***** - HEAD OFFICE - ***** - ***** - 201 555 1212 - *****

THE SLEREXE COMPANY LIMITED
SAPORS LANE . BOOLE . DORSET . BH 25 8 ER
TELEPHONE BOOLE (945 13) 51617 - TELEX 123456

Our Ref. 350/PJC/EAC                                     MMM-dd-yyyy

Dr. P.N. Cundall,
Mining Surveys Ltd
    
```

variations of print density can cause the photocell to generate an analogous electrical video signal. This signal is used to modulate a carrier, which is transmitted to a remote destination over a radio or cable communications link.

At the remote terminal, demodulation reconstructs the video signal, which is used to modulate the density of print produced by a printing device. This device is scanning in a raster scan synchronised with that at the transmitting terminal. As a result, a facsimile copy of the subject document is produced.

Probably you have uses for this facility in your organisation.

Yours sincerely,

Phil.

P.J. CROSS
Group Leader - Facsimile Research

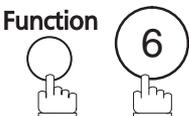
Explanation of Contents

- (1) Indication of communication mode
- (2) Start time of communication
- (3) End time of communication
- (4) File number
001 to 999 (When the communication is stored into the memory, a file number is assigned for each communication.)
- (5) Station number
Sequential number of the Stations.
- (6) Communication result
"OK" indicates that the communication was successful.
"BUSY" indicates that the communication has failed because of busy line.
"STOP" indicates that **STOP** was pressed during communication.
"M-OK" indicates that the substitute reception message in the memory was not printed out.
"P-OK" indicates that memory overflow or document misfeeding occurred while storing the documents into the memory for transmission but that successfully stored document(s) was sent.
"R-OK" indicates that the Confidential Communication was successful.
"3-digit Info Code" (See page 170) Information Codes indicates that the communication has failed. In this case, the machine will print out the attached report with first page of your document as shown on the previous page.
- (7) Abbreviated number or ☎ mark
☎ mark indicates dialed by direct number dial.
- (8) Recorded name in One-Touch, ABBR. or direct dialing number
- (9) Number of pages transmitted or received
The 3-digit number is the number of pages successfully transmitted or received. When the documents are stored into the memory, two 3-digit numbers will appear. The first 3-digit number represents the number of pages successfully transmitted. The second 3-digit number represents the total number of pages for which transmission was attempted.
- (10) Duration of Communication

Journals and Lists

One-Touch/Abbreviated and Directory Search List

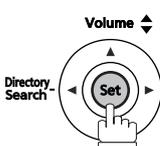
To print a One-Touch/Abbreviated Number and Directory Search List of the telephone numbers you have stored.

1 **Function** 

PRINT OUT (1-6)
ENTER NO. OR V^

2 

SPEED DIAL LIST?
PRESS SET

3 

1: ONE-TOUCH/ABBR
2: DIR. SEARCH

4  for One-Touch/ABBR. Number List

* PRINTING *
ONE-TOUCH/ABBR

 for Directory Search List

* PRINTING *
DIRECTORY SEARCH

Sample One-Touch List

```

***** -ONE-TOUCH LIST- ***** DATE MMM-dd-yyyy ***** TIME 15:00 *****

      (1)      (2)      (3)
ONE-TOUCH  STATION NAME  TELEPHONE NO.

<01>      SERVICE DEPT.  121 555 1234
<02>      SALES DEPT.    222 666 2345
<03>      ACCOUNTING DEPT 313 333 3456

NO. OF STATIONS = 03 (4)

                                     -PANASONIC          -
***** -HEAD OFFICE - ***** -          201 555 1212- *****
    
```

Sample ABBR. Number List

```

***** -ABBR NO. LIST- ***** DATE MMM-dd-yyyy ***** TIME 15:00 *****

      (1)      (2)      (3)
ABBR NO.  STATION NAME  TELEPHONE NO.

[001]     ENG. DEPT.    888 555 1234
[002]     PURCHASE DEPT. 999 666 2345
[003]     REGULATION DEPT 777 333 3456

NO. OF STATIONS = 003 (4)

                                     -PANASONIC          -
***** -HEAD OFFICE - ***** -          201 555 1212- *****
    
```

Explanation of Contents

- (1) One-Touch number or Abbreviated number : <nn>= One-Touch number, [nnn] = Abbreviated number
- (2) Station name recorded in the machine : Up to 15 characters
- (3) Telephone number recorded in the machine : Up to 36 digits
- (4) Number of recorded One-Touch and ABBR. numbers

Journals and Lists

One-Touch/Abbreviated and Directory Search List

Sample Directory Search List

```
***** -DIR. SEARCH LIST- ***** DATE MMM-dd-yyyy ***** TIME 15:00 *****

(5) (2) (1) (3)
      STATION NAME   ABBR NO. TELEPHONE NO.

[A] ACCOUNTING DEPT <03>      313 333 3456
[E] ENG. DEPT.         [001]      888 555 1234
[P] PURCHASE DEPT     [002]      555 666 2345
[R] REGULATION DEPT  [003]      777 333 3456
[S] SALES DEPT.       <01>      121 555 1234
      SERVICE DEPT    <02>      222 666 2345

      NO. OF STATIONS = 006 (4)

                                  -PANASONIC -

***** -HEAD OFFICE - ***** 201 555 1212 - *****
```

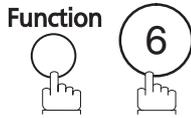
Explanation of Contents

- (1) One-Touch number or Abbreviated number : <nn>= One-Touch number, [nnn] = Abbreviated number
- (2) Station name recorded in the machine : Up to 15 characters
- (3) Telephone number recorded in the machine : Up to 36 digits
- (4) Number of recorded One-Touch and ABBR. numbers
- (5) The first letter of station name recorded in your machine

Program List

To print a Program List of the Dialing Patterns that you have previously entered into the Program Keys.

1



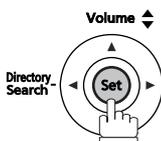
PRINT OUT (1-6)
ENTER NO. OR V^

2



PROGRAM LIST?
PRESS SET

3



* PRINTING *
PROGRAM LIST

Sample Program List

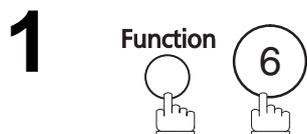
```
***** -PROGRAM LIST- ***** DATE MMM-dd-yyyy ***** TIME 15:00 *****
(1)      (2)      (3)      (4)      (5)
PROGRAM  PROGRAM NAME  TYPE      TIMER      ABBR NOS.
[P01]    TIMER XMT      XMT        12:00      [001]
[P02]    TIMER POLL     POLL        19:00      [002]
[P03]    PROG. A        POLL        -----    [001] [002]
                                                -PANASONIC -
***** -HEAD OFFICE - ***** 201 555 1212- *****
```

Explanation of Contents

- (1) Program key
- (2) Program name Up to 15 characters
- (3) Type of communication "XMT" indicates transmission.
"POLL" indicates polling.
"ABBR/GRP" indicates that the Program key is programmed as a group key.
"ONE-TOUCH" indicates that the Program key is programmed as a One-Touch key.
- (4) Timer Indicates the starting time.
"----" indicates that the Program key contains "non-deferred" program.
- (5) Numbers recorded in the program One-Touch/ABBR. numbers

Journals and Lists

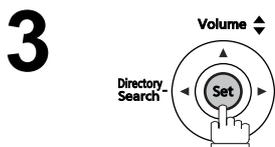
FAX Parameter List



PRINT OUT (1-6)
ENTER NO. OR √^



FAX PARAM. LIST?
PRESS SET



KEY OPERATOR ID
ENTER ID=

4 Enter the Key Operator Password (The factory default password is 00000000.) and press Set.

* PRINTING *
FAX PARAM. LIST

Sample FAX Parameter List

