Panasonic

Compact Plain Paper FAX with Telephone Answering System

Operating Instructions

Model No. KX-FP85 KX-FP86



FOR FAX ADVANTAGE ASSISTANCE:

- CALL
 - 1-800-HELP-FAX (1-800-435-7329)
- E-MAIL TO
 - consumerproducts@panasonic.com for customers in the USA or
 - Puerto Rico
- REFER TO
- www.panasonic.com

for customers in the USA or

Puerto Rico

Please read these Operating Instructions before using the unit and save for future reference.

Thank you for purchasing a Panasonic facsimile.

Welcome to the world of Panasonic facsimiles.

This product combines facsimile, telephone, telephone answering device and copier features to provide you with more efficient office or home use. By utilizing these convenient features, you can maximize the effectiveness of this unit.

Things you should keep record of

i I	Attach your sales receipt here	i
ture r	eference	

For your future reference		
Date of purchase	Serial number	
	(found on the rear of the unit)	
Dealer's name and address		
Dealer's telephone number		

Caution:

- The Telephone Protection Act of 1991 requires the following information to be clearly stated
 either at the top or bottom margin of the first message page when transmitting messages via
 telephone facsimile:
 - Date and time of transmission,
 - Identification of the business, entity or person(s) sending the facsimile, and
 - Telephone number of the business, entity or person(s).

To program this information into your unit, complete all the instructions on pages 13 to 16.

- Note that the images of copied or received documents will remain on the used ink film. Use discretion when disposing of the used ink film.
- Do not rub or use an eraser on the printed side of recording paper, as the print may smear.
- If you have not applied to the netmoves® service, you will not be able to use the IQ-FAX function (p. 33, 34).

Trademarks

• netmoves is a registered trademark of NetMoves Incorporated.

Hammermill® is a registered trademark of INTERNATIONAL PAPER in the United States and/or other countries.

All other trademarks identified herein are the property of their respective owners.

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Important safety instructions =

When using this unit, basic safety precautions should always be followed to reduce the risk of fire, electric shock, or personal injury.

- 1. Read and understand all instructions.
- 2. Follow all warnings and instructions marked on this unit.
- 3. Unplug this unit from power outlets before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
- 4. Do not use this unit near water, for example near a bath tub, wash bowl, kitchen sink, or the like.
- Place the unit securely on a stable surface. Serious damage and/or injury may result if the unit falls.
- Do not cover slots and openings on the unit. They are provided for ventilation and protection against overheating. Never place the unit near radiators, or in a place where proper ventilation is not provided.
- Use only the power source marked on the unit. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
- 8. For safety purposes this unit is equipped with a three prong grounded plug. If you do not have this type of outlet, please have one installed. Do not use any type of adaptor plug to defeat this safety feature.
- Do not place objects on the power cord. Install the unit where no one can step or trip on the cord.
- Do not overload wall outlets and extension cords. This can result in the risk of fire or electric shock.
- Never push any objects through slots in this unit. This may result in the risk of fire or electric shock. Never spill any liquid on the unit.
- 12. To reduce the risk of electric shock, do not disassemble this unit. Take the unit to an authorized servicenter when service is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the unit is subsequently used
- 13. Unplug this unit from the wall outlet and refer servicing to an authorized servicenter when the following conditions occur:
 - A. When the power supply cord or plug is damaged or frayed.

- B. If liquid has been spilled into the unit.
- C. If the unit has been exposed to rain or water.
- D. If the unit does not work normally by following the operating instructions. Adjust only controls covered by the operating instructions. Improper adjustment may require extensive work by an authorized servicenter.
- E. If the unit has been dropped or physically damaged.
- F. If the unit exhibits a distinct change in performance.
- During thunderstorms, avoid using telephones except cordless types. There may be a remote risk of an electric shock from lightning.
- 15. Do not use this unit to report a gas leak, when in the vicinity of the leak.

SAVE THESE INSTRUCTIONS

INSTALLATION

- 1. Never install telephone wiring during a lightning storm.
- 2. Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
- 3. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- 4. Use caution when installing or modifying telephone lines.

WARNING

 To prevent the risk of fire or electrical shock, do not expose this product to rain or any type of moisture.

OTHER INFORMATION

- Keep the unit away from electrical noise generating devices, such as fluorescent lamps and motors.
- The unit should be kept free from dust, high temperature and vibration.
- The unit should not be exposed to direct sunlight.
- Do not place heavy objects on top of this unit.
- Do not touch the plug with wet hands.

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Accessories

Included accessories =

Power cord1	Telephone line cord1	Handset1	Handset cord1
Part No. PFJA1030Z	Part No. PQJA10075Z	Part No. PFJXE0805Z	Part No. PFJA1029Z
Paper tray1	Ink Film1 (complimentary test ink film)	Operating Instructions1	
Part No. PFKS1040Y1	—The ink film is pre-installed.	Part No. PFQX1423Z	

- If any items are missing or damaged, check with the place of purchase.
- The part numbers listed above are subject to change without notice.
- Save the original carton and packing materials for future shipping and transportation of the unit.

Accessory order information _____

The complimentary test ink film is 10 meters (32½') long.
 We recommend that you buy full size replacement film − 50 meters (164') for continuous use of your unit.

For best results, use genuine Panasonic replacement film Model No. KX-FA53 or KX-FA55.

 To install legal size recording paper, use a legal paper tray Model No. KX-FA50 (p. 10).

To order

Telephone: Call 1-201-348-7292.

Fax: Send a fax to 1-877-375-4020.

Include:

-your name, shipping address and telephone number,

-credit card type, number, expiration date and your signature,

–order part number and quantity.

Via the Internet: Visit our web site: http://www.panasonic.com/store

(for customers in the USA or Puerto Rico ONLY)

• If you have any questions regarding accessory orders, please contact us at

this E-MAIL ADDRESS: panasonicdirect@panasonic.com

(for customers in the USA or Puerto Rico ONLY)

or call us at: 201-348-7292

Model No.	Item	Specifications / Usage
KX-FA53	Replacement film	1 roll – 216 mm x 50 m (8½" x 164')
KX-FA55	Replacement film	2 rolls – 216 mm x 50 m (8½" x 164')
KX-FA50	Legal paper tray	To install legal size recording paper.

Note:

• The ink film is not reusable. Do not rewind and use the ink film again.

Help Button

Help function =

You can print a quick reference for assistance as follows.

Press HELP.

Display:

ROTATE כַּךַ & SET

Rotate **JOG DIAL** until the desired item is displayed.

1. How to send faxes with the voice guide

1.SEND GUIDE

- 2. How to set the date, time, your logo and fax number 2.QUICK SET UP
- 3. How to program the features

3.FEATURE LIST

4. How to store names in the JOG DIAL directory and how to dial them

4.JOG-DIAL

5. Help with problems operating the answering device

5.TAD OPERATION

6. Help with problems sending/receiving faxes

6.FAX SND/RCV

7. How to use the copier function

7.COPIER

8. Frequently asked questions and answers

8.Q and A

9. Explanation of error messages shown on the display

9. ERRORS

10. List of available reports

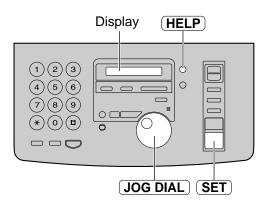
10.REPORTS

11. How to use the Caller ID service

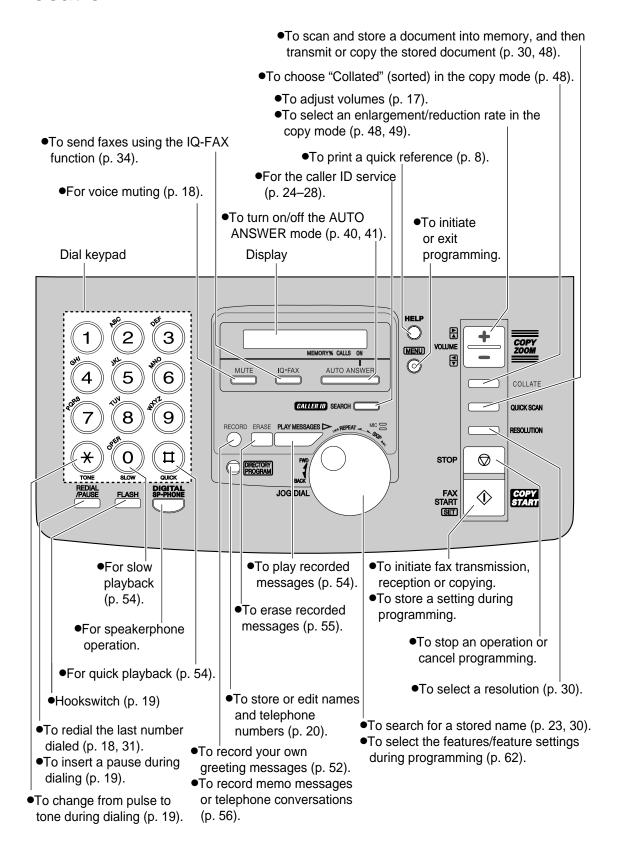
11.CALLER ID

Press SET.

PRINTING

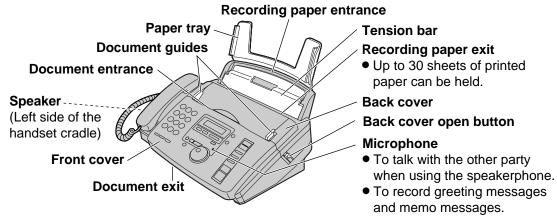


Location =



Finding the Controls / Setup

Overview =

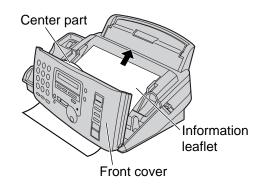


Note:

• The document will be ejected from the front of the unit. Install the unit on a desk or floor with a smooth surface and do not place anything in front of the unit.

Removing the information leaflet =

- Open the front cover by pulling up the center part.
- Remove and read the information leaflet.
- Close the front cover securely.



Paper tray **■**

Insert one tab on the paper tray into one slot on the back of the unit (1) and then insert the other tab into the other slot (2).

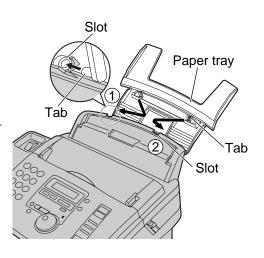
Note:

 Do not place the unit in areas where the paper tray may be obstructed by a wall, etc.

To use legal size paper

 Please purchase a legal paper tray, Model No. KX-FA50 (p. 7) and install as shown above.





Recording paper ____

Letter* or legal** size recording paper can be loaded. The unit can hold up to 50 sheets of 60 g/m^2 to 75 g/m² (16 lb. to 20 lb.) paper or 30 sheets of 90 g/m^2 (24 lb.) paper.

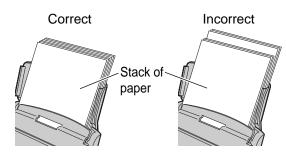
*Letter = 216 mm x 279 mm $(8\frac{1}{2}$ " x 11")

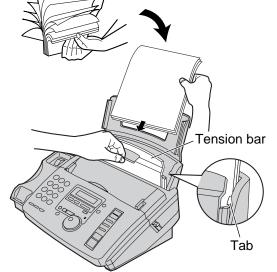
**Legal = 216 mm x 356 mm (8½" x 14")

If you use legal size paper, please purchase a legal paper tray, Model No. KX-FA50 (p. 7) and install it (p. 10).

For best results, only use inkjet paper such as Hammermill[®] Jet Print. If you use other types of paper, the print quality may be affected.

- Fan the stack of paper to prevent a paper jam.
- Pull the tension bar forward and hold open while inserting the paper.
 - The paper should not be over the tab.
 - If the paper is not inserted correctly, readjust the paper or the paper may jam.





Note for recording paper:

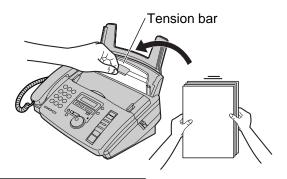
- Avoid paper with a cotton and/or fiber content that is over 20%, such as letterhead paper or paper used for resumes.
- Do not use different types or thicknesses of paper at the same time. This may cause a paper jam.
- Avoid extremely smooth or shiny paper that is highly textured.
- Avoid paper that is coated, damaged or wrinkled.

Note:

- Avoid double-sided printing.
- Do not use paper printed from this unit for double-sided printing with other copiers or printers, or the paper may jam.
- Some paper only accepts print on one side. Try using the other side of paper if you are not happy with the print quality.

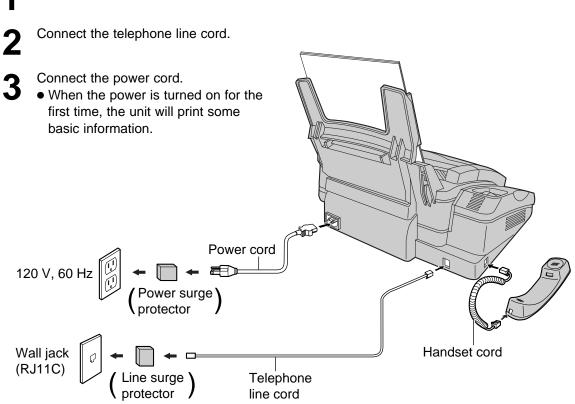
Adding paper

- Pull the tension bar forward and hold open while removing all of the installed paper.
- 2. Add paper to the removed paper and straighten.
- 3. Fan the stack of paper.
- Pull the tension bar forward and hold open while inserting the paper.



Connections :

Connect the handset cord.

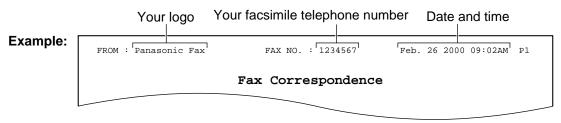


Note:

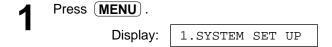
- For additional equipment protection, we recommend the use of a surge protector. The following types are available; TELESPIKE BLOK MODEL TSB (TRIPPE MFG. CO.), SPIKE BLOK MODEL SK6-0 (TRIPPE MFG. CO.), SUPER MAX (PANAMAX) or MP1 (ITW LINX).
 - The warranty does not cover damage due to power line surges or lightning.
- •When you operate this product, the power outlet should be near the product and easily accessible.

Date and time, your logo and facsimile telephone number _____

You should program the date and time, your logo and facsimile telephone number. This information will be printed on each page transmitted from your unit, fulfilling the requirements of the Telephone Protection Act of 1991.



Setting the date and time



- Press #, then 0 1.

 SET DATE & TIME
- **3** Press **SET**.

 M:01/D:01/Y:00
- Enter the correct month/day/year by selecting 2 digits for each, using the dial keypad.

 Example: Aug. 10, 2000

Press **08 10 00**.