```

***** -FAX PARAMETER LIST- ***** DATE MMM-dd-yyyy ***** TIME 15:00 *****
(1)      (2)      (3)      (4)      (5)
PARAMETER  DESCRIPTION  SELECTION  CURRENT  STANDARD
NUMBER
(7)001    CONTRAST (HOME)  (1:Normal  2:Lighter  3:Darker)  1         1
* 002    RESOLUTION (HOME)  (1:Standard  2:Fine    3:S-Fine  4:Halftone)  1         1

099      MEMORY SIZE  (8MB) (6)

-PANASONIC
***** -HEAD OFFICE - ***** 201 555 1212- *****
    
```

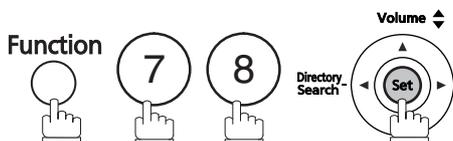
Explanation of Contents

- (1) Parameter number
- (2) Description : "(HOME)" means home position setting.
- (3) Selection
- (4) Current setting : "(-)" indicates code or password is not set. When the code or password is set, it is shown in parenthesis.
- (5) Standard setting : Factory preset standard setting
- (6) Memory size
- (7) Changed setting : "*" indicates that the Factory preset setting was changed.

Toner/Drum Cartridge Order Forms

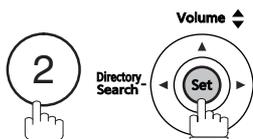
To print the Toner or Drum Cartridge Order Forms

1



MAINTENANCE (2-2)
ENTER NO. OR V^

2



SUPPLY FORMS?
1:TONER 2:DRUM

3



for Toner Order Form

or



for Drum Order Form

* PRINTING *
TONER ORDER FORM

or

* PRINTING *
DRUM ORDER FORM

Sample Toner Cartridge Order Form

> TONER CARTRIDGE ORDER FORM <

**** The toner supply in your machine is running low ****
To order a replacement Cartridge from your Authorized Dealer

by Phone:
by Fax:

Thank you for your order.

Customer Name and Address

=====

Ship to: _____

Bill to: _____

Attention: _____

Attention: _____

Phone No.: _____

Phone No.: _____

Customer ID: _____

P.O. No.(if required): _____

Toner Cartridge: UG-5591

Serial No.:

Print your name and title

_____/_____/_____
Signature & Date

Troubleshooting

Troubleshooting

If You Have Any of These Problems

Mode	Symptom	Cause / Action	page
During Transmission	Document doesn't feed/multiple feed	<ol style="list-style-type: none"> 1. Check that your document is free of staples and paper clips, and that it is not greasy or torn. 2. Check that your document is the right type to send through a fax machine by consulting the list on "Documents You Cannot Send". If your document has the characteristics listed, make a photocopy of your document and send the copy instead. 3. Check that the document is loaded properly. 4. Adjust the ADF Pressure. 	44 45
	Document jam	The information code 030 or 031 will appear on the display if the document becomes jammed.	174
Transmission Copy Quality	Vertical lines on the transmitted document	Check own copy quality. If copy is OK, your machine has no problem, so report to the receiving party that they have a problem. If copy is NG, clean the Document Scanning Area.	176
	Transmitted document is blank	<ol style="list-style-type: none"> 1. Make sure the document is set face up. 2. Check own copy quality. If copy is OK, your machine has no problem, so report to the receiving party that they have a problem. If copy is NG, clean the Document Scanning Area. 	176
During Reception	No recording paper, or recording paper doesn't advance into the machine.	The information code 001 will appear when there is no recording paper in cassette, or recording paper feed error occurs.	23 173
	Recording paper jam	The information code 001 or 007 will appear on the display if the paper jams.	173
	Recording paper doesn't eject after printing	Check to see if the recording paper is jammed inside of the machine.	173
	Document auto reduction doesn't work	Check Print Reduction settings.	72
	Out of toner	The information code 041 will appear on the display if the Toner Cartridge runs out of toner.	20
Print Copy Quality	Vertical lines printing on the received document	Print out a Journal report (Ex: FUNCTION, 6, 1, SET and 1) and check quality to make sure whether your machine has trouble. If Journal report quality is OK, your machine has no problem, report to the sending party that they have a problem. If copy is NG, replace the Toner Cartridge.	154
	Fuzzy print	<ol style="list-style-type: none"> 1. Make sure you are using the correct paper for the best possible print quality. 2. Try reversing the recording paper to the other side. 	180
	Missing dots or lines/ inconsistent darkness within print	<ol style="list-style-type: none"> 1. Make sure you are using the correct paper for the best possible print quality. 2. Replace the Toner Cartridge. 	20 180
	Fading print	Your Toner Cartridge may be running out of toner. Replace the Toner Cartridge.	20
	Faint print	You may need to choose a different paper type for the best possible print quality.	180

Troubleshooting

Mode	Symptom	Cause / Action	page
Communication	No dial tone	1. Check the connection of the telephone line. 2. Check the telephone line.	177
	No auto answer	1. Check the connection of the telephone line. 2. Check the Reception mode setting. 3. If the Fax Parameter No. 13 (AUTO JRNL PRINT) is set to "VALID" (Default setting) and the machine is printing the received document from memory, which also happens to be the 32nd transaction, the machine will not auto answer until the Transaction Journal completes printing.	66 177
	Cannot transmit or receive	An information code will be shown on the display. Refer to the information code table to find out the trouble.	170
No Unit Operation	No unit operation	To reset the machine, unplug the Power Cord for a few seconds then plug it in again.	19

Troubleshooting

Troubleshooting

Mode	Symptom	Cause / Action	page
TAM Interface Trouble in Unattended TAM I/F Mode (OUT Mode)	Cannot utilize the remote turn-on feature of the telephone answering machine (TAM). The fax machine always answers after the 8th ring.	This feature is not compatible. The fax machine is designed to answer after 8 rings if the TAM does not answer.	--