M:<u>0</u>8/D:10/Y:00

Cursor

- Press SET.
- TIME: <u>1</u>2:00AM
- Enter the correct hour/minute by selecting 2 digits for each, using the dial keypad.

 Press ★ to select "AM" or "PM".

 Example: 3:15PM

1. Press **0**(**3**) **1**(**5**).

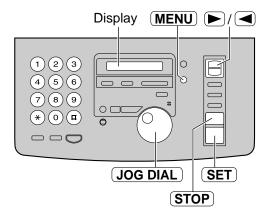
TIME: <u>0</u>3:15AM

2. Press * until "PM" is displayed.

TIME: <u>0</u>3:15PM

- 7 Press SET.

 SETUP ITEM []
- Press MENU.



Note:

- The accuracy of the clock is approximately ±60 seconds a month.

To correct a mistake

- Press
 or
 to move the cursor to the incorrect number, and make the correction.
- If you press STOP while programming, the display will return to the previous one.

Setting your logo

The logo can be your company, division or name.

Press MENU.

Display: | 1.SYSTEM SET UP

Press #, then 02.

YOUR LOGO

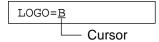
Press SET.

LOGO=

Enter your logo, up to 30 characters, using the dial keypad. See next page for details.

Example: Bill

1. Press **2** twice.



2. Press 4 six times.

LOGO=B<u>i</u>

3. Press 5 six times.

LOGO=Bil

4. Press to move the cursor to the next space and press **5** six times.

LOGO=Bil<u>l</u>

Press SET.

SETUP ITEM []

Press MENU.

Note:

You can enter your logo by rotating
 JOG DIAL (see next page).

To correct a mistake

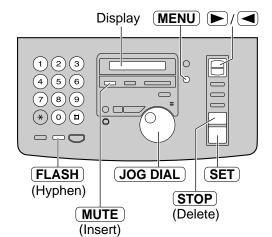
 Press or to move the cursor to the incorrect character, and make the correction.

To delete a character

 Move the cursor to the character you want to delete and press (STOP).

To insert a character

- 1. Press or to move the cursor to the position to the right of where you want to insert the character.
- 2. Press <u>MUTE</u> (Insert) to insert a space and enter the character.



To select characters with the dial keypad

Pressing the dial keys will select a character as shown below.

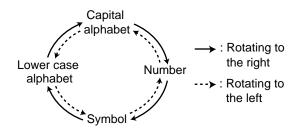
Keys								CI	harac	ters							
1	1	[]	{	}	+	_	/	=	,		_	`	:	;	?	-
2	Α	В	С	а	b	С	2										
3	D	Е	F	d	е	f	3										
4	G	Н	I	g	h	i	4										
5	J	K	L	j	k	I	5										
6	М	N	0	m	n	0	6										
7	Р	Q	R	S	р	q	r	s	7								
8	Т	U	V	t	u	٧	8										
9	W	Х	Υ	Z	W	х	у	Z	9								
0	0	()	<	>	!	"	#	\$	%	&	¥	*	@	۸	,	\rightarrow
FLASH	Нур	hen b	utton	(To ir	sert a	hyph	nen.)										
MUTE	Inse	ert but	ton (T	o inse	ert one	e char	acter	or on	e spa	ce.)							
STOP	Dele	ete bu	itton (To del	ete a	chara	cter.)	_					_				_
							ne righ		numbe	er key	, mov	e the	curso	r to th	e nex	t spac	e.
4	∢ k	сеу (То	o mov	e the	curso	r to th	ne left.	.)									

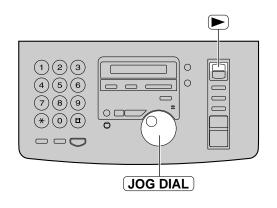
To select characters using the JOG DIAL

Instead of pressing the dial keys, you can select characters using the JOG DIAL.

- **1.** Rotate **JOG DIAL** until the desired character is displayed.
- 2. Press to move the cursor to the next space.
 - The character displayed in step 1 is inserted.
- 3. Return to step 1 to enter the next character.

Display order of characters





Setup

Setting your facsimile telephone number

Press MENU.

Display: 1.SYSTEM SET UP

Press #, then 03.

YOUR FAX NO.

Press SET.

NO.=

Enter your facsimile telephone number, up to 20 digits, using the dial keypad.

Example: NO.=1234567

Press SET.

SETUP ITEM []

Press MENU.



Note:

- You can enter your facsimile telephone number by rotating JOG DIAL . If using JOG DIAL , press
 ▶ to move the cursor.

Example (using the dial keypad): +234 5678

Press *234 #5678.

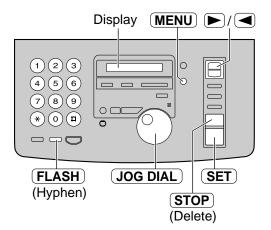
To enter a hyphen in a telephone number, press
 FLASH (Hyphen).

To correct a mistake

• Press or to move the cursor to the incorrect number, and make the correction.

To delete a number

● Move the cursor to the number you want to delete and press (STOP).

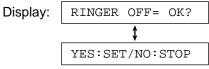


Adjusting volumes =

Ringer volume

4 levels (high/middle/low/off) are available. While the unit is idle, press ▲ or ▼.

- To turn the ringer off:
 - Press repeatedly until the following message is displayed.



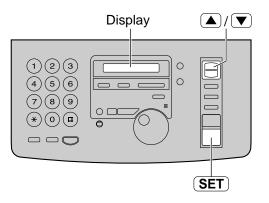
- 2. Press (SET).
- To turn the ringer back on, press ▲.
- ■While the ringer volume is set to off:

The display will show the following message.

RINGER OFF

When a call is received, the unit will not ring and will display the following.

INCOMING CALL



Handset receiver volume

5 levels (high to low) are available. While using the handset, press ▲ or ▼.

Speaker volume

8 levels (high to low) are available.

While using the speakerphone, press ▲ or ▼.

Fax voice guidance volume

9 levels (high to off) are available. While listening to the fax voice guidance, press ▲ or ▼.

Answering device volume

9 levels (high to off) are available. While listening to the recorded messages, press \triangle or \blacktriangledown .

Making and Answering Calls

Voice calls - making =

Press **DIGITAL SP-PHONE** or lift the handset.

Display: TEL=

Dial the telephone number.

Example: | TEL=2345678

• If you misdial, hang up and dial again.

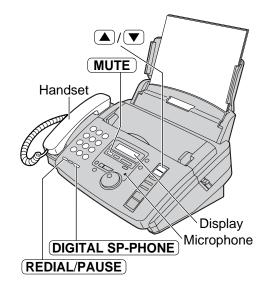
When the other party answers, talk into the microphone or handset.

When finished talking, press

DIGITAL SP-PHONE or replace the handset.

Note:

The dialing mode is set to "TONE" as a default setting.
 If you cannot dial, change to "PULSE" with feature #13 (p. 63).

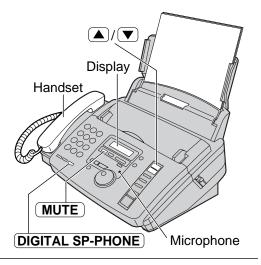


Voice calls - answering

- When the unit rings, press

 DIGITAL SP-PHONE or lift the handset.
- When finished talking, press

 DIGITAL SP-PHONE or replace the handset.



To redial the last number

- 1. Press **DIGITAL SP-PHONE** or lift the handset.
- 2. Press (REDIAL/PAUSE).

To mute your voice to the other party

1. Press **MUTE** during a telephone conversation.

Display: <MUTE>

- •The other party cannot hear you, but you can hear them.
- **2.** To resume the conversation, press **MUTE** again.

Speakerphone operation

- Use the speakerphone in a quiet room.
- Adjust the speakerphone volume using
- To switch to the handset, lift the handset.
 To switch back to the speakerphone, press
 DIGITAL SP-PHONE).



For fax advantage assistance, call 1-800-435-7329.

TONE, FLASH and PAUSE buttons

TONE button

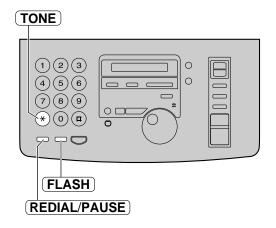
The **TONE** (*) button is used for rotary pulse dial services and allows you to temporarily change from pulse to tone mode during a dialing operation.

When you hang up, the unit will automatically return to the pulse mode.

FLASH button

The **FLASH** button functions like the hookswitch on a regular telephone. If you misdial a telephone number, press the **FLASH** button firmly.

The **FLASH** button also allows you to use special features of a host exchange (if connected) or local telephone company services such as call waiting. For further details, contact your host exchange supplier or local telephone company.



Note:

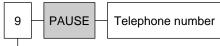
 TONE and PAUSE can be stored into a telephone number in the JOG DIAL directory.

Entering pauses

When the **REDIAL/PAUSE** button is pressed during dialing, a pause will be inserted.

Example 1:

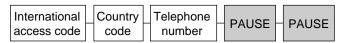
If your unit is connected to a host exchange, insert a pause to get an outside line.



Line access code

Example 2:

If a transmission error occurs during an overseas fax transmission, add two pauses at the end of the telephone number.



Storing names and telephone numbers in the JOG DIAL directory ______

For rapid access to frequently dialed numbers, the unit provides a JOG DIAL directory (50 stations).

For your convenience, the following 2 stations have been pre-programmed.

HELP-FAX (1-800-435-7329): If you cannot correct a problem after trying the help function (p. 8), call using this station (p. 23).

IQ-FAX-CS (IQ-FAX Customer Service Center)(1-888-332-9728): If you have a problem with IQ-FAX, call using this station (p. 23).

If you do not need the above stations, you can erase them (p. 22).



Rotate JOG DIAL until the following is displayed.

3 Enter the name, up to 10 characters, by following the instructions on the next page.

Example: NAME=Alice

A Press SET.

NO.=

NO.=5552233

5 Enter the telephone number, up to 30 digits, using the dial keypad.

Example:

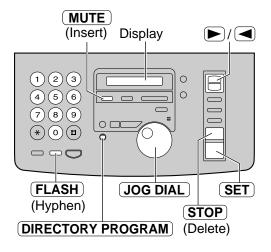
If you want to enter a hyphen, press (FLASH).

Press SET.



To program other items, repeat steps 3 to 6.

7 Press **DIRECTORY PROGRAM** to exit the program.



Helpful hint:

 You can confirm the stored items on the display (p. 23) or on the telephone number list (p. 81).

Note:

•When the following message is displayed in step 6, you can only store 5 more items.

Display: SPACE= 5 DIRS.

• If there is no space to store new stations, the following message is displayed in step 1.

JOG-DIAL FULL

Erase unnecessary stations (p. 22).

 A hyphen or a space entered in a telephone number counts as two digits.

To correct a mistake

•Press ▶ or to move the cursor to the incorrect character/number, and make the correction.

To delete a character/number

 Move the cursor to the character/number you want to delete and press STOP.

To select characters with the dial keypad

Pressing the dial keys will select a character as shown below.

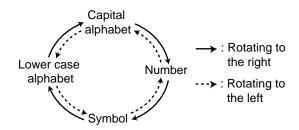
Keys								С	harac	ters							
1	1	[]	{	}	+	-	/	=	,		_	`	:	;	?	I
2	Α	В	С	а	b	С	2										
3	D	Е	F	d	е	f	3										
4	G	Н	ı	g	h	i	4										
5	J	K	L	j	k	ı	5										
6	М	N	0	m	n	0	6										
7	Р	Q	R	S	р	q	r	s	7								
8	Т	U	V	t	u	٧	8										
9	W	Χ	Υ	Z	W	х	у	Z	9								
0	0	()	<	>	!	"	#	\$	%	&	¥	*	@	^	,	\rightarrow
(FLASH)	Нур	hen b	utton	(To in	sert a	hyph	nen.)										
MUTE	Inse	ert but	ton (T	o inse	ert one	e char	racter	or on	e spa	ce.)							
STOP	Dele	ete bu	tton (To del	ete a	chara	cter.)										
A							ne righ		numb	er key	, mov	e the	curso	r to th	e nex	t spac	e.
4	∢ k	кеу (То	o mov	e the	curso	r to th	ne left.)									

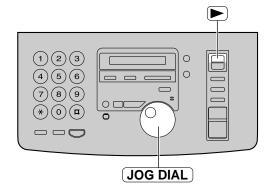
To select characters using the JOG DIAL

Instead of pressing the dial keys, you can select characters using the JOG DIAL.

- **1.** Rotate **JOG DIAL** until the desired character is displayed.
- 2. Press to move the cursor to the next space.The character displayed in step 1 is inserted.
- **3.** Return to step 1 to enter the next character.

Display order of characters





Editing/erasing a stored name and number



1 Press **DIRECTORY PROGRAM**.

EDIT= * DELETE=#

Editing

? Press ★ to select "EDIT".

NAME=Mary

- If you do not need to edit the name, skip to step 5.
- Edit the name by following the instructions on page 21.
- Press SET.

Example: NO.=0123456

- If you do not need to edit the telephone number, skip to step 7.
- Edit the telephone number. For further details, see page 20.

7 Press SET.

REGISTERED

Erasing

Press # to select "DELETE".

DELETE OK?

\$\frac{1}{2}\$

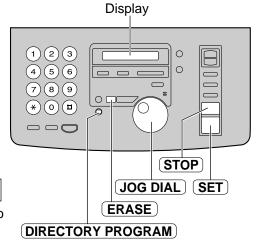
YES:SET/NO:STOP

• To cancel erasing, press **STOP**.

4 Press SET.

DELETED

• The stored name and number are deleted.



Note:

- You can use the following method to erase.
- **1.** Rotate **JOG DIAL** until the desired name is displayed.
- 2. Press (ERASE).
- 3. Press (SET).

Making a voice call using the JOG DIAL directory ===

Before using this feature, program the desired names and telephone numbers into the directory (p. 20).

Rotate **JOG DIAL** until the desired name is displayed.

Example: Lisa

- Press **DIGITAL SP-PHONE** or lift the handset.
 - The unit will start dialing automatically.

DIALING

When the other party answers, talk into the microphone or the handset.

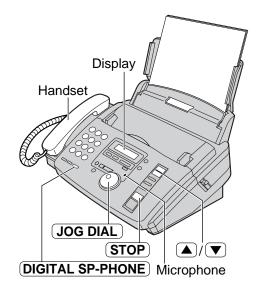
TEL=<Lisa>

When finished talking, press

DIGITAL SP-PHONE or replace the handset.

Helpful hint:

 You can confirm the stored items on the display (see below) or on the telephone number list (p. 81).



Note:

• If the desired name has not been stored, press **STOP** and dial the number manually.

To confirm the stored items on the display

1. Rotate **JOG DIAL** until the desired name is displayed.

Example: Kim

2. Press \bigcirc or \bigcirc .

4567890

- ◆To stop the operation, press STOP .
- **3.** Press **DIGITAL SP-PHONE** or lift the handset.
 - The unit will automatically dial the number.