	Fax machine will not start up when the telephone answering machine is set to give only an outgoing message (OGM).	TAM that gives outgoing announcement only is not compatible. The fax machine will work with a TAM that will record Incoming message (ICM).	--
	A beep...beep sound is recorded on the telephone answering machine.	Speak a little slower between each word while recording an outgoing message (OGM).	--
	Fax machine starts up in the middle of the outgoing message even though the caller wants to leave a voice message.	Make sure the outgoing message (OGM) does not have a silent pause longer than 5 seconds.	--
	Cannot receive from a machine that does not send CNG signal (a short beep tone every 3 seconds) after dialing.	Instruct the calling party to press * twice on their touch-tone phone during the OGM to start up your fax machine remotely.	--
	Cannot receive a fax message, but can record voice message.	Check your outgoing message, if it is too long, the calling fax machine may have timed out. Try shortening your outgoing message to less than 15 seconds, or ask the calling party to program your telephone number in their fax machine with 3 pauses and a "#" at the end. (Ex: 5551212 PAUSE PAUSE PAUSE #)	--

Troubleshooting

Mode	Symptom	Cause / Action	page
TAM Interface Trouble In Unattended Fax Mode (OUT Mode)	Fax machine will not start to receive with the telephone answering machine in the auto-answer mode.	Increase the ring count for detection on the telephone answering machine.	--

Troubleshooting

Information Codes

When something unusual occurs, the display may show one of the Information Codes listed below. These will help you to identify and correct the problem.

Info. Code	Meaning	Action	page
001	No recording paper in the cassette. Recording paper doesn't advance into the machine.	Load the recording paper. Remove the jammed paper.	23 173
007	Recording paper did not completely exit from machine.	Remove the Toner Cartridge and remove the jammed paper.	173
012	The received data overflows from the maximum paper size of the paper feeding direction.	Check with the other party.	--
021	The fixing temperature does not rise up even if the heating circuit is "ON".	Contact the authorized Panasonic dealer.	--
	The temperature of fuser exceeds upper limit of controllable temperature.	Contact the authorized Panasonic dealer.	--
	The cooling fan in the unit does not rotate.	Contact the authorized Panasonic dealer.	--
030	Document is misfeeding.	1. Reload the document properly. 2. Remove the document jam. 3. Adjust ADF.	45 174
031	Document paper is too long or jammed. Document length exceeds 2 meters.	1. Reload the document properly. 2. Remove the document jam.	45 174
041	Out of toner.	Replace the Toner Cartridge.	20
043	Toner is getting low.		
045	Drum Cartridge is not installed.	Install the Drum Cartridge.	20
051	There is something wrong with DC motor.	Contact the authorized Panasonic dealer.	--
054	The polygon motor does not become stable within the specified time when the polygon motor is "ON". The behavior of polygon motor rotation become unturned on the way.	Contact the authorized Panasonic dealer.	--
060	Printer Cover is open.	Close the Printer Cover.	--
061	ADF Door is open.	Close the ADF Door.	--
068	Rear Cover is open.	Close the Rear Cover.	--
090	Malfunction of high voltage unit.	Contact the authorized Panasonic dealer.	--
091	Cooling down the fuser unit.	Wait a minute.	--
092	The drum cartridge is reaching the end of its life.	Replace the drum cartridge as soon as possible.	20
093	The unit is operated under the low-temperature environment which is not covered under warranty.	Use the unit in a warmer area.	--
094	Malfunction of drum cartridge.	Replace the drum cartridge.	20
400	During initial handshake, receiving station did not respond or communication error occurred.	1. Check with the other party. 2. Reload the document and send again.	--
401	Remote station required a Receiving Password to receive the document. Remote station does not have Confidential Mailbox. Remote station requires the sending unit's ID Number. (Fax Telephone Number)	Check the remote station. Program your ID Number (Fax Telephone Number).	29
402	During initial handshake, communication error occurred.	Reload the document and send again.	--
403	No polling capability at the remote side.	Ask remote side to set "POLLED=ON".	--

Info. Code	Meaning	Action	page
404/405	During initial handshake, communication error occurred.	Reload the document and send again.	--
406	Transmission Password does not match. Receiving Password does not match. Received from an unauthorized station in Selective Reception mode.	Check the password or the telephone number in One-Touch or Abbreviated station.	122 124 125
407	No confirmation from the receiving station for the previous page sent.	Wait a few minutes and send again.	--
408/409	Remote side confirmation of previous page is illegible.	Wait a few minutes and send again.	--
410	Communication aborted by the transmitting side.	Check with the other party.	--
411	Polling password does not match.	Check the polling password.	78
412	No data from the transmitting side.	Check with the other party.	--
414	Polling password does not match.	Check the polling password.	78
415	Polling transmission error.	Check the polling password.	78
416/417	Received data has too many errors.	Check with the other party.	--
420/421	Machine goes to receiving mode, but receives no command from the transmitting side.	1. Remote side misdial. 2. Check with the other party.	--
422/427	Interface is incompatible.	Check with the other party.	--
434	Communication error occurred while receiving.	Check with the other party.	--
436/456 490	Received data has too many errors.	Check with the other party.	--
494	Communication error occurred while receiving.	Check with the other party.	--