To search for a name by initial

Example: If you want to search for the name "Lisa"

 Rotate JOG DIAL until any name is displayed.

Example: Alan

2. Press 5 repeatedly until any name with the initial "L" is displayed (see the character table on page 21).

Larry

3. Rotate **JOG DIAL** to the right until "Lisa" is displayed.

Lisa

- To stop the operation, press **STOP** .
- **4.** Press **DIGITAL SP-PHONE** or lift the handset.
 - The unit will automatically dial the number.

Note:

 When you want to search for symbols (not letters or numbers), press ★ in step 2.

Caller ID service from your phone company =

This unit is compatible with a Caller ID service offered by your local telephone company. To use this feature, you must subscribe to a Caller ID service.

Set the following ring count settings to 2 or more rings beforehand.

- TAD ring count and FAX ring count (feature #06 on page 63)
- TEL/FAX ring count (feature #78 on page 68)

How Caller ID is displayed

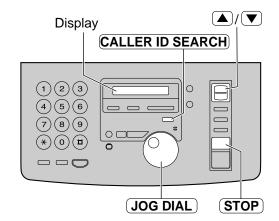
The calling party's name or telephone number will be displayed after the first ring.

You then have the option of whether or not to answer the call depending on the caller.

Example:

Chris Horner

The unit will automatically store the caller's information (name and telephone number) and the time of the call. You can view the caller's information (see below) and print the caller ID list (p. 25).



Note:

- If the unit is connected to a PBX (Private Branch Exchange) system, you may not receive the caller's information. Consult your PBX supplier.
- If the unit cannot receive caller information, the unit will show the following.

Display:

OUT OF AREA

The caller dialed from an area which does not provide a Caller ID service.

PRIVATE CALLER

The caller requested not to send their information.

LONG DISTANCE

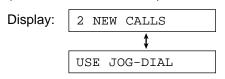
The caller made a long distance call.

Viewing caller information on the display

Once a call is received, the caller's information will be stored in the unit as a new call. After viewing, it will be stored as an old call.

Press CALLER ID SEARCH.

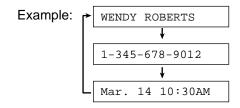
Example (2 new calls are received):



- Rotate **JOG DIAL** to the right (clockwise).
 - The display will show the most recent caller's name.
- **?** Press **STOP** to stop viewing.

Note:

 If you want to know the caller's telephone number and the date/time of the call, press
 or repeatedly while the display shows the name.



To search for caller information

- If you rotate (JOG DIAL) to the left, the display will show from the reviewed calls.
- If the unit could not receive caller information, the unit will show:

NO NAME RCVD

• After the last new call has been displayed, the unit will show:

END OF NEW CALL

• After all calls are displayed, the unit will show:

END

• If no calls have been received, the unit will show:

NO CALLER DATA

Confirming caller information using the Caller ID list

The unit will store caller information of up to 30 calls (Caller ID list).

- To print the Caller ID list manually, see page 81.
- This list will be printed out automatically after every 30 new calls. This feature is set to "ON" as a default with feature #26 (p. 65). If you select "OFF", the unit will not print the list automatically but will store the records of received calls.

Sample of a Caller ID list

NO.	(NEW) NAME	TELEPHONE NUMBER	TIME OF CALL	ANSWER
01 02	WENDY ROBERTS ALLAN STONE	345-678-9012 456-789-0123	Mar. 14 10:30AM Mar. 13 08:35AM	FAX TAD
NO.	(OLD) NAME	TELEPHONE NUMBER	TIME OF CALL	ANSWER
01	MIKE TIMAR	987-654-3210	Mar. 11 09:35AM	TEL

TAD: Telephone answering device responded. TEL: Telephone call received.

(blank): Not answered.

Note:

- When the total number of calls reaches 30 and a new call is received, the oldest data will automatically
- The caller information is received from your telephone company and may vary from the JOG DIAL directory of your unit.

Calling back using caller information **=**

You can easily call back a caller using the stored caller information.

Important:

- This feature is not available in the following cases.
 - The telephone number includes data other than numbers (ie., * or #).
 - The caller's information does not include a telephone number.

◆ Press CALLER ID SEARCH.

Example: 2

Display:

2 NEW CALLS

\$
USE JOG-DIAL

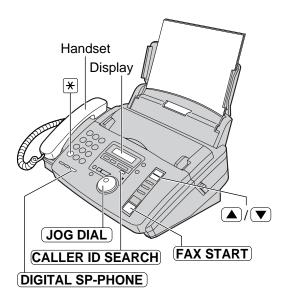
Rotate JOG DIAL until the desired name (or telephone number) is displayed.

Example: ALLAN STONE

To confirm the telephone number, press
 ▲ or ▼ repeatedly.

Example: 1-456-789-0123

- To edit the number, see below.
- Press **DIGITAL SP-PHONE** or lift the handset.
 - The unit will start dialing automatically.
 - To send a fax insert the document FACE DOWN and press FAX START.
 See pages 30 and 31 for details.



To edit the telephone number

Press * repeatedly in step 2.

Each time you press \times , the telephone number will be changed as follows.

- 1. 1 Area code Local telephone number ("1" added)
- 2. Local telephone number (area code omitted)
- 3. Area code Local telephone number
- 4. 1 Local telephone number ("1" added and area code omitted)

Storing caller information in the JOG DIAL directory ______

You can store caller information (name and telephone number) in the JOG DIAL directory.

Important:

- This feature is not available in the following cases.
 - The telephone number includes data other than numbers (ie., * or #).
 - The caller's information does not include a telephone number.



Example: 2 NEW CALLS

Display: USE JOG-DIAL

Rotate JOG DIAL until the name you want to store is displayed.

Example: WENDY ROBERTS

? Press **DIRECTORY PROGRAM**.

NAME=WENDY ROBE

- •If the directory is full, a name and number cannot be stored. Erase unnecessary stations in the JOG DIAL directory (p. 22).
- Press <u>SET</u>.

 Example: NO.=3456789012
- Fress SET.

REGISTERED



Note:

- You can confirm the stored items on the display (p. 23) or on the telephone number list (p. 81).
- You can only store a name up to 10 characters long.
- To edit items stored in the JOG DIAL directory, see page 22.

Erasing caller information

Erasing specific caller information

Press **CALLER ID SEARCH**).

Example: 2 NEW CALLS

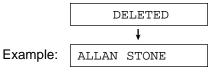
Display: USE JOG-DIAL

Rotate JOG DIAL until the desired name is displayed.

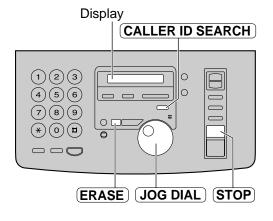
Example: | WENDY ROBERTS

? Press ERASE.

• The caller's information will be erased.



- To erase other items, repeat steps 2 and 3.
- Press **STOP** to exit the program.



Erasing all stored caller information

✓ Press MENU three times.

Display: 3.CALLER SET UP

Press SET.

CALL LIST ERASE

? Press SET.

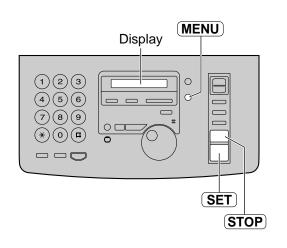
ALL ERASE OK?

• To cancel erasing, press **STOP**, then **MENU**).

Press SET.

ERASE COMPLETED

Press **STOP** to exit the program.



Talking to the other party after fax transmission or reception

You can talk to the other party after a fax message is completed. This will save the added expense and time of making another call.

This feature only works when the other party's fax machine is equipped with a voice contact feature.

Initiating voice contact

Press **DIGITAL SP-PHONE** while transmitting or receiving documents.

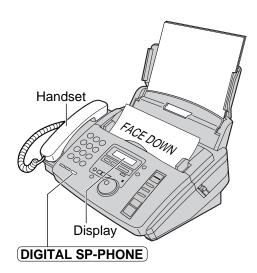
Display:

VOICE STANDBY

- Your unit will call the other party with a distinctive ring.
- When the other party answers, your unit will emit a distinctive ring.
- Press **DIGITAL SP-PHONE** or lift the handset to start talking.

Note:

- If you initiate voice contact during transmission, the unit will call you with a distinctive ring after all of the documents have been transmitted.
- If you initiate voice contact during reception, the unit will call you with a distinctive ring after the current page of the document is received.



Receiving a request for voice contact

If the other party initiates voice contact, your unit will sound a distinctive ring and the following will be displayed.

Display:

PLEASE PICK UP

Press **DIGITAL SP-PHONE** or lift the handset within 10 seconds of the distinctive ring to start talking.

Note:

- If you do not answer within 10 seconds of the distinctive ring;
 - In the TAD/FAX mode, your unit will play a greeting message and record an incoming voice message.
 - In the FAX ONLY, TEL or TEL/FAX mode, the line will be disconnected.

Sending a fax manually/using the JOG DIAL directory ==

- Adjust the width of the document guides to the size of the document.
- 2 Insert the document (up to 10 pages) FACE DOWN until a single beep is heard and the unit grabs the document.

Display:

STANDARD

If necessary, press **RESOLUTION** repeatedly to select the desired setting (see below).

Manually

Press **DIGITAL SP-PHONE** or lift the handset.

TEL=

Dial the fax number.

Example: '

TEL=5678901

When a fax tone is heard:

Press FAX START, and replace the handset if using it.

OR

When the other party answers your call:

Ask them to press their start button. When a fax tone is heard, press **FAX START** and replace the handset if using it.

CONNECTING....

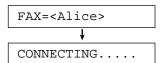
Using the JOG DIAL directory

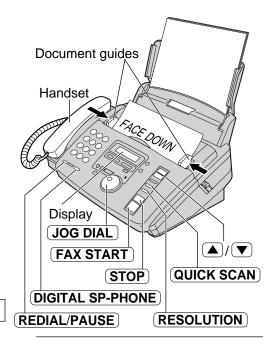
Rotate JOG DIAL until the desired name is displayed.

Example: | Alice

- ullet To confirm the number, press $lack \Delta$ or $lack \nabla$.
- For further details about using the JOG DIAL, see page 23.

Press FAX START.





To select the resolution

Select the desired resolution according to the type of document.

STANDARD: For printed or typewritten originals with normal-sized characters.

FINE: For originals with small printing.

SUPER FINE: For originals with minute printing.

HALF TONE: For originals containing photographs, shaded drawings, etc.

- •Using the "FINE", "SUPER FINE" or "HALF TONE" setting will increase the transmission time.
- If the resolution setting is changed during feeding, it will be effective from the next sheet.
- The "SUPER FINE" resolution only works with other compatible fax machines.

From memory

You can press **QUICK SCAN** instead of **FAX START** to scan the document into memory before sending.

After storing, the unit will transmit the document.

- The memory capacity is approx. 25 pages based on the ITU-T No. 1 Test Chart in standard resolution (p. 85).
- If the document exceeds the memory capacity, sending will be cancelled.

To transmit more than 10 pages at a time

Insert the first 10 pages of the document. Add the extra pages (up to 10) before the last page is fed into the unit.

To stop transmission

Press (STOP).

To redial the last number

Press (REDIAL/PAUSE).

- •If the line is busy, the unit will automatically redial the number up to 2 times.
- During redial, the following will be displayed.

Display:

WAITING REDIAL

• To cancel redialing, press (STOP).

Fax auto redial for the JOG DIAL directory

If the line is busy or there is no answer when using the JOG DIAL directory, the unit will automatically redial the number up to 2 times.

- This feature is also available for delayed transmission (feature #25 on page 64).
- During redial, the following will be displayed.

Display:

WAITING REDIAL

•To cancel redialing, press (STOP).

Convenient way to send a fax

You can dial the fax number first before inserting the document. This is convenient if the other party's number is indicated on the document.

- 1. Enter the fax number.
 - The handset must be on the cradle.
- 2. Insert the document.
- 3. Press FAX START.

If your unit does not send a fax using the JOG DIAL directory

- Confirm the stored items on the display (p. 23) or on the telephone number list (p. 81).
- Check that the number dialed is answered by the other party's machine.
- **1.** Rotate **JOG DIAL** until the desired name is displayed.
- 2. Press (DIGITAL SP-PHONE).
- The connecting tone will be heard during dialing to tell you the status of the other party's machine (feature #76 on page 68).

Documents you can send

Minimum size Maximum size Effective scanning area Scanned area 4 mm 208 mm (8³/₁₆") Paper width (8¹/₂") 216 mm (8¹/₂")

Document weight

Single sheet: 45 g/m² to 90 g/m² (12 lb. to 24 lb.) Multiple sheets:

Multiple sheets: $60 \text{ g/m}^2 \text{ to } 75 \text{ g/m}^2$ (16 lb. to 20 lb.)

Note:

- Remove clips, staples or other similar fastening objects.
- Check that ink, paste or correction fluid has dried.
- •Do not send the following types of documents. Use copies for fax transmission.
- Chemically treated paper such as carbon or carbonless duplicating paper
- Electrostatically charged paper
- Heavily curled, creased or torn paper
- Paper with a coated surface
- Paper with a faint image
- Paper with printing on the opposite side that can be seen through the front (e.g. newspaper)

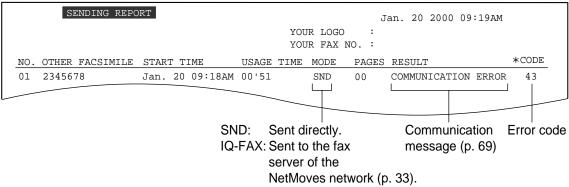
Reports for confirmation

To confirm the communication results, the following reports are available.

Sending report

This report will provide you with a printed record of fax transmission results. To use this feature, activate feature #04 (p. 63).

Sample of a sending report



Note:

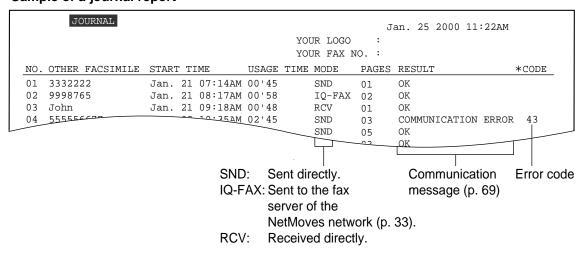
• If your fax is not transmitted to the other party's fax machine when using the NetMoves network (p. 33), the NetMoves network will send a Non-Delivery Notice to your unit.

Journal report

The unit stores the 30 most recent fax communication results. When a new communication occurs, the oldest communication result will be erased.

- —To print manually, see page 81.
- —To print automatically after every 30 new fax communications, select "ON" with feature #22 (p. 64). If you select "OFF", the unit will not print the journal automatically but store the records of fax communications.

Sample of a journal report



Note:

• If your fax is not transmitted to the other party's fax machine when using the NetMoves network (p. 33), the NetMoves network will send a Non-Delivery Notice to your unit.

IQ-FAX =

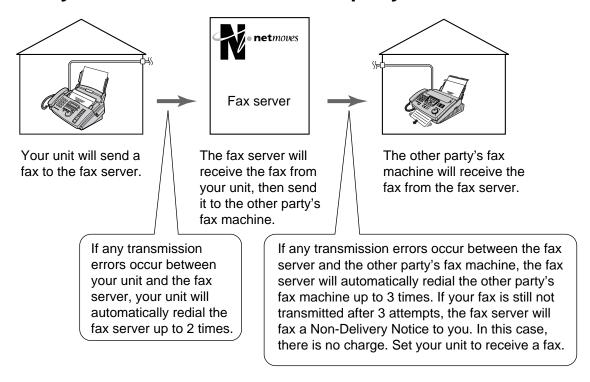
This feature can only be used after applying to NetMoves.

IQ-FAX is intelligent faxing which allows you to send faxes via the Internet using the IQ-FAX button. Behind the IQ-FAX button is the NetMoves Global Fax Network which manages the delivery of your fax to any fax machine in the world. It routes your fax via the best and most time-efficient route and will automatically resend your fax for you if the receiving fax machine is unavailable.

This "fax-only" network has the added advantage of cost efficiency due to the Internet being integrated into the network. Every fax is secure since the NetMoves network utilizes the highest encryption legally allowed, ensuring that your document stays secure. You get the benefits of carefree faxing with savings associated with the use of the Internet. It is simple, quick, and secure.

For more information, contact NetMoves at 1-888-332-9728. This number is pre-programmed in the JOG DIAL directory (p. 20).

How your fax is sent to the other party's fax machine



How to apply for the NetMoves Internet service for your unit

- 1. Fill out the attached application form and fax it to 1-800-909-6649.
 - The NetMoves company will send you a welcome fax after they have activated your account.
 - There is no application or monthly fee. You pay only for the faxes you send.
- 2. To activate the IQ-FAX function from your fax machine, set feature #75 to "ON" (p. 67).

Sending a fax using the Internet

- Adjust the width of the document guides to the size of the document.
- Insert the document (up to 10 pages) FACE DOWN until a single beep is heard and the unit grabs the document.

Display: STANDARD

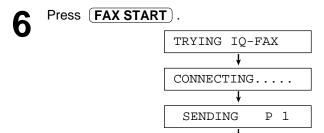
If necessary, press **RESOLUTION** repeatedly to select the desired setting (p. 30).

Press **IQ-FAX** .

IQFAX TO WHERE?

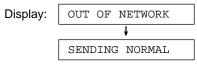
- Enter the fax number using the dial keypad or (JOG DIAL).
 - When you use the JOG DIAL, display the desired item and press (SET).

Example: FAX=223344



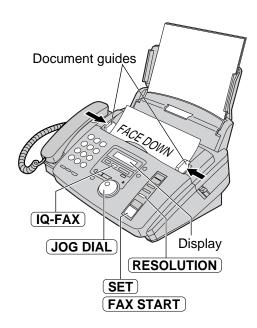
Note:

 If the number you dialed is out of the NetMoves network service area, the unit will show the following messages and send the fax directly over the telephone line.



SENT TO SERVER

If these messages are displayed when sending a fax long-distance or internationally using IQ-FAX, contact NetMoves at 1-888-332-9728.



If you cannot send a fax

Contact NetMoves at 1-888-332-9728.
 The NetMoves customer service center may send you a program update. While receiving this update, the following message will be displayed for about 3 minutes.

Display: LOADING IQ-DATA

- During this time, you will not be able to operate the unit or an extension telephone, if it is connected.
- •If a loading error occurs, the unit will display the following message.

LOADING ERROR

In this case, contact NetMoves at 1-888-332-9728.

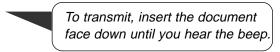
Sending a fax with the voice guide —

You can send documents by following the voice guide. After transmission, the voice guide will turn off automatically.

Display: | 1.SEND GUIDE

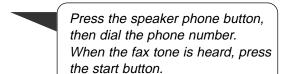
? Press **SET**.

Voice guide:

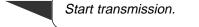


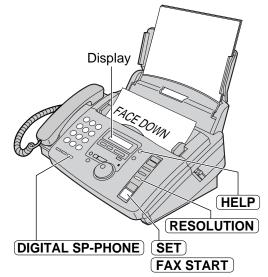
1 Insert the document FACE DOWN.

 If necessary, press <u>RESOLUTION</u> repeatedly to select the desired setting (p. 30).



- Press **DIGITAL SP-PHONE** .
 - You can also use the handset.
- **5** Dial the fax number.
- When a fax tone is heard, press FAX START).





One time broadcast transmission =

This feature is useful for sending the same document to selected parties whose fax numbers are stored in the JOG DIAL directory. If you only wish to send a document once, select the parties for each transmission.

Before programming, make sure that the desired stations have been stored in the JOG DIAL directory (p. 20).

Insert the document FACE DOWN.

• If necessary, press (RESOLUTION) repeatedly to select the desired setting (p. 30).

Rotate JOG DIAL until the following is displayed.

Display: | <ONE TIME BROAD>

Press SET.

DIR= [000]

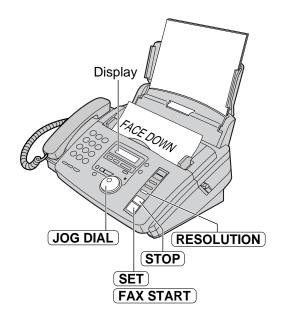
Rotate **JOG DIAL** until the desired name is displayed.

Example: Bill [000]

Press SET.

DIR=Bill [001]

- To program other stations, repeat steps 4 and 5 (up to 20 stations).
- Press (FAX START) after programming all of the desired stations.
 - The document will be fed into the unit and scanned into memory. The unit will then transmit the data to each station, calling each number sequentially.
 - After transmission, the stored document will be erased automatically, and the unit will automatically print a broadcast sending report (p. 39).



Note:

- •If you select the "FINE", "SUPER FINE" or "HALF TONE" resolution, the number of pages that the unit can transmit will decrease.
- If one of the stations is busy or does not answer, the station will be skipped. All skipped stations will be redialed up to 2 times after all of the other stations have been called.

To cancel the broadcast setting

 Press STOP while the unit displays the following message.

Display: BROADCASTING

• The display will show the following.

SEND CANCELED?

\$\dagger\$
YES:SET/NO:STOP

2. Press **SET**.

Broadcast transmission to pre-programmed parties =

This feature is useful for sending the same document often to selected parties whose fax numbers are stored in the JOG DIAL directory. First program the parties (see below) then see page 39 for transmission.

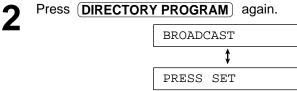
Before programming, make sure that the desired stations have been stored in the JOG DIAL directory (p. 20).

Programming the stations in the broadcast memory

[000]

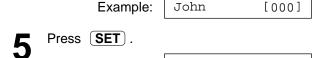
[001]











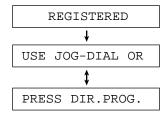
Example:

 To program other stations, repeat steps 4 and 5 (up to 20 stations).

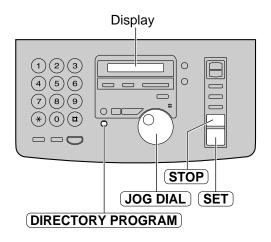
John

DIR=John

Press (SET) after programming all of the desired stations.



Press (STOP) to exit the program.

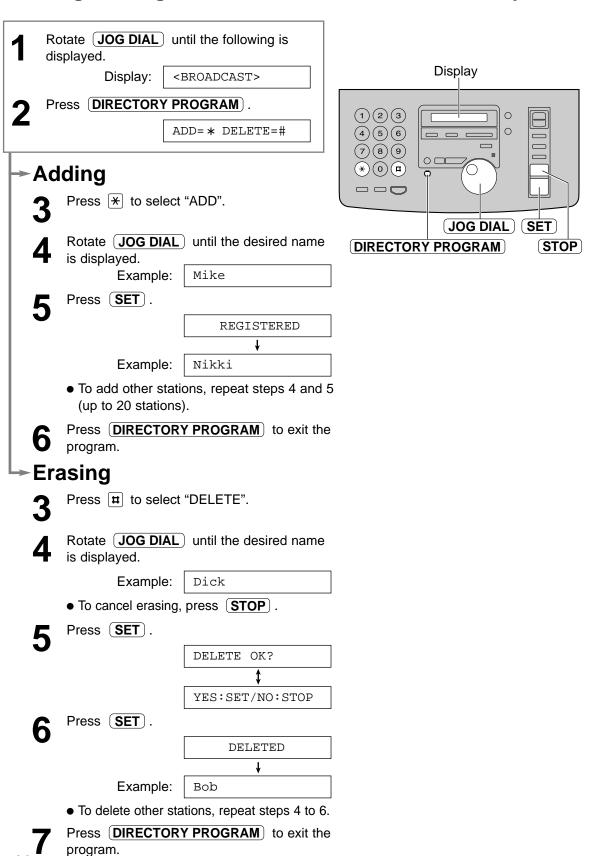


Note:

- If you enter the wrong station, press **STOP** after step 5 to erase the station.
- Confirm the stored numbers by printing a broadcast programming list (p. 81).

Sending Faxes

Adding/erasing a station in the broadcast memory



38

Sending to pre-programmed parties in the broadcast memory

The same document will be sent to the specific parties whose numbers are stored in broadcast memory.

The memory capacity is approx. 25 pages based on the ITU-T No. 1 Test Chart in standard resolution (p. 85).

Insert the document FACE DOWN.

• If necessary, press **RESOLUTION** repeatedly to select the desired setting (p. 30).

Rotate JOG DIAL until the following is displayed.

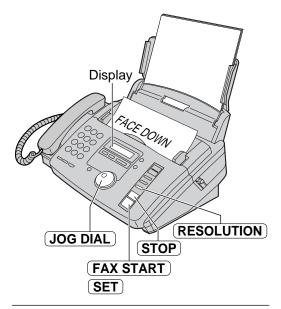
Display: <BROADCAST>

• Press (FAX START).

- The document will be fed into the unit and scanned into memory. The unit will then transmit the data to each station, calling each number sequentially.
- After transmission, the stored document will be erased automatically, and the unit will automatically print a broadcast sending report (see below).

Note:

- •If you select the "FINE", "SUPER FINE" or "HALF TONE" resolution, the number of pages that the unit can transmit will decrease.
- If one of the stations is busy or does not answer, the station will be skipped. All skipped stations will be redialed up to 2 times after all of the other stations have been called.



To cancel the broadcast setting

1. Press **STOP** while the unit displays the following message.

Display: BROADCASTING

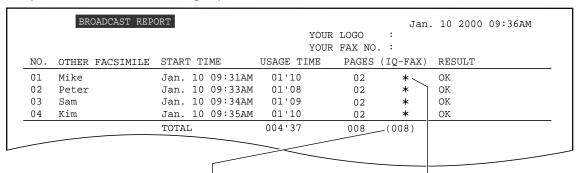
• The display will show the following.

SEND CANCELED?

\$\dagger\$
YES:SET/NO:STOP

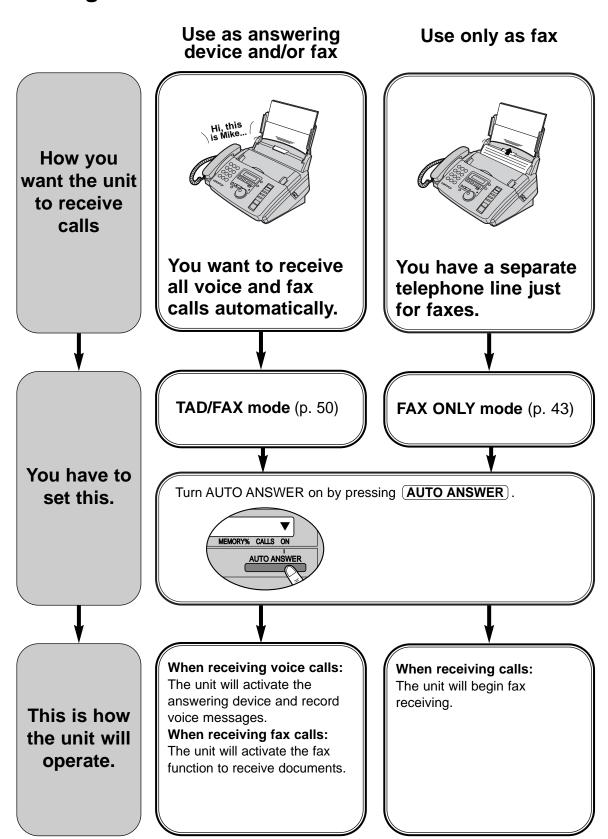
2. Press **SET**.

Sample of a broadcast sending report



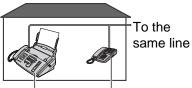
Total number of pages sent to the fax server of the NetMoves network (p. 33). The "*" mark shows the fax has been sent to the fax server of the NetMoves network (p. 33).

Setting the unit to receive faxes =



Voice mail service (Distinctive Ring)

2-number example



Facsimile No. Telephone No. (555-1333) (555-1111)

You need to subscribe to Distinctive Ring Service.

Setting the Distinctive Ring pattern (feature #31 on page 65)

Select the same ring pattern assigned to the facsimile number.

- A: Standard ring (one long ring)
- **B**: Double ring (two short rings)
- C:Triple ring (short-long-short rings)
- D:Other triple ring (short-shortlong rings)

When the fax machine detects a call matching the selected Distinctive Ring pattern: The fax machine will activate the fax function.

When the fax machine detects other ring patterns:

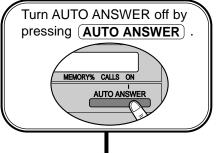
The fax machine will operate based on the AUTO ANSWER setting.

Mostly voice calls



You plan to answer the calls yourself.

TEL mode (p. 42)



When receiving calls:

You have to answer all calls manually.

To receive a fax document, press **FAX START** for each fax call.

Other options

With PC

If you have a computer attached to the same telephone line, see page 46.

TEL/FAX mode

If you are near the unit and want to use it to receive voice calls yourself and fax calls automatically, see pages 44 and 45.

Remote fax activation

You can also receive a fax from an extension phone. If you answer a call with an extension phone and hear the fax calling tone, press [*] [9] (pre-selected fax activation code) to receive a fax (p. 46).

Receiving Faxes

TEL mode ________(answering all calls manually)

Activating the TEL mode

If the arrow (\mathbf{V}) is shown on the right of the display, turn it off by pressing $\boxed{\mathbf{AUTO}\ \mathbf{ANSWER}}$.