495	Telephone line disconnected.	Check with the other party.	--
501/502 503	Communication error occurred using the internal V.34 Modem.	Check with the other party.	--
504	Polling is rejected due to no polling data.	Check with the other party.	--
505	Polling is rejected due to password error.	1. Check the polling password. 2. Check with the other party.	--
540/541 542/543 544	Communication error occurred while transmitting.	1. Reload the document and send again. 2. Check with the other party.	--
550	Telephone line disconnected.	Check with the other party.	--
554	Communication error occurred while receiving.	Check with the other party.	--
580	Sub-address transmission to a unit that has no Sub-address function.	Check the remote station.	135
623	No document loaded on the ADF.	Reload the document and send again.	--
630	Redial was not successful due to a busy line.	Reload the document and send again.	--
631	During dialing, STOP was pressed.	Reload the document and send again.	--
634	Redial was not successful due to no response from the called station or wrong number dialed. Note: If busy tone was not detected, the machine will only redial once.	Check the telephone number and send again.	--
638	Power failure occurred during the communication.	Check the power cord and plug.	19

Troubleshooting

Information Codes

Info. Code	Meaning	Action	page
722	Failed to obtain the Network Parameters (Such as: IP Address, Subnet Mask, Default Gateway IP Address, etc.) from the DHCP server.	1. Check the LAN Cable connection. 2. Contact your Network Administrator and verify whether the DHCP is available on your network. If it is not, change the Fax Parameter No. 169 (DHCP CLIENT) to "INVALID" and set the other Network Parameters manually (See page 138).	--
731	The dialer buffer for manual dialing was full (10 stations) when the PC-FAX Request was received.	Request the originator to re-send the PC-FAX Request after the reserved communication is finished.	--
741	Dialing was not successful due to missing of the telephone number. Occurs when deleting the telephone number of reserved One-Touch/Abbreviated dialing numbers with program keys.	Check the telephone number.	--
800/816 825	Unit was requested to relay a document or Confidential Communication but has no capability.	Check with the other party.	--
815	Mailbox is full.	Install Optional Flash Memory Card.	--
870	Memory overflow occurred while storing documents into memory for transmission.	Transmit documents without storing into memory.	57

NOTE

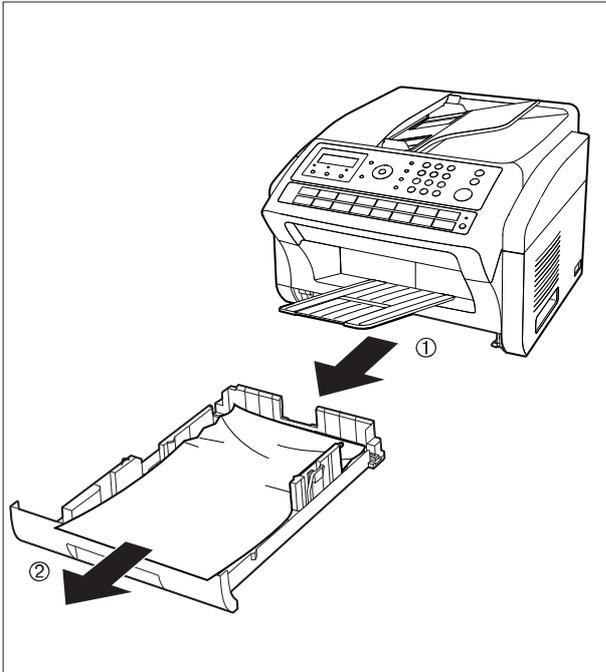
1. After identifying the problem and verifying the recommended action, if the information Codes keep reoccurring or if you need help on Information Codes that appear on your machine but are not listed above, please contact the Panasonic Technical Support Hotline.

Clearing a Recording Paper Jam

If the recording paper doesn't advance into the machine, or there is no recording paper, Information Code 001 will show on the display. If a recording paper jam occurs, Information Code 007 will show on the display.

To Clear the Information Code 001

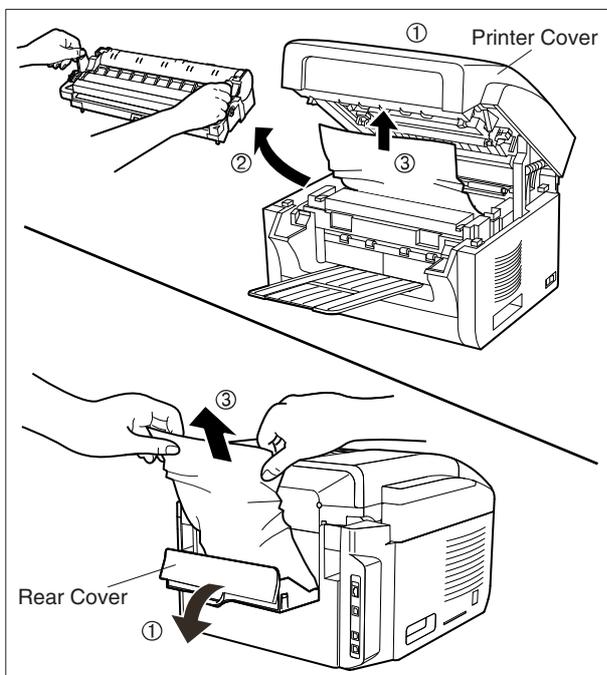
1



- (1) Slide out and remove the paper cassette.
- (2) If there is no recording paper, refill the paper cassette with recording paper. If jammed or wrinkled paper is found, remove it, then reload the recording paper into the paper cassette.
- (3) Reinstall the paper cassette back into the machine.

To clear the Information Code 007

2



- (1) Open the Cover.
- (2) Remove the Toner and Drum Cartridge.
- (3) Remove the jammed paper.

Note: 1 If at all possible, try removing the jammed paper from inside of the unit first (as shown in the upper figure) to prevent toner that has not been fused on the paper from rubbing off and dirtying the Fuser Roller.

- 2 To remove the jammed paper from the Rear Cover as shown in the lower figure, remove the Recording Paper Tray Assembly first and gently pull the jammed paper straight out, taking care not to tear it.

NOTE

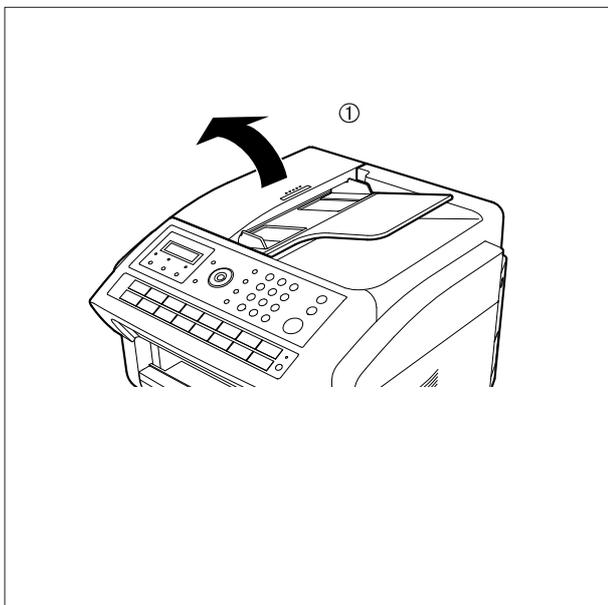
1. The Recording Paper Jam message display is reset only by opening and closing the Printer Cover.

Troubleshooting

Clearing a Document Jam

If a document becomes jammed in the machine, the display will show the Information Code 030 or 031.

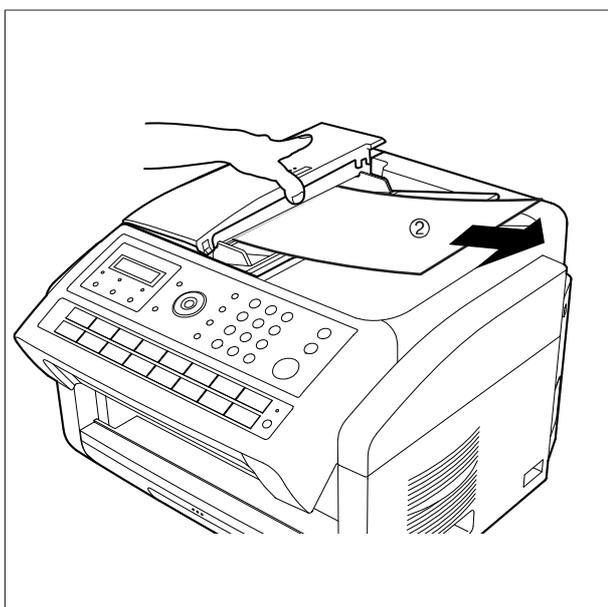
1



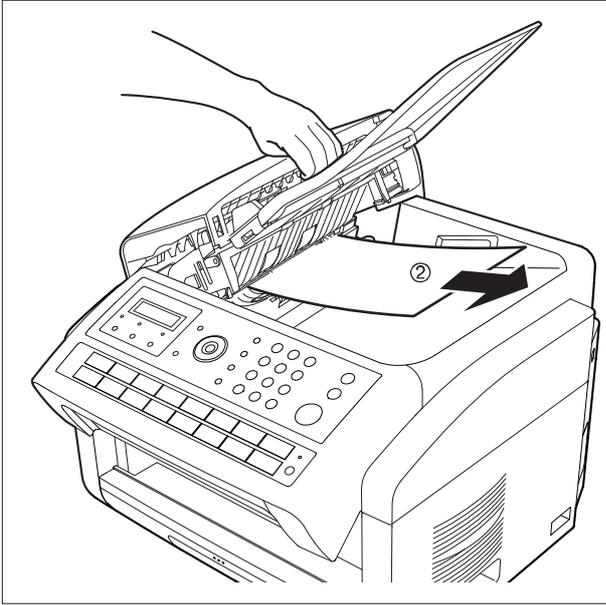
(1) Open the ADF Door.

(2) Remove the jammed document.

2 To clear the jam, Info. Code 030



To clear the jam, Info. Code 031



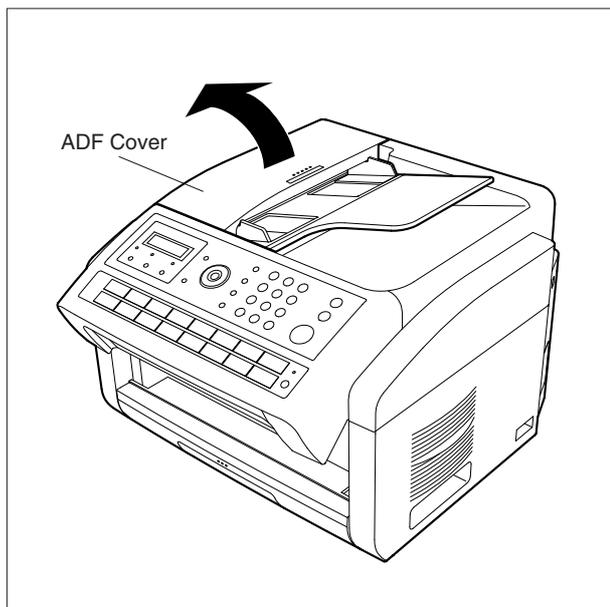
Troubleshooting

Cleaning the Document Scanning Area

If the receiving party reports that the received documents were black or contained black lines, try making a copy on your unit to verify. If the copy is black or has black lines, the document Scanning Area is probably dirty and must be cleaned.

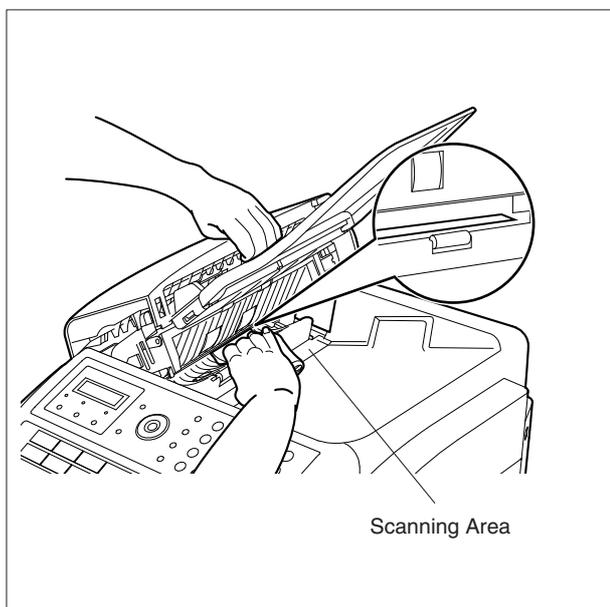
To clean the Scanning Area

1



Open the ADF Cover.

2

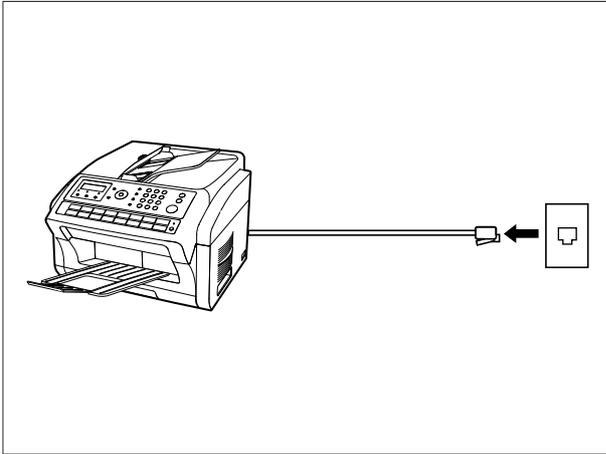


Wipe the Scanning Area gently with a soft cloth gauze moistened with ethyl alcohol. Be sure to use a clean cloth as the scanning area can be easily scratched.

Checking the Telephone Line

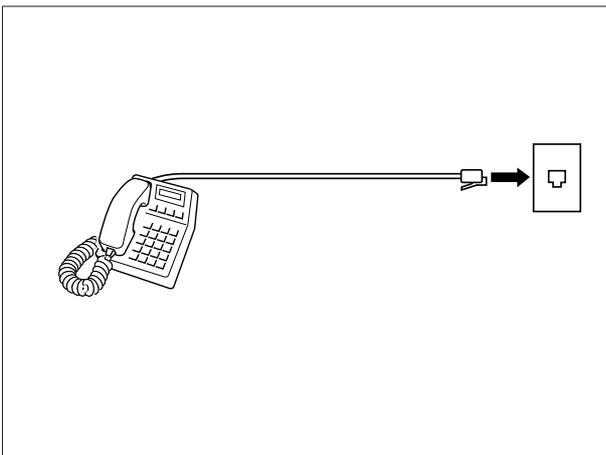
If you do not hear a dial tone through the telephone connected to the machine or if the telephone does not ring (No automatic receive).

1



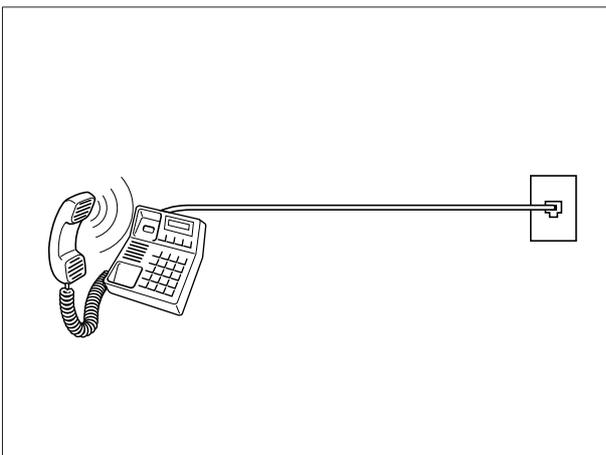
Unplug the Telephone Line Cable from the telephone jack that was supplied by the telephone company.

2



Plug a different regular telephone into the same telephone jack.

3



Check for dial tone through the handset. If there is still no dial tone, report the problem to your local telephone company.

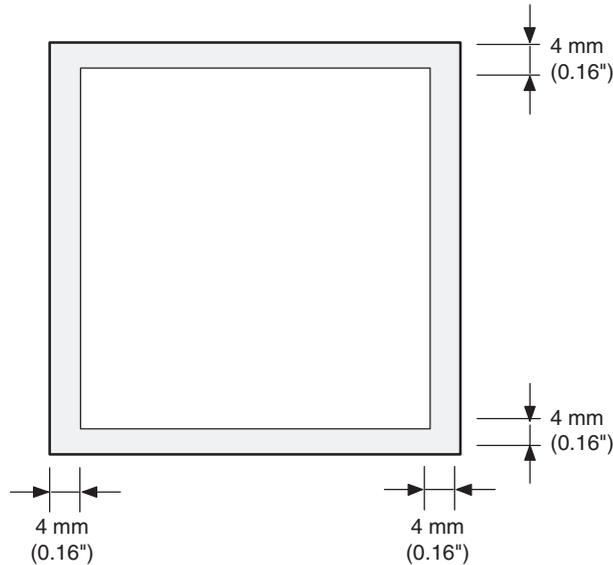
or

Call from another telephone to this number. If the telephone does not ring, report the problem to your local telephone company.