Display:

TEL MODE

ON

Receiving a fax manually

- When the unit rings, press

 DIGITAL SP-PHONE or lift the handset to answer the call.
- When:
 - document reception is required,
 - a fax calling tone (slow beep) is heard, or
 - no sound is heard, press (FAX START).

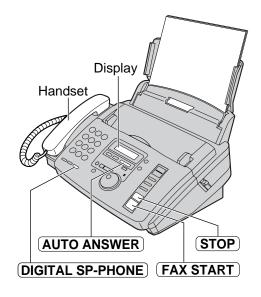
CONNECTING....

Replace the handset, if using it.

The unit will start fax reception.

Note:

- If you do not answer the call within 15 rings, the unit will temporarily activate the answering device.
- Up to 30 sheets of printed paper can be held. Remove the printed paper before it exceeds 30 sheets.



To stop receiving

Press **STOP**.

Friendly reception feature

When you answer a call and hear a fax calling tone (slow beep), the unit will automatically start fax reception.

• If this feature is not required, set feature #46 to "OFF" (p. 66).

Fax reception in memory

When a printing problem is detected, the unit will temporarily store the received document into memory.

While the document is in memory;

 the display will show an error message and the following message alternately.

Display:

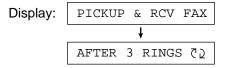
FAX IN MEMORY

- slow beeps will sound (memory reception alert).
 See feature #44 on page 66.
- Follow the instructions on pages 70 and 71 to solve the problem.
- For memory capacity, see page 85.

FAX ONLY mode _______(all calls are received as faxes)

Activating the FAX ONLY mode

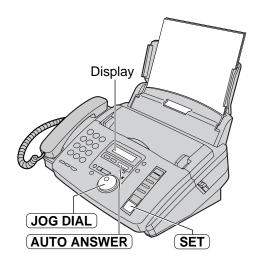
- Set feature #77 to "FAX ONLY" (p. 68).
- If the arrow (▼) is not shown on the right of the display, turn it on by pressing (AUTO ANSWER).
 - The display will show the number of rings before the unit answers a call in the FAX ONLY mode.



If necessary, rotate JOG DIAL until the desired ring count is displayed, and press SET.



 When receiving calls, the unit will automatically answer all calls and only receive fax documents.

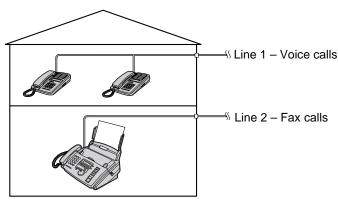


Note:

- •If the arrow (▼) is already shown on the right of the display and you wish to change the ring count, turn the arrow off once then on again by pressing (AUTO ANSWER) and follow the instructions in step 3.
- •This mode should not be used with a telephone line which is used for both voice and fax calls. Fax communication will be attempted even if someone is trying to call you.

If you have a telephone line just for faxes, we recommend the following setup.

Example: One telephone line is used for voice calls and a separate telephone line for faxes.

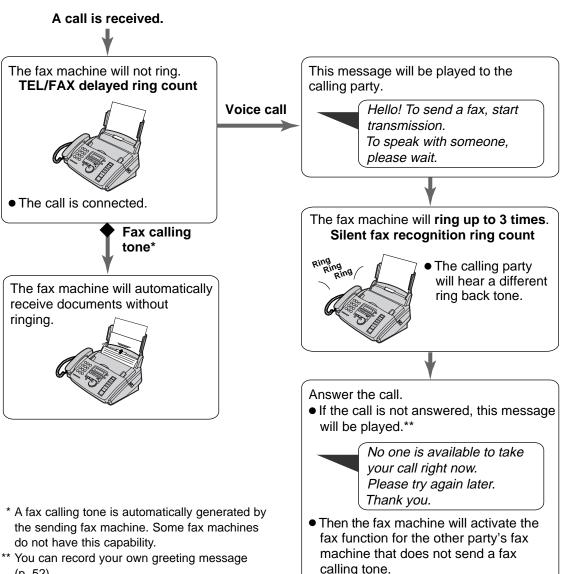


Only a fax machine is connected.

TEL/FAX mode ____

(receiving voice calls with rings and fax calls without rings when you are near the unit)

Use this mode when you are always near the fax machine, and want to receive faxes without ringing. When a call is received, the fax machine will work as follows. To set the TEL/FAX mode, see below.



(p. 52).

Note:

•The fax machine will display the following when a call is received.

> Display: INCOMING CALL

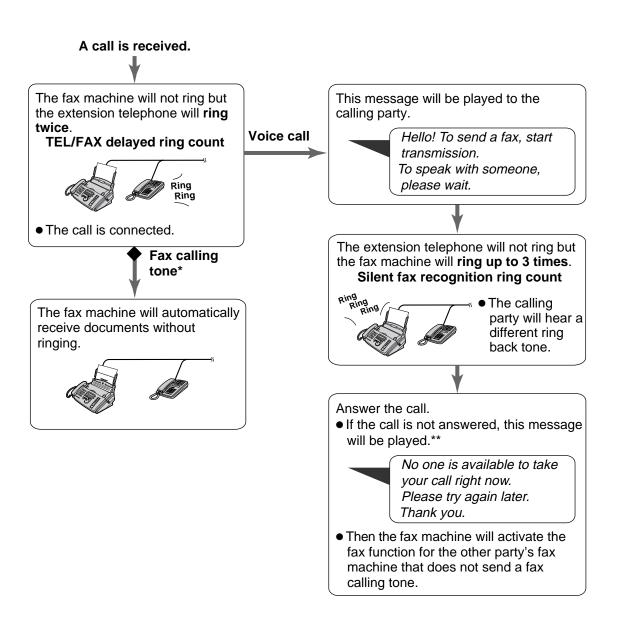
•The ringer should be on (p. 17).

To set the TEL/FAX mode

- 1. Set feature #77 to "TEL/FAX" (p. 68).
- 2. If the arrow (▼) is not shown on the right of the display, turn it on by pressing **AUTO ANSWER**.

Display: ▼

When an extension telephone is connected



TEL/FAX delayed ring count

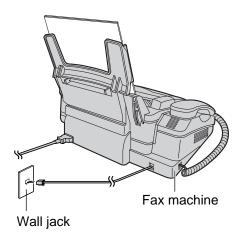
The number of rings generated before the fax machine answers depends on the setting of feature #78 on page 68. The fax machine will not generate an audible ring during this time.

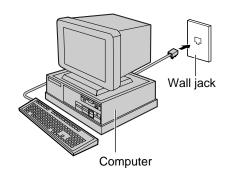
Silent fax recognition ring count

The fax machine generates audible rings to indicate that it is receiving a voice call. The number of rings generated depends on the setting of feature #30 on page 65. This signal will not ring at an extension telephone.

Using the unit with a computer —

We recommend you use separate wall jacks for the unit and the computer.





Note:

- Set the fax machine to the TEL mode.
- The device which has the shortest ring count will answer a call first.

Extension telephone =

If you use the fax machine with an extension telephone, you can receive fax documents using the extension telephone.

You do not have to press (FAX START) on the fax machine.

Important:

- Use a touch tone telephone as the extension telephone and enter the fax activation code firmly.
- When the extension telephone rings, lift the handset of the extension telephone.
- When:
 - document reception is required,
 - a fax calling tone (slow beep) is heard, or
 - no sound is heard,

press * 9 (pre-selected fax activation code) **firmly**.



Hang up the handset.

• The fax machine will start reception.

Note:

• You can change the fax activation code in feature #41 (p. 65).

Pager call - when the unit receives a fax or voice message _____

This feature allows your unit to call your pager when your unit receives a fax document or an incoming voice message.

• If you have subscribed to a Caller ID service, your pager will display the caller's telephone number before the number "11" or "22" (see below).



Press SET.

MODE=OFF 72

Rotate JOG DIAL to select "ON".

MODE=ON 72

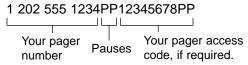
• If this feature is not required, select "OFF".



NO.=

Enter your pager number.
You can enter a total of 46 digits and/or pauses.

Example:



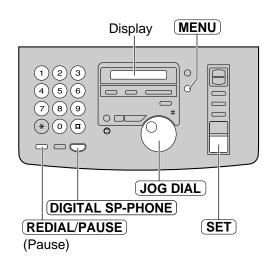
7 Press SET.

• The unit will dial the stored number.

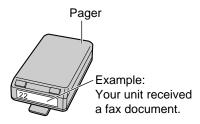
PAGER TEST

Check that your pager receives a pager test call.

Press **DIGITAL SP-PHONE**.



When your pager receives a pager call



Your pager will beep and display as follows;

- "11": when your unit receives a voice message.
- "22": when your unit receives a fax document.

Making a copy =

The unit can make single or multiple copies (up to 50). Any transmittable document (p. 31) can be copied.

- Adjust the width of the document guides to the size of the document.
- Insert the document (up to 10 pages) FACE DOWN until a single beep is heard and the unit grabs the document.

Display:

STANDARD

- Make sure the handset is on the cradle.
- If necessary, press **RESOLUTION** repeatedly to select the desired setting (p. 30).
- Press COPY START .

NUMBER=1 [100%]

- If necessary, enter the number of copies (up to 50).
- If necessary, choose an enlargement/ reduction rate by pressing COPY ZOOM.
 See next page.
- If you want to print collated (sorted) copies, press COLLATE until the following is displayed.

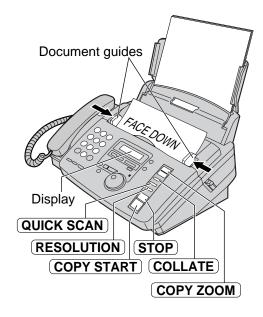
COLLATE=ON

4

Press (COPY START).

- The unit will start printing.
- If you want to remove the copy document for other uses, press QUICK SCAN instead of COPY START.
 The unit will feed the document and scan

The unit will feed the document and scan it into memory, then start printing.



Note:

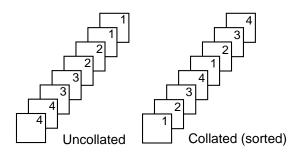
- If a resolution is not selected, "FINE" resolution will automatically be selected.
- You can make or receive a voice call while making copies.
- After copying, the enlargement/reduction rate setting will return to "100%".

To stop copying

Press **STOP**.

Printing collated (sorted) copies

Example: Making two copies of a 4-page original document

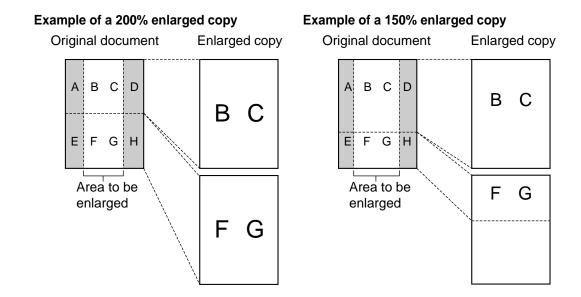


Note:

- If you turn the collating feature on, the unit will store the documents into memory. If memory becomes full while storing, the unit will only print out the stored pages.
- After copying, the collating feature will turn off automatically.

To enlarge a document

Select "200%" or "150%" by pressing **COPY ZOOM** (+). The unit will only enlarge the center part of the document and print it on two pages.



To reduce a document

The unit can reduce the original document.

Select the desired setting by pressing **COPY ZOOM** (–).

Recommended reduction rates:

Setting	Size of recording paper	Size of original document	
100% (default)	Letter	Letter	
100% (derauit)	Legal*	Letter, A4, Legal	
92%	Letter	A4	
86% Letter		A4	
72% Letter		Legal	

Letter = 216 mm x 279 mm $(8^{1}/2^{"} x 11^{"})$

Legal = 216 mm x 356 mm $(8^{1/2}$ " x 14")

A4 = 210 mm x 297 mm $(8^{1/4}$ " x $11^{11}/_{16}$ ")

*If you use legal size paper, please purchase a legal paper tray, Model No. KX-FA50 (p. 7) and install it (p. 10).

Note:

• If the appropriate reduction rate is not programmed, the document may be divided and the top of the second sheet will be deleted.

When the TAD/FAX mode is set, the unit will work as a fax machine and/or answering device. If a fax call is detected, the unit will automatically receive the fax. If a voice call is detected, the answering device will play a greeting message and the caller can leave a voice message.

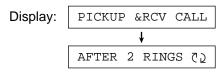
• You can use either the pre-recorded greeting messages (p. 51) or your own greeting message (p. 52).

Setting up the voice and fax message reception

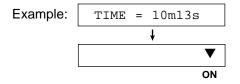
Set feature #77 to "TAD/FAX" (p. 68).

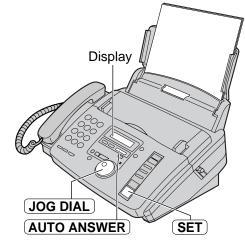
If the arrow (▼) is not shown on the right of the display, turn it on by pressing (AUTO ANSWER).

- The unit will play the greeting message.
- The display will show the number of rings before the unit answers a call in the TAD/FAX mode.



- If necessary, rotate JOG DIAL until the desired ring count (see below) is displayed, and press SET.
 - The remaining time for recording incoming messages will be displayed.





Note:

- If the arrow (▼) is already shown on the right of the display and you wish to change the ring count, turn the arrow off once then on again by pressing (AUTO ANSWER) and follow the instructions in step 3.
- The incoming message recording time can be changed (feature #10 on page 63).
- For voice memory capacity for incoming messages, see page 85.
- When the remaining time is low, erase unnecessary messages (p. 55).
- While an incoming call is being recorded, you can monitor it through the speaker. If this feature is not required, set to "OFF" (feature #67 on page 67).

Ring count in the TAD/FAX mode

You can choose from 1, 2, 3, 4, TOLL SAVER and RINGER OFF.

TOLL SAVER:

When you call the unit from a remote location, the number of rings will tell you if there are any new voice messages. If the unit answers on the second ring, there is at least one new recorded message. If the unit answers on the fourth ring, there are no new recorded messages. To save the toll charges for the call, hang up immediately when you hear the third ring. The third ring indicates that there are no new recorded messages.

RINGER OFF: The unit will answer without ringing.

- If you subscribe to a Caller ID service, set to 2 or more rings.
- You can also select the setting with programming feature #06 (p. 63).

50

Pre-recorded greeting messages

The unit has pre-recorded greeting messages. Depending on the situation, one of the following messages will be played to the caller. For your own greeting message, see page 52.

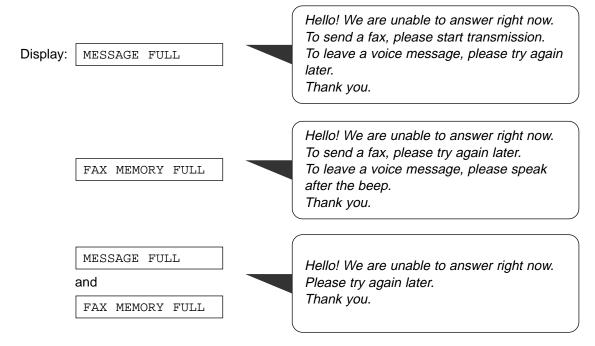
■ When the unit is ready to receive voice and fax calls:



Hello! We are unable to answer right now. To send a fax, please start transmission. To leave a voice message, please speak after the beep.

Thank you.

■ When voice or fax memory is full:



Note:

• To clear the problem, see pages 70 and 71.

Recording your own greeting messages =

You can record your own greeting messages for the TAD/FAX and TEL/FAX modes. When receiving a call, your own greeting message will be played instead of the pre-recorded message. The recording time will be limited to 16 seconds. We recommend you record your message within 12 seconds to make it easier to receive faxes.

Suggested messages

TAD/FAX greeting message	"This is (your name, business and/or telephone number). We are unable to answer right now. To send a fax, start transmission. To leave a message, speak after the beep. Thank you."
TEL/FAX greeting message	"This is (your name, business and/or telephone number). We are unable to answer right now. Please try again later. Thank you."

- Select the desired mode (TAD/FAX or TEL/FAX) where you want to record a greeting message (feature #77 on page 68).
- Press (**RECORD**) two times. • The display will show the following according to your selection in step 1.

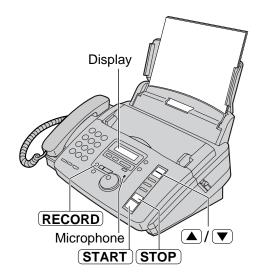
TAD/FAX mode: 2.TAD GREETING TEL/FAX mode: 2.T/F GREETING

PRESS START

- Press (START). A long beep will sound.
- Speak clearly about 20 cm (8 inches) away from the microphone.
 - The display will show the remaining recording time.

TAD/FAX mode: TAD REC. 15s TEL/FAX mode: T/F 15s REC.

When finished recording, press (STOP). The unit will repeat your message. Adjust the volume using \triangle or ∇ .



Note:

- If you make a mistake while recording, start again from step 2.
- You can choose 60-seconds for your own TAD/FAX greeting message (feature #54 on page 67).

Checking the greeting messages

- Select the desired mode (TAD/FAX or TEL/FAX) where you want to listen to a greeting message (feature #77 on page 68).
- If the arrow (▼) is not shown on the right of the display, turn it on by pressing (AUTO ANSWER).

If the arrow (\mathbf{V}) is shown on the right of the display, turn it off once then on again.

TAD/FAX mode: PICKUP &RCV CALL ↓

AFTER 2 RINGS ()

TEL/FAX mode:

TEL/FAX MODE

• The unit will play the greeting message.



Erasing your own recorded greeting messages ____

- Select the desired mode (TAD/FAX or TEL/FAX) where you want to erase the greeting message (feature #77 on page 68).
- **?** Press **ERASE** two times.
 - The display will show the following according to your selection in step 1.

TAD/FAX mode:

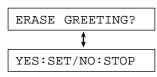
2.TAD GREETING

TEL/FAX mode:

2.T/F GREETING

PRESS START

? Press START.

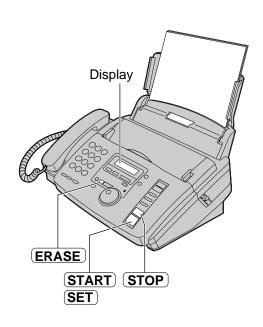


• To cancel erasing, press **STOP**.

Press SET.

GREETING ERASED

 When receiving a call, the pre-recorded greeting message will be played.



Incoming Messages

Listening to recorded messages =

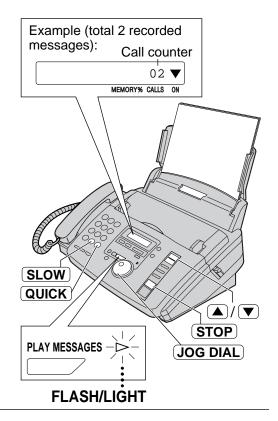
When the unit has recorded new voice messages:

- the PLAY MESSAGES indicator will flash,
- the call counter will show the total number of recorded messages, and
- slow beeps will sound if the message alert feature is activated (feature #42 on page 65).

Press (PLAY MESSAGES).

- Only the new recorded messages will be played.
- Adjust the speaker volume using ▲ or ▼.
- After playing back all of the new messages, the PLAY MESSAGES indicator will stop flashing and just light up.

If you press (**PLAY MESSAGES**) at this time, all the recorded messages will be played.



Repeating a message

Rotate **JOG DIAL** one click to the left while listening to the message.

- If you rotate <u>JOG DIAL</u> to the left within 5 seconds of the beginning of the message, the previous message will be played.
- To play back a specific message, rotate
 JOG DIAL to the left or right and search for the message you want to listen to.

Skipping a message

Rotate **JOG DIAL** one click to the right to play the next message.

Stopping playback

Press (STOP).

If you press PLAY MESSAGES within 1
minute, the unit will resume playing the rest of
the messages.

Changing the playback speed

Press **QUICK** to play messages at one and a half times the original speed.

Press **SLOW** to play messages at half the original speed.

 To return to the original speed, press QUICK or SLOW again during quick or slow playback.

Voice time/day stamp

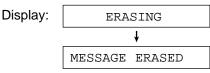
During playback, a synthesized voice will announce the time and day of the week that each message was recorded.

Erasing recorded messages =

Erase unnecessary messages to prevent memory from becoming full.

Erasing a specific message

Press **ERASE** while listening to the message you want to erase.



Erasing all the messages

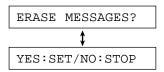
Check that you have listened to all of the recorded messages.

Press ERASE.

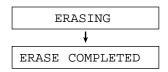
Display: 1.ALL MESSAGES

PRESS START

? Press **START**.



- To cancel erasing, press **STOP**.
- ? Press SET.



Note:

• Greeting messages can not be erased this way.



Recording

To leave a private message for yourself or someone else, you can record a voice memo. This memo can be played back later, either directly or remotely.

Press RECORD .

Display: 1.MEMO MESSAGE

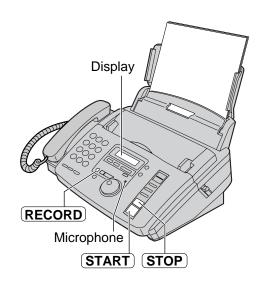
\$\Display = \Press Start \\
\$\Dis

Press START.

• A long beep will sound.

MEMO RECORDING

- 3 Speak cleary about 20 cm (8 inches) away from the microphone.
- When finished recording, press **STOP**.



Telephone conversation ==

You can record a telephone conversation. This conversation can be played back later, either directly or remotely.

During a telephone conversation, press (RECORD).

Display: 2WAY RECORDING

To stop recording, press **STOP** or replace the handset.

Note:

 There may be legal restrictions in your state on recording two-way telephone conversations. Inform the other party that the conversation is being recorded.



Operating from a remote location :

The following operations can be performed from a remote location using a touch tone telephone. Program the remote operation ID (feature #11 on page 63) and set the unit to the TAD/FAX mode before going out (p. 50).

Dial key	Remote command	
0	Skips the greeting message	59
1	Repeats a message	58
2	Skips a message	58
4	New message playback	58
5	All message playback	58
6	Room monitor	59
7	Re-records a greeting message	59
9	Stops re-recording of a greeting message	59

Dial key	Remote command	Page
*4	Erases a specific message	59
*5	Erases all messages	
80	Changes to the TEL mode	59
81	Turns ON message transfer	59
82	Turns OFF message transfer	59
83	Turns ON pager call	59
84	Turns OFF pager call	59

Remote operation card

Please cut out and carry this card for assistance when using the remote operation.

Answering Device Remote Operation

- 1. Call your unit.
- Enter the remote operation ID during the greeting message.
 - The new messages will be played automatically.
 - If there are no new messages, wait for 4 seconds. All the messages will be played back.
- 3. Press the remote command key(s) within 10 seconds (see the reverse side).

Notice of Remote Operation

- The remote operation is available only from a touch tone telephone when the unit is in the TAD/FAX mode.
- When the unit is in the TEL mode, call your unit and wait for 15 rings. The answering device will temporarily answer the line. Enter the remote operation ID during the greeting message. The unit will switch to the TAD/FAX mode.
- When you press a key, press firmly.
- To send a document, press
 9. When a fax tone is heard, start transmission.

Remote Operation

Operation from a remote touch tone telephone ===

Listening to recorded messages

Call your unit.

9 Enter the remote operation ID during the TAD/FAX greeting playback.

When there are new recorded messages

The voice guide will tell you the number of new recorded messages and they will be played automatically.

Voice guide example:



3 new messages.

- To repeat only the new messages: Press 4.
- To repeat the current message: Press 1.

If you press 1 within 5 seconds of the beginning of a message, the previous message will be played.

- To listen to all the messages: Press 5.
- To skip a message: Press 2.

When there are no new recorded messages



No new messages.

Press **5** or wait for 4 seconds to listen to all the messages.

When voice memory is full



Sorry, no more memory. Please erase unnecessary messages.

Erase some or all of the messages (see next page).

Key	Remote command	
0	Skips the greeting message	
1	Repeats a message	
2	Skips a message	
4	New message playback	
5	All message playback	
6	Room monitor	
7	Re-records a greeting message	
9	Stops re-recording of a greeting message	

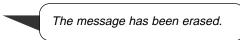
Key	Remote command	
*4	Erases a specific message	
*5	Erases all messages	
80	Changes to the TEL mode	
81	Turns ON message transfer	
82	Turns OFF message transfer	
83	Turns ON pager call	
84	Turns OFF pager call	

Other remote operations

■ Erasing a specific message

Press * 4 while listening to the message you want to erase.

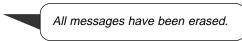
Voice guide example:



 A long beep will also sound. The unit will then play back the next message.

■ Erasing all the messages

Press * 5 to erase all the messages.



A long beep will also sound.

■ Monitoring the room

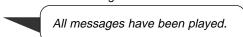
Press **6** to monitor the sound for about 30 seconds in the room where the unit is installed.

• After 30 seconds, a beep sounds. To continue monitoring, press 6 again within 10 seconds.

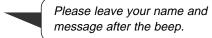
■ Recording a marker message

You can leave an additional message.

1. Wait for the voice guide.



2. Wait about 10 seconds.



3. Leave a message after the beep.

■ Re-recording a greeting message

You can change the contents of the TAD/FAX greeting message.

- **1.** Press **7** to start recording.
 - A long beep will sound.
- 2. Speak clearly up to 16 seconds.
 - If you pause for over 2 seconds, 6 beeps will sound and the recording will stop.
 Repeat from step 1 within 10 seconds.
- **3.** When finished recording, press [9].
 - The new greeting message will be played.

■ Skipping the greeting message

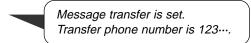
Press **0** during the greeting message playback.

 The unit will skip the rest of the greeting message.

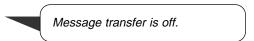
■ Turning the message transfer on or off

You must pre-program a transfer telephone number beforehand (feature #60 on page 67).

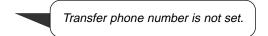
Press 8 1 to turn ON the message transfer.



Press 8 2 to turn OFF the message transfer.



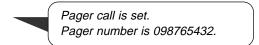
 If a transfer telephone number is not programmed, you cannot turn this feature ON.



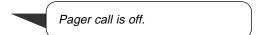
■ Turning the pager call on or off

You must program a pager number beforehand (feature #70 on page 47).

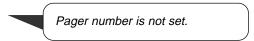
Press **8 3** to turn ON the pager call.



Press **8 4** to turn OFF the pager call.



 If a pager number is not programmed, you cannot turn this feature ON.



■ Changing the receive mode

Press **8 0** to change the receive mode from TAD/FAX to TEL.

 You cannot return to the TAD/FAX mode in the same call. To return to the TAD/FAX mode, see below.

■ Returning to the TAD/FAX mode

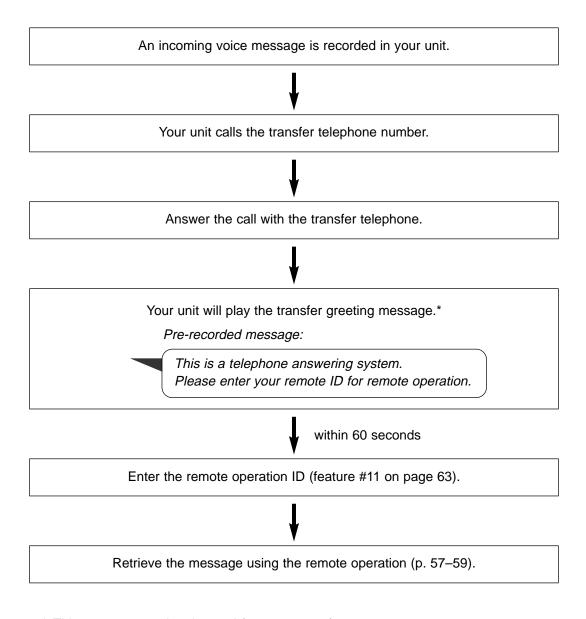
- 1. Call your unit and wait for 15 rings.
 - The answering device will temporarily answer the call.
- **2.** Enter the remote operation ID during the greeting message.
 - Your unit will switch to the TAD/FAX mode.

Option

Transferring recorded messages to another telephone

This feature allows your unit to call a designated telephone number each time an incoming voice message is recorded. You can retrieve the transferred message during the same call using the remote operation.

Program the transfer telephone number first (feature #60 on page 67) and set to the TAD/FAX mode.



^{*} This message can be changed (see next page).

Recording your own transfer greeting message

The recording time is limited to 16 seconds.

Suggested message

"This is a transferred message from (your name, business and/or telephone number). Please enter your remote ID for remote operation."

- Press MENU.
 - Display: 1

1.SYSTEM SET UP

9 Press **#**, then **6 1**.

TRNS-GREETING

? Press SET.

CHECK 72

Rotate JOG DIAL to select "RECORD".

RECORD (2)

Fress SET.

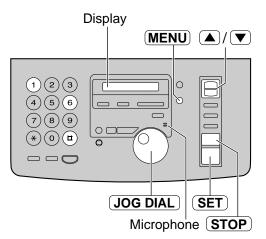
TRNS REC. 16s

- Speak clearly about 20 cm (8 inches) away from the microphone.
 - The display will show the remaining recording time.

Example:

TRNS REC. 15s

- When finished recording, press STOP.
 - The unit will repeat your message.
 Adjust the volume using or
- Press MENU.



To check your transfer greeting message

- 1. Press (MENU), #61, then (SET).
- 2. Rotate (JOG DIAL) to select "CHECK".
- 3. Press SET.
 - The unit will play your message.
- 4. Press MENU.