Specifications

Compatibility	ITU-T Group 3		
Coding Scheme	MH, MR, MMR (Conforms to ITU-T Recommendations)		
Modem Type	ITU-T T.30, V.34, V.17, V.29, V.27ter, and V.21		
Modem Speed	33600 - 2400 bps		
Document Size	Max.	: 216 x 600 mm (8.5" x 23.6")	
	Min.	: 148 x 128 mm (5.8" x 5.0")	
ADF Capacity (Automatic Document Feeder)	Built-in, Up to 30 Sheets		
Scanning Method	Sheet Feeding with CIS type image sensor		
Effective Scanning Width	Copy	: 208 mm (8.2")	
	Fax	: 212 mm (8.3")	
	Scanner	: 216 mm (8.5")	
Scanner Resolution			
1) Copy		Horizontal	Vertical
	Fine	8 pels/mm (203 pels/inch)	x 7.7 lines/mm (196 lines/inch)
	SuperFine	8 pels/mm (203 pels/inch)	x 15.4 lines/mm (391 lines/inch)
2) Fax		Horizontal	Vertical
	Standard	8 pels/mm (203 pels/inch)	x 3.85 lines/mm (98 lines/inch)
	Fine	8 pels/mm (203 pels/inch)	x 7.7 lines/mm (196 lines/inch)
	SuperFine	8 pels/mm (203 pels/inch)	x 15.4 lines/mm (391 lines/inch)
3) Scanner		Horizontal	Vertical
		100 dpi	x 100 dpi
		200 dpi	x 200 dpi
		300 dpi	x 300 dpi
		600 dpi	x 600 dpi
Recording Method	Laser printer		
Recording Paper	Plain Paper		
Recording Paper Size	Letter, A4 or Legal (Optional) : UF-5500 Letter or A4 : UF-4500		
Printer Resolution			
1) Copy			
	Fine	203 dpi	x 196 dpi
	SuperFine	203 dpi	x 391 dpi
2) Fax			
	Standard	203 dpi	x 98 dpi
	Fine	203 dpi	x 196 dpi
	SuperFine	203 dpi	x 391 dpi
3) Printer (UF-5500)			
		300 dpi	x 300 dpi
		600 dpi	x 600 dpi
Effective Recording Size	Letter	208 x 271 mm (8.2" x 10.7")	
	A4	202 x 289 mm (8.0" x 11.4")	
	Legal	208 x 348 mm (8.2" x 13.7")	

Print Margin (See Note 1)



Recording Paper Capacity	Approx. 250 sheets (Using 20 lb (75g/m ²) paper)
One-Touch/Abbreviated Dialing Memory Capacity	200 stations (Including 32 One-Touch keys) Each station can register up to 36 digits for each telephone number (including pauses and spaces) and up to 15 characters for each station name
Image Memory Capacity	240 pages : UF-4500 480 pages : UF-5500 (Based on ITU-T Image No.1 using Standard Resolution)
Power Supply	120 VAC, 60 Hz, Single Phase
Power Consumption	Standby : Approx. 5.5 W Preheat : Approx. 65 W Reception : Approx. 500 W Copy : Approx. 500 W Maximum : Approx. 950 W (When the fuser lamp turns on)
Dimensions	420 x 457 x 297 mm (W x D x H) (16.5" x 18" x 11.7") (excluding Projections and optional Paper Cassette)
Weight	Approx. 11.5 kg (Approx. 25.4 lbs) (excluding consumable supplies and options)
Operating Environment	Temperature : 50 to 90.5°F (10 to 32.5°C) Relative Humidity: 20 to 70%
Options	
Legal Cassette Dimensions	356 x 407 x 58 mm (W x D x H) (14" x 16" x 2.3") (excluding projections)
Legal Cassette Weight	Approx. 0.79 kg (Approx. 1.74 lbs) (excluding papers of cassette)

NOTE

1. The left and right print margin is 4 mm (0.16") when printing a Letter, A4 or Legal size document with 600 dpi from a PC.

Recording Paper Specifications

In general, most photocopy papers will also work very well. There are many "name" and "generic" brands of paper available. We recommend that you test various papers until you obtain the desired results.

The following table summarizes the major specifications to consider when selecting white or colored paper.

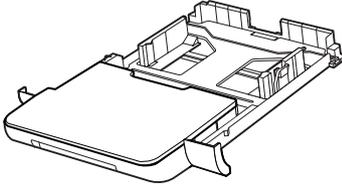
Basic Weight	16 to 21 lb (60 to 80 g/m ²)
Cut Edge Conditions	Cut with sharp blades, no visible frayed edges
Packing	Polylaminated moisture-proof ream wrap
Sizes	Letter : 216 x 279 mm (8.5" x 11") A4 : 210 x 297 mm (8.3" x 11.7") Legal : 216 x 356 mm (8.5" x 14")
Type	Cut sheet

NOTE 1. It is possible that the paper could meet all of the specifications listed above and still not print well because of the variations in paper manufacturing. Therefore, we recommend that you test the paper thoroughly before purchasing.

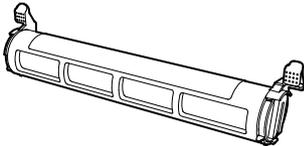
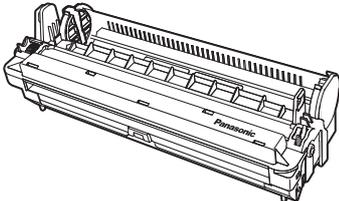
Options and Supplies

Please contact your local Panasonic dealer for availability.

A. Options:

Order No.	Picture	Description
UE-409100		Legal Cassette

B. Supplies:

Order No.	Picture	Description
UG-5591		Toner Cartridge Prints about 3000 pages. (See Note 1)
UG-5590		Drum Cartridge* ¹ Prints about 6000 pages. (See Note 2)

*1 When the drum cartridge is replaced, it is necessary to install the new toner cartridge simultaneously.

NOTE

1. Average yield is based on 3% coverage of the printable area with repetitive printing of continuous printing (Letter/A4 size, single side printing, default density). The yield of a Toner Cartridge varies depending on the coverage, temperature, humidity, media, etc. Therefore, the average yield cannot be guaranteed.
2. A4 portrait in single-sided, printing 3 pages per print job. The yield of the drum cartridge when with 1-page printing per print job will become about half compared with 3-page printing per print job. The yield of a Drum Cartridge varies depending on the coverage, temperature, humidity, media, etc. Therefore, the average yield cannot be guaranteed.

FCC Notice for Users in USA



WARNING

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

1. Reorient or relocate the receiving antenna.
2. Relocate the fax machine with respect to receiver or other equipment.
3. Connect the fax machine into outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

Warning: To assure continued compliance, use only USB shielded interface cable when connecting this product to host computer. Also, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Responsible Party: Panasonic Corporation of North America
One Panasonic Way, Secaucus, NJ 07094

FCC Inquiries Only: Panasonic System Networks Company of America/Technical Support Department
One Panasonic Way Secaucus, New Jersey 07094
1-800-225-5329 (**see Note below**)
Email: pddc_fax@us.panasonic.com