To erase your transfer greeting message

- 1. Press (MENU), #61, then (SET).
- 2. Rotate **JOG DIAL** to select "ERASE".
- 3. Press SET.
 - Your own message will be erased.
- 4. Press MENU.
 - The pre-recorded greeting message will be played when transferring a call.

Programming

The unit provides various programming features. Program the desired setting by referring to the programming tables (p. 63–68).

General programming method

Press MENU.

Display: | 1.SYSTEM SET UP

ADVANCED MODE

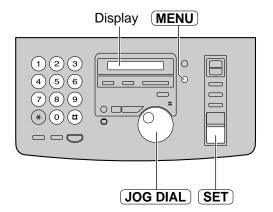
Select the feature you wish to program.

■ For basic features (p. 63)
Rotate JOG DIAL until the desired feature is displayed.

■ For advanced features (p. 64–68)
Rotate JOG DIAL until the following is displayed.

Press **SET** and rotate **JOG DIAL** until the desired feature is displayed.

- Press (SET).
 The current setting of the feature will be displayed.
- Rotate JOG DIAL until the desired setting is displayed.
 - This step may be slightly different depending on the feature.
- Press (SET).
 The setting you selected is set, and the next feature will be displayed.
- To exit programming, press MENU.



Programming by entering the program code number directly

You can select a feature by directly entering the program code (# and 2-digit number) instead of using (JOG DIAL).

- 1. Press MENU).
- 2. Press # and the 2-digit code number.
- 3. Follow steps 3 to 6 above.
- See programming tables (p. 63-68) for codes.

To cancel programming

Press **MENU** to exit the program.

Basic features _____

Programming table

Code	Display & Feature	Settings	How the unit operates
#01	SET DATE & TIME To set the date and time	mm/dd/yy hh:mm (2 digits for each entry)	See page 13 for details.
#02	YOUR LOGO To set your logo	(Up to 30 characters)	See pages 14 and 15 for details.
#03	YOUR FAX NO. To set your facsimile telephone number	(Up to 20 digits)	See page 16 for details.
	SENDING REPORT	ERROR	"ERROR": The sending report will be printed only when fax
#04	To print and check the sending report for fax transmission results	ON	transmission fails (p. 32). "ON": The sending report will be
		OFF	printed after every transmission.
	TAD RING COUNT	1, 2 , 3, 4	This setting is also available after activating the TAD/FAX mode.
	To change the number of rings before the unit answers a call in the TAD/FAX mode FAX RING COUNT To change the number of rings before the unit answers a call in the FAX ONLY mode	TOLL SAVER	See page 50 for details.
#06		RINGER OFF	
#00		1, 2, 3 , 4	This setting is also available after activating the FAX ONLY mode (p. 43).
	RECORDING TIME	vox	"VOX": Unlimited "1 MIN": Up to 1 minute
#10	To change the recording time for an incoming message	1 MIN	T Milet I Op to T militate
#11	REMOTE TAD ID To operate the answering device from a remote location	ID = 111	 Follow steps 1–3 on page 62. Enter any 3–digit number except a number using 0 or 7. Press SET . Press MENU .
#13	DIALING MODE If you cannot dial, change the	TONE	"TONE": For tone dial service. "PULSE": For rotary pulse dial service.
πΙΟ	setting depending on your telephone line service.	PULSE	

Advanced features —

How to set menu options

- 1. Press (MENU).
- **2.** Rotate **JOG DIAL** until the following is displayed.

Display: ADVANCED MODE

Press **SET** and rotate **JOG DIAL** until the desired feature is displayed.

- 3. Press (SET).
- **4.** Rotate **JOG DIAL** until the desired setting is displayed.
- **5.** Press **SET**.
- 6. Press MENU.

Note:

- Step 4 may be slightly different depending on the feature.
- •See page 62 for more details.

Programming table

Code	Display & Feature	Settings	How the unit operates
#22	AUTO JOURNAL	ON	"ON": The unit will print the journal report automatically after every 30
	To print the journal report automatically for fax communications	OFF	new fax communications (p. 32).
	OVERSEAS MODE If you have difficulty sending an	NEXT FAX	"NEXT FAX": For the next attempted fax transmission. After transmission, the unit will return to the previous setting.
#23	overseas fax, activate this feature before starting transmission. This feature makes sending documents easier as the transmission speed is slowed down.	ERROR	"ERROR": When previous fax transmission fails and you redial the same number.
		OFF	 This feature is not available for broadcast transmission. The calling charge may be higher.
#25	To send a fax automatically at a specified time. This allows you to take advantage of low-cost calling hours offered by your telephone company.	ON / fax no. / hh:mm	To send a document: 1. Insert the document. 2. Follow steps 1–3 above. 3. Rotate JOG DIAL to select "ON". 4. Press SET . 5. Enter the fax number. 6. Press SET .
#23	 The setting can be reserved to take place up to 24 hours in advance. 	OFF	 7. Enter the transmission start time. Press ★ to select "AM" or "PM". 8. Press SET . 9. Press MENU . To cancel after programming, press STOP then SET .

Code	Display & Feature	Settings	How the unit operates	
#26	AUTO CALL. LIST	ON	"ON": The unit will print the Caller ID list automatically after every 30	
#20	To print the Caller ID list automatically	OFF	new calls (p. 25).	
#30	SILENT FAX RING To change the number of rings when the unit detects a voice call in the TEL/FAX mode	3 , 4, 5, 6	See pages 44 and 45 for details.	
	RING DETECTION If you subscribe to a Distinctive Ring Service (Identa-Ring) from your telephone company, activate	A, B , C, D	Select the ring pattern to be assigned to the facsimile number. A: Standard ring (one long ring) B: Double ring (two short rings) C: Triple ring (short-long-short rings)	
#31	this feature. This feature is also required for voice mail service.	OFF	D: Other triple ring (short-short-long rings) For more information about telephone services, contact your telephone company.	
	RCV REDUCTION	100%	Setting Recording paper Original document	
#36	If the size of the document sent by the other party is as large as, or	92%	100% Legal Letter, A4 Letter Letter 92%	
#30	larger than the recording paper, the unit can reduce and print the document.	86%	Legal Legal 86% Letter A4	
	Select the desired reduction rate.	72%	72% Letter Legal	
#39	LCD CONTRAST	NORMAL	"NORMAL": For normal contrast "DARKER": Used when the display	
#33	To adjust the display contrast	DARKER	contrast is too light.	
#41	FAX ACTIVATION If you use an extension telephone and wish to use it to receive a fax,	ON / CODE= * 9	 Follow steps 1–3 on page 64. Rotate JOG DIAL to select "ON". Press SET . Enter your code from 2 to 4 digits, 	
<i>n</i> - 1 1	activate this feature, and enter the code (p. 46).	OFF	using 0–9 and *. 5. Press SET . 6. Press MENU . • Do not enter "0000".	
ш40	MESSAGE ALERT	ON	If you hear slow beeps, press PLAY MESSAGES and listen to	
#42	To alert you with beeps when a new voice message is recorded	OFF	recorded messages (p. 54). The beeps will stop.	

Advanced features (cont.)

How to set menu options

- 1. Press MENU.
- **2.** Rotate **JOG DIAL** until the following is displayed.

Display: ADVANCED MODE

Press **SET** and rotate **JOG DIAL** until the desired feature is displayed.

- 3. Press (SET).
- **4.** Rotate **JOG DIAL** until the desired setting is displayed.
- **5.** Press **SET**.
- 6. Press MENU.

Note:

- Step 4 may be slightly different depending on the feature.
- •See page 62 for more details.

Programming table (cont.)

Code	Display & Feature	Settings	How the unit operates
#43	REC. TIME ALERT To alert you with beeps when there is less than 60 seconds of remaining recording time.	ON	If you hear slow beeps, erase the recorded messages (p. 55). The
		OFF	beeps will stop.
	RECEIVE ALERT	ON	If you hear slow beeps, clear the printing problem or supply paper to
#44	#44 To alert you with beeps when a received document is stored into memory due to a problem.	OFF	print the stored document. The beeps will stop.
#46	FRIENDLY RCV To receive a fax automatically when you answer a call and hear a fax calling tone (slow beep).	ON	"ON": You do not have to press FAX START for fax reception.
		OFF	
	If you wish to hear the voice guidance (see right) at each fax transmission/reception, set this feature to "ON". To hear the voice guidance only when fax transmission/reception fails, select "ERROR".	ON	Voice guidance example: "Start transmission." "Please hang up the handset for transmission." "Transmission is complete." "Transmission has failed."
		OFF	
#47		ERROR	"Transmission has been interrupted." "Start reception." "Please hang up the handset for reception." "Reception is complete." "Reception has failed." "Reception has been interrupted."

Code	Display & Feature	Settings	How the unit operates
#54	GREETING TIME To change the recording time for your own TAD/FAX greeting message (p. 52)	16s	 "16s": Up to 16 seconds "60s": Up to 60 seconds If you change to 60 seconds, we recommend that you tell the caller in your own greeting message to press *9 before starting fax
		60s	transmission. If you change to 16 seconds from 60 seconds, your own recorded greeting message will be deleted and will be played the prerecorded message.
#60	MESSAGE TRANS. To transfer a recorded incoming message to another telephone	ON	 Follow steps 1–3 on page 66. Rotate JOG DIAL to select "ON". Press SET . Enter the transfer telephone number.
#60	(p. 60)	OFF	 number. 5. Press SET. 6. Press MENU. This feature can be turned on/off from a remote location (p. 59).
	TRNS-GREETING To check, record or erase a transfer	CHECK	See page 61 for details.
#61		RECORD	
	greeting message	ERASE	
#67	ICM MONITOR To hear an incoming message	ON	If you select "OFF", you cannot monitor the incoming message.
#67	(ICM) from the speaker when the answering device is recording the message.	OFF	
470	PAGER CALL If you have a pager and wish to	ON	See page 47 for details.
#70	know when your unit receives a fax or an incoming message, activate this feature.	OFF	
,,	IQ-FAX	ON	See pages 33 and 34 for details.
#75	To apply to the NetMoves Global Fax Network and activate the IQ-FAX function	OFF	

Advanced features (cont.) ____

How to set menu options

- 1. Press (MENU).
- **2.** Rotate **JOG DIAL** until the following is displayed.

Display: ADVANCED MODE

Press **SET** and rotate **JOG DIAL** until the desired feature is displayed.

- 3. Press (SET).
- **4.** Rotate **JOG DIAL** until the desired setting is displayed.
- **5.** Press **SET**.
- 6. Press MENU.

Note:

- Step 4 may be slightly different depending on the feature.
- See page 62 for more details.

Programming table (cont.)

Code	Display & Feature	Settings	How the unit operates
#76	If you often have trouble when sending a fax, this feature allows you to hear connecting tones; fax tone, ring back tone and busy tone.	ON	You can confirm the status of the other party's machine. If the ring back tone continues, the other party's machine may not be a facsimile or may have run out of paper. Check with the other party. The connecting tone volume cannot be adjusted.
		OFF	
#77	AUTO ANSWER To change the receive mode in the AUTO ANSWER setting	TAD/FAX	"TAD/FAX": Telephone Answering Device/Facsimile mode (p. 50) "FAX ONLY": Facsimile only mode
		FAX ONLY	(p. 43) "TEL/FAX": Telephone/Facsimile mode (p. 44, 45)
		TEL/FAX	If you select "TEL/FAX", the unit will print an information list. If you select "TEL/FAX", the unit will print an information list.
#78	If you use an extension telephone in the TEL/FAX mode, select the desired number of rings to be generated before the unit answers.	1, 2 , 3, 4	See pages 44 and 45 for details.
#80	SET DEFAULT To reset the advanced features to their default settings	YES	 Follow steps 1–3 above. Rotate JOG DIAL to select "YES".
		NO	3. Press SET . 4. Press SET again. 5. Press MENU .

(The pre-selected setting is in bold type.)

Reports =

If your unit cannot send a fax, check the following.

- The number you dialed is correct.
- The other party's machine is a facsimile.

If the problem remains, correct it by following the communication message printed on the sending and journal reports (p. 32).

Communication message	Error code	Cause & Remedy
COMMUNICATION ERROR	40–42 46–52 58, 65 68, 72 FF	A transmission or reception error occurred. Try again or check with the other party.
	43 44	An overseas transmission error occurred. Try using the overseas mode (feature #23 on page 64).
DOCUMENT JAMMED	_	The document is jammed. Remove the jammed document (p. 77).
ERROR-NOT YOUR UNIT	54 59 70	A transmission or reception error occurred because of a problem with the other party's fax machine. Check with the other party.
MEMORY FULL	_	The document was not received due to memory being full.
NO DOCUMENT	_	The document was not fed into the unit properly. Reinsert the document and try again.
OTHER FAX NOT RESPOND	_	 The other party's fax machine is busy or has run out of recording paper. Try again. The document was not fed properly. Reinsert the document and try again. The other party's fax machine rings too many times. Send a fax manually – dial the number, confirm the fax tone, and press FAX START. The other party's machine is not a facsimile. Check with the other party. The number you dialed is not in service.
PRESSED THE STOP KEY	_	STOP was pressed and fax communication was canceled.
THE COVER WAS OPENED	_	The covers were opened. Close them and try again.
ОК		Fax communication was successful.

Error Messages

Display _____

If the unit detects a problem, one or more of the following messages will appear on the display.

Display message	Cause & Remedy
CALL SERVICE	There is something wrong with the unit. Contact our service personnel.
CALL SERVICE2	
COVER OPEN	The covers are open. Close them.
CHECK FILM	 The ink film is empty. Replace the ink film with a new one (p. 78, 79). The ink film is not installed. Install it (p. 78, 79). The ink film is slack. Tighten it (see step 6 on page 79).
CHECK DOCUMENT	• The document is not fed into the unit properly. Reinsert the document. If misfeeding occurs frequently, clean the document feeder rollers (p. 80) and try again. If the problem remains, adjust the feeder pressure (p. 77).
CHECK MEMORY	Memory (telephone numbers, parameters, etc.) has been erased. Re-program.
CHECK PAPER	 The recording paper is not installed or the unit has run out of paper. Install paper and press SET to clear the message. The recording paper is not fed into the unit properly. Reinstall paper (p. 11) and press SET to clear the message. The recording paper has jammed near the recording paper entrance. Clear the jammed paper (p. 76) and press SET to clear the message. Do not install folded or heavily curled paper.
FAX IN MEMORY	The unit has a document in memory. See the other displayed message instructions to print out the document.
FAX MEMORY FULL	 Memory is full of received documents due to a lack of recording paper or a recording paper jam etc. Install paper or clear the jammed paper. When performing memory transmission, the document being stored exceeds the memory capacity of the unit. Transmit the entire document manually.
JOG-DIAL FULL	There is no space to store new stations in the JOG DIAL directory. Erase unnecessary stations (p. 22).
LOADING ERROR	A loading error occurred while receiving data from NetMoves. Contact NetMoves at 1-888-332-9728.