Note: For Technical Support, please contact the Panasonic Technical Support Hotline.

This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the rear panel of this equipment is a label that contains, among other information, a product identifier in the format US:AAAEQ##TXXXX. If requested, this number must be provided to the telephone company.

- Registration No. (found on the rear of the unit)
- Ringer Equivalence No. (REN). (found on the rear of the unit)

Ask your telephone company or installer to install the jack suitable for your device if such is not available.

A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. See installation instructions for details.

The REN is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company. The REN for this product is part of the product identifier that has the format US:AAAEQ##TXXXX. The digits represented by ## are the REN without a decimal point (**Ex:** 03 is a REN of 0.3).

If your telephone equipment causes harm to the telephone network, the Telephone Company may discontinue your service temporarily. If possible, they will notify you in advance. But if advance notice isn't practical, you will be notified as soon as possible. You will be informed of your right to file a complaint with FCC.

FCC Notice for Users in USA

Your telephone company may make changes in its facilities, equipment, operations or procedures that could affect the proper functioning of your equipment. If they do, you will be notified in advance to give you an opportunity to maintain uninterrupted telephone service.

If you experience trouble with this telephone equipment, please contact the manufacturer's authorized service agency for information on obtaining service or repairs. The telephone company may ask that you disconnect this equipment from the network until the problem has been corrected or until you are sure that the equipment is not malfunctioning.

For protection against the risk of electric shock, always disconnect all cables from the wall outlet before servicing, modifying or installing the equipment.

This equipment may not be used on coin service provided by the telephone company nor connected to party lines. Connection to party line service is subject to state tariffs. (Contact the state public utility commission, public service commission or corporation commission for information.)

If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this equipment does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your company or a qualified installer.

WHEN PROGRAMMING EMERGENCY NUMBERS AND(OR) MAKING TEST CALLS TO EMERGENCY NUMBERS:

1. Remain on the line and briefly explain to the dispatcher the reason for the call.
2. Perform such activities in the off-peak hours, such as early morning

The Telephone Consumer Protection Act of 1991 makes it unlawful for any person to use a computer or other electronic device to send any message via telephone facsimile machine unless such message clearly contains in a margin at the top or bottom of each transmitted page or on the first page of transmission the following information:

1. Date and Time of transmission.
2. Identification of either business, business entity or individual sending the message.
3. Telephone number of either the sending machine, business entity or individual.

In order to program this information into your facsimile machine, you should refer to page 26 in this Operating Instructions to complete the steps.

Example of Header Format (DATE and TIME, LOGO, ID Number setting)

MMM-dd-yyyy 09:00	PANASONIC	201 348 7000	P.01/05
↑	↑	↑	
1) Date and Time	2) LOGO	3) ID Number	



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.

Recycling information

USA Only: Disposal may be regulated in your community due to Environmental considerations.

For disposal or recycling information, please visit Panasonic website:

<http://www.panasonic.com/environmental> or call 1-888-769-0149.

Notice to Users in Canada

NOTICE

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to this equipment should be made by an authorized Canadian maintenance facility designated by supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.



CAUTION

Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

NOTICE

This equipment meets the applicable Industry Canada Terminal Equipment Technical Specifications. This is confirmed by the registration number. The abbreviation, IC, before the registration number signifies that registration was performed based on a Declaration of Conformity indicating that Industry Canada Technical Specifications were met. It does not imply that Industry Canada approved the equipment.

On the rear panel of this equipment is a label that contains, among other information, the Registration Number and Ringer Equivalence Number (REN) for this equipment.

The REN assigned to each terminal equipment provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all devices does not exceed five.

Avis

Avant d'installer ce matériel, l'utilisateur doit s'assurer qu'il est permis de le raccorder aux installations de l'entreprise locale de télécommunication. Le matériel doit également être installé en suivant une méthode acceptée de raccordement. L'abonné ne doit pas oublier qu'il est possible que la conformité aux conditions énoncées ci-dessus n'empêche pas la dégradation du service dans certaines situations.

Les réparations de ce matériel doivent être effectuées par un centre d'entretien canadien autorisé désigné par le fournisseur. La compagnie de télécommunications peut demander à l'utilisateur de débrancher un appareil à la suite de réparations ou de modifications effectuées par l'utilisateur ou à cause de mauvais fonctionnement.

Pour sa propre protection, l'utilisateur doit s'assurer que tous les fils de mise à la terre de la source d'énergie électrique, des lignes téléphoniques et des canalisations d'eau métalliques, s'il y en a, sont raccordé ensemble. Cette précaution est particulièrement importante dans les régions rurales.



Avertissement

L'utilisateur ne doit pas tenter de faire ces raccordements lui-même; il doit avoir recours à un service d'inspection des installations électriques, ou à un électricien, selon le cas.

Avis

Le présent matériel est conforme aux spécifications techniques d'Industrie Canada applicables au matériel terminal. Cette conformité est confirmée par le numéro d'enregistrement. Le sigle IC, placé devant le numéro d'enregistrement, signifie que l'enregistrement s'est effectué conformément à une déclaration de conformité et indique que les spécifications techniques d'Industrie Canada ont été respectées. Il n'implique pas qu'Industrie Canada a approuvé le matériel.

Sur le panneau arrière de cet appareil se trouve une étiquette, sur laquelle sont indiqués, entre autres, le numéro d'enregistrement et le numéro d'équivalence de sonnerie (IES) pour cet appareil.

L'IES assigné à chaque dispositif terminal indique le nombre maximal de terminaux qui peuvent être raccordés à une interface téléphonique. La terminaison d'une interface peut consister en une combinaison quelconque de dispositifs, à la seule condition que la somme d'indices d'équivalence de la sonnerie de tous les dispositifs n'excède pas 5.

Glossary

ABBR. No. (Abbreviated Number)	The ability to store full phone numbers into the dialer and then utilizing a short series of keystrokes to speed dial that number in the future.
Access code	A 4-digit programmable access code that prevents unauthorized operation of your Fax.
ADF (Automatic Document Feeder)	The mechanism that delivers a stack of document pages to the scanner one page at a time.
Automatic reception	The mode that allows you to receive fax documents without user intervention.
Auto print reduction	The method of automatically reducing a received document so that it can be printed onto a standard size piece of plain paper. Ex: your machine will reduce an incoming legal size page to 75% of its original size so it can fit on a letter size page.
BPS (Bits Per Second)	The amount of data that is transmitted over the phone line. Your machine can start at each Max. Modem speed and automatically step down to suitable speed depending on the phone line condition and the receiving machine's capabilities.
C.C.I.T.T.	Consultative Committee on International Telegraph and Telephone. This organization has presently developed four groups of industry standards that insure facsimile compatibility.
Character ID	A programmed proprietary code name that allows up to 16 alphanumeric characters identifying your facsimile machine.
Coding scheme	The data compression method used by facsimile machines. Your machine utilizes Modified Huffman (MH), Modified Read (MR) and Modified Modified Read (MMR) coding schemes.
COMM. JOURNAL	Refers to either the Communication Journal, Relay Transmission Report, or the Confidential XMT Report.
CONTRAST	Signifies the scanning sensitivity in terms of lightness and darkness of your original transmitting pages.
Cover Sheet	A Fax Cover Sheet can be attached to your transmit document(s) that shows the recipient's name, originator's name and number of pages attached.
DDD (Direct Distance Dialing)	A telephone service that allows unassisted dialing; no operator assistance is required.
Deferred polling	The ability to retrieve documents from other stations at a later time.
Deferred transmission	The ability to send documents to other stations at a later time.
Direct Dialing	The method of dialing where you enter the entire telephone number through the keypad.
Directory Search Dialing	Allows you to dial a full telephone number by searching the station's name entered in the One-Touch keys or Abbreviated dialing numbers.
Directory Sheet	The list that contains the station names that are programmed into your unit.
DTMF (Dual Tone Multi-Frequency)	Dialing method that sends a different set of frequencies for each digit of the telephone keypad. Commonly refers to touch tone dialing.
ECM (Error Correction Mode)	The ability to correct transmission errors as detected during the transmitting phone call.
End receiving station	In a relay network, the final station designated to receive the document.
FAX Forward	The ability to forward all incoming faxes to the registered station in the specified ABBR No.
FAX Parameter List	The list that contains the home FAX parameters settings that you have programmed into your machine.
FAX/TEL Auto Switching	The ability to share a single telephone line for both fax and voice usage.
File	A task that has been stored into the memory of your unit. Examples are deferred transactions.
Fixed print reduction	The method that allows you to determine one reduction rate, such as 75%, for all incoming documents.
FUNCTION	The control panel key that will be utilized to begin an operation or configuration of a feature.

G3 mode (Group 3)	Refers to the standards and transmission capabilities of the current generation of facsimile machines.
Group dialing	The ability to program many telephone numbers into a single station so that many locations can be dialed in sequence utilizing a single keystroke.
HALFTONE	A scanning technique to distinguish levels of gray from black and white. Your machine can detect up to 64 levels of gray in halftone mode.
Handshaking	The exchange of a group of control signals that communicate between the transmitter and receiver. These signals determine the condition at which communication can occur.
Header	A row of information that is transmitted by the sending machine and printed at the top of each page by the receiving unit. This identifies the transmitting unit and information about the transmission, such as time and date.
ITU-T	International Telecommunication Union - Telecommunication, formerly known as C.C.I.T.T.
ITU-T Image No.1	An industry standard document that allows comparisons of the transmission speeds and capabilities of facsimile machines.
ID	A programmable address of up to 20 digits identifying your machine.
Image memory capacity	This signifies the amount of memory available in your unit capable of storing pages of documents. All page units of measure are based on the ITU-T Image No.1.
Individual Transmission Journal	A report that is printed by the transmitting unit stating information regarding the last document transaction.
Information code	A code that is internally generated by your Fax stating a specific operational error or machine failure.
Initial sending station	In a relay network, the station that is originating the document transmission.
Journal	A report that is printed by your unit listing the last 32 transactions.
Keypad	A group of numeric keys located on your control panel. The keys that are used to enter letters and symbols for various programming functions.
LCD	Liquid Crystal Display. The display area of your machine.
LOGO	Your programmed company name or identification up to 25 alphanumeric characters.
Multiple Logo	The user can select one of 25 preset LOGOs before a transmission.
Manual reception	A mode that requires operator intervention to receive an incoming document.
Memory transmission	The documents are scanned into memory before actual connection to the phone line for transmission.
Modem	A device that converts signals from your fax machine into signals that can be transmitted over telephone lines.
Multi-station transmission	The ability to broadcast the same set of documents to a programmed number of locations.
One-Touch dialing	The ability to dial an entire telephone number by pressing one key.
Polling	The ability to retrieve a document from another facsimile machine.
Polling password	A 4-digit programmed code that enables the security of a document being polled.
Print reduction modes	The methods used to determine how an incoming document will be reduced to print onto the paper loaded in your machine.
Protocol	A protocol is the special set of rules for communicating used by the end points in a telecommunication connection when they send signals back and forth. Both end points must recognize and observe the protocol.
PSTN	Public Switched Telephone Network. Network of interconnected switching equipment and transmission facilities.
Receiving password	A 4-digit password that is checked before a document is received.
RESOLUTION	Relates to the number of dots scanned or printed per certain square. The quality of the image increases as the number of dots per certain square increases.

Continued on the next page...

Glossary

Selective reception	A function that can be set so that your unit will receive from only those machines programmed into your dialer.
Station name	Alphanumeric ID which can be programmed for each One-Touch dialing and Abbreviated dialing number.
Stored documents	Documents that have been scanned and now are stored in your machine's memory.
Sub-address	ITU-T recommendation for further routing, forwarding or relaying of incoming faxes.
Sub-address Password	ITU-T recommendation for additional security that corresponds to the Sub-address.
Substitute memory reception	Your machine's ability to store an incoming document into its memory, when it runs out of recording paper or toner.
Transmission reservation	The ability to preset a telephone number so that you may reserve a transmission while your unit is performing another function.
TAM Interface	A capability of your unit to be connected and operate with a Telephone Answering Machine (TAM).
Transmission password	A 4-digit password that is checked when a document is transmitted.
User parameter	Programmed parameters that provide information to other stations. Examples are logo, character ID, date and time.
View Mode - File List	Allows you to view the brief contents of the memory files through the LCD display without having to print the Memory File List.
View Mode - Journal	Allows you to view the brief contents of the journal through the LCD display without having to print the journal.

All specifications are based on the ITU-T Image No. 1 (The sample shown below is not to scale).



THE SLEREXE COMPANY LIMITED

SAPORS LANE - BOOLE - DORSET - BH 25 8 ER

TELEPHONE BOOLE (945 13) 51617 - TELEX 123456

Our Ref. 350/PJC/EAC

18th January, 1972.

Dr. P.N. Cundall,
Mining Surveys Ltd.,
Holroyd Road,
Reading,
Berks.

Dear Pete,

Permit me to introduce you to the facility of facsimile transmission.

In facsimile a photocell is caused to perform a raster scan over the subject copy. The variations of print density on the document cause the photocell to generate an analogous electrical video signal. This signal is used to modulate a carrier, which is transmitted to a remote destination over a radio or cable communications link.

At the remote terminal, demodulation reconstructs the video signal, which is used to modulate the density of print produced by a printing device. This device is scanning in a raster scan synchronised with that at the transmitting terminal. As a result, a facsimile copy of the subject document is produced.

Probably you have uses for this facility in your organisation.

Yours sincerely,

P.J. CROSS
Group Leader - Facsimile Research

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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 machine as shown below. 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

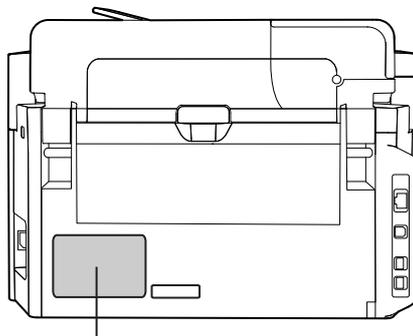
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Model and Serial Number

* The pictured model is UF-5500.

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