Error Messages

Display message	Cause & Remedy
MEMORY FULL	When making a copy, the document being stored exceeds the memory capacity of the unit. Press STOP to clear the message. Divide the document and try again.
MESSAGE FULL	There is no room left in memory to record a voice message. Erase unnecessary messages (p. 55).
MODEM ERROR	There is something wrong with the modem circuit. Contact our service personnel.
NO FAX REPLY	The other party's fax machine is busy or has run out of recording paper. Try again.
PAPER JAMMED	• A recording paper jam occurred. Clear the jammed paper (p. 76).
PLEASE WAIT	The unit is checking that there is no slack on the ink film. Wait for a while.
REDIAL TIME OUT	The other party's fax machine is busy or has run out of recording paper. Try again.
REMOVE DOCUMENT	 The document is jammed. Remove the jammed document (p. 77). Attempted to transmit a document longer than 600 mm (23%"). Press STOP to remove the document. Divide the document into two or more sheets and try again.
TRANSMIT ERROR	A transmission error occurred. Try again.
UNIT OVERHEATED	The unit is too hot. Let the unit cool down.

Operations

When a function does not work, check here before requesting help ______

General

Problem	Cause & Remedy			
I cannot make and receive calls.	 The power cord or telephone line cord is not connected. Check the connections (p. 12). If you used a splitter to connect the unit, remove the splitter and connect the unit to the wall jack directly. If the unit operates properly, check the splitter. 			
I cannot make calls.	 The dialing mode setting is wrong. Change the setting of feature #13 (p. 63). 			
The unit does not work.	Disconnect the unit from the telephone line and connect the line to a known working telephone. If the working telephone operates properly, contact our service personnel to have the unit repaired. If the working telephone does not operate properly, contact your telephone company.			
The unit does not ring.	 The ringer volume is set to off. Adjust it to a suitable level (p. 17). The TAD ring count of feature #06 is set to "RINGER OFF". Change to another ring count (p. 63). 			
The unit displays the following message though the paper is inserted. CHECK PAPER	The paper is inserted halfway. Insert it correctly (p. 11) and press			
The other party complains they only hear a fax tone and cannot talk.	The FAX ONLY mode is set. Tell them the number is only used for faxes or change to TAD/FAX, TEL or TEL/FAX mode (p. 40, 41).			
The REDIAL/PAUSE button does not function properly.	 If this button is pressed during dialing, a pause will be inserted. If pressed immediately after a dial tone is obtained, the last number dialed will be redialed. 			
The receive mode does not function as explained on pages 40 and 41.	 A Distinctive Ring pattern of feature #31 is set (p. 65). The TEL/FAX mode is set (p. 44, 45). 			
During programming, I cannot enter the code or ID number.	• All or part of the numbers are the same. Change the code or ID number of features #11 (p. 63) and #41 (p. 65).			
The ink film runs out quickly.	The HELP printing function, copy function, and reports also use ink film.			
The unit beeps.	• Recording paper or ink film has run out. Press STOP to stop the beeps and install paper/ink film.			
The speakerphone is not working.	 Use the speakerphone in a quiet room. If you have difficulty hearing the other party, adjust the volume using or . If you and the other party speak at the same time, parts of your conversation will be cut off. Speak alternately. 			

Operations

Fax - sending

Problem	Cause & Remedy
I cannot send documents.	 The other party's fax machine is busy or has run out of recording paper. Try again. The other party's machine is not a facsimile. Check with the other party. The other party's fax machine rings too many times. Send a fax manually – dial the number, confirm the fax tone, then press FAX START .
The other party complains that letters on their received document are distorted or not clear.	 If your line has special telephone services such as call waiting, the service may have been activated during fax transmission. Connect the unit to a line that does not have these services. The extension telephone on the same line is off the hook. Hang up the extension telephone and try again. Try copying the document. If the copied image is clear, there may be something wrong with the other party's machine.
The other party complains that dirty patterns or black lines appear on their received document.	• The glass or rollers are dirty. Clean them (p. 80).
I cannot make an international fax call.	 Use the overseas transmission mode of feature #23 (p. 64). Add two pauses at the end of the telephone number (p. 19) or dial manually.

Fax - receiving

Problem	Cause & Remedy		
I cannot receive documents automatically.	 The receive mode is set to the TEL mode. Set to the TAD/FAX, FAX ONLY or TEL/FAX mode (p. 40, 41). The time taken to answer the call is too long. Decrease the number of rings of features #06 (p. 63), #30 (p. 65) and #78 (p. 68). The greeting message is too long. Shorten the message (p. 52). 		
The display shows the following message but faxes are not received. CONNECTING	The incoming call is not a fax. Change the receive mode to the TEL or TAD/FAX mode (p. 40, 41).		
The recording image is faint.	 The other party sent a faint document. Ask them to send a clearer copy of the document. The thermal head is dirty. Clean it (p. 80). 		

(continued)

Operations

Fax – receiving (cont.)

Problem	Cause & Remedy
The printing quality is poor.	 Some paper has instructions recommending which side to print on. Try turning the paper over. We recommend smooth paper such as Hammermill[®] Jet Print for clearer printing. Check the document of the other party.
A blank sheet is ejected.	 If a blank sheet is ejected after the received document is printed out, the receiving reduction rate is not programmed correctly. Program the proper rate in feature #36 (p. 65). The other party placed the document in their fax machine the wrong way. Check with the other party.

Receive mode

Problem	Cause & Remedy
I cannot select the desired receive mode.	 If you want to set the TAD/FAX, FAX ONLY or TEL/FAX mode: Select the desired mode using feature #77 (p. 68), and Press AUTO ANSWER to turn on the arrow (▼) on the right of the display. Display: ▼ ON If you want to set the TEL mode: Press AUTO ANSWER to turn off the arrow (▼) on the right of the display. ON
The other party complains that they cannot send a document.	 The unit is not in AUTO ANSWER mode. Press AUTO ANSWER to turn on the arrow (▼) on the right of the display.

Copying

Problem	Cause & Remedy
The unit does not make a copy.	 You cannot make a copy during programming. Make the copy after programming or stop the programming.
A dirty pattern or a black line appears on the copied document.	The glass or rollers are dirty. Clean them (p. 80).

(continued)

Copying (cont.)

Problem	Cause & Remedy		
The copied image is distorted.	• The thermal head is dirty. Clean it (p. 80).		
The printing quality is poor.	 Some paper has instructions recommending which side to print on. Try turning the paper over. We recommend smooth paper such as Hammermill[®] Jet Print for clearer printing. 		
The printing is faint. Original Copy ABC ABC	You may have used paper with a cotton and/or fiber content that is over 20%, such as letterhead or resume paper. We recommend smooth paper such as Hammermill® Jet Print for clearer printing.		

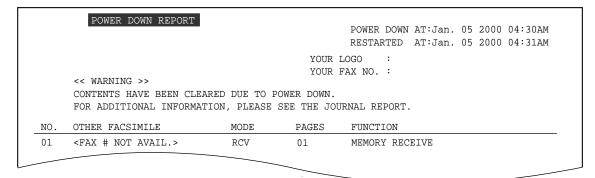
Answering device

Problem	Cause & Remedy
New messages cannot be recorded in the TAD/FAX mode.	 The memory is full. Erase unnecessary messages (p. 55, 59)
I cannot retrieve recorded messages from a remote location.	Press the remote operation ID correctly and firmly (p. 58)

If a power failure occurs =

- The unit will not function.
- Fax transmission and reception will be interrupted.
- If delayed transmission of feature #25 (p. 64) is programmed and the start time has passed during a power failure, transmission will be attempted soon after power is restored.
- If fax documents are stored in memory, they will be lost. When power is restored, a power down report will be printed out stating which contents in memory have been erased.

Sample of a power down report



Recording paper jam ===

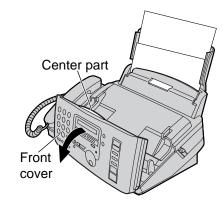
If the unit does not eject any recording paper during fax reception or copying, the recording paper has jammed and the display will show the following message.

Display:

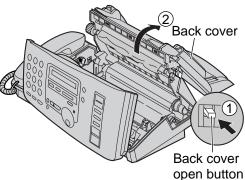
PAPER JAMMED

Remove the jammed paper as follows.

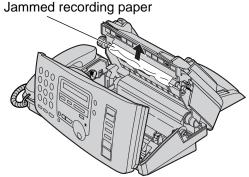
Open the front cover by pulling up the center part.



Push the back cover open button (1) and open the back cover (2).



Remove the jammed recording paper.



If the ink film is slack, tighten it by winding the gear.

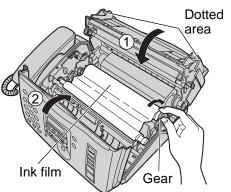
Incorrect

Correct



Tight

Close the back cover securely by pushing down on the dotted area at both ends (1). Close the front cover securely (2).



Sending document jams ____

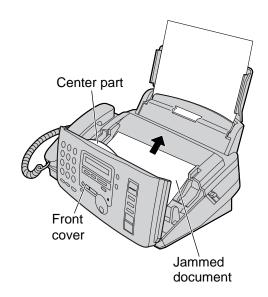
If the unit does not release the document during feeding, remove the jammed document as follows.

- Open the front cover by pulling up the center part.
- Remove the jammed document carefully.
- Close the front cover securely.



 Do not pull out the jammed paper forcibly before opening the front cover.





Sending document does not feed, or multi-feeds ____

If no feeding or multiple feeding occurs frequently, adjust the feeder pressure.

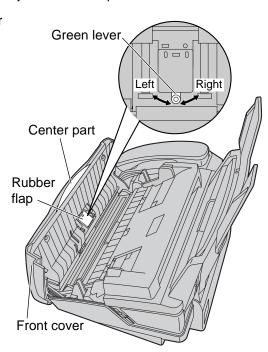
- Open the front cover by pulling up the center part.
- 2 Shift the position of the green lever by using an instrument with a pointed end, such as a paper clip.

Left: When documents multiple feed.Center: Standard position (pre-selected)Right: When documents do not feed.

Close the front cover securely.

Note:

 When shifting the green lever, do not touch the rubber flap.



Replacing the ink film _____

When the unit runs out of ink film, the following message will be displayed.

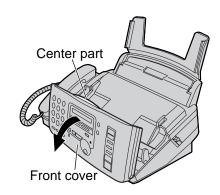
Display: CHECK FILM

Install a new ink film. The following ink films are available for replacement. Each roll prints about

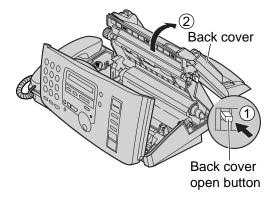
150 letter size pages. See page 7 for accessory order information.

Model No. KX-FA53: Replacement film (1 roll)
Model No. KX-FA55: Replacement film (2 rolls)

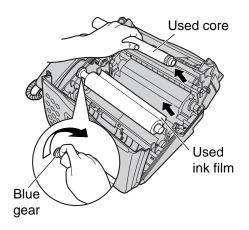
Open the front cover by pulling up the center part.



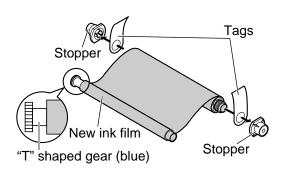
Push the back cover open button (1) and open the back cover (2).



Pull up the blue gear side and remove the used ink film. Remove the used core.

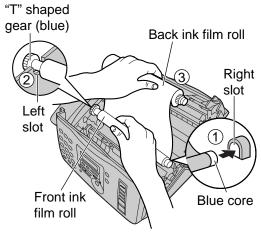


Remove the stoppers and tags from the new ink film. Find the "T" shaped gear (blue).

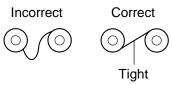


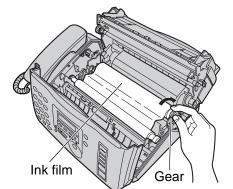
Insert the blue core of the front ink film roll into the right slot of the unit (1). Insert the "T" shaped gear (blue) into the left slot of the unit (2).

Insert the back ink film roll (3).



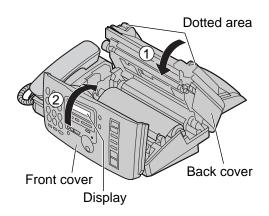
If the ink film is slack, tighten it by winding the gear.





- Close the back cover securely by pushing down on the dotted area at both ends (1). Close the front cover securely (2).
 - The following message will be displayed while the unit is checking that there is no slack on the ink film.

Display: PLEASE WAIT



Note:

•The ink film is completely safe to touch, and will not rub off on your hands like carbon paper.

Cleaning

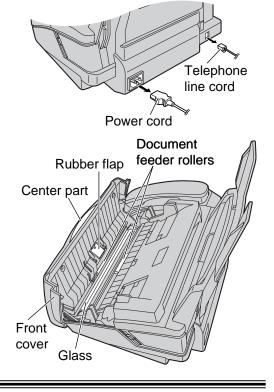
Document feeder ———

If misfeeding occurs frequently or if dirty patterns or black bands appear on a transmitted document or on the original of a copied document, clean the document feeder.

- Disconnect the power cord and the telephone line cord.
- 2 Open the front cover by pulling up the center part.
- Clean the document feeder rollers and rubber flap with a cloth moistened with isopropyl rubbing alcohol, and let all parts dry thoroughly.
- Clean the glass with a soft dry cloth.
- **5** Close the front cover securely.
- 6 Connect the power cord and the telephone line cord.

Caution:

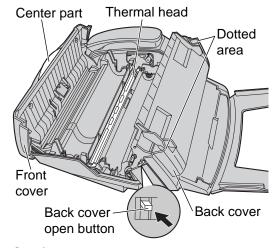
 Do not use paper products, such as paper towels or tissues, to clean the inside of the unit.



Thermal head =

If dirty patterns or black or white bands appear on a copied or received document, clean the thermal head.

- Disconnect the power cord and the telephone line cord.
- Open the front cover by pulling up the center part.
- Open the back cover by pushing the back cover open button.
- Clean the thermal head with a cloth moistened with isopropyl rubbing alcohol, and let it dry thoroughly.
- Close the back cover securely by pushing down on the dotted area at both ends. Close the front cover securely.
- 6 Connect the power cord and the telephone line cord.



Caution:

 To prevent malfunction due to static electricity, do not use a dry cloth and do not touch the thermal head directly.

Reference lists and reports =

You can print out the following lists and reports for your reference.

Setup list: provides you with the current settings of the basic and advanced programming features (p. 63–68).

Telephone number list: provides you with names and telephone numbers which are stored in the JOG DIAL directory. The telephone number codes are as shown below.

- P: A pause has been entered.
- F: A flash has been entered.

Journal report: keeps records of fax transmission and reception. This report will be printed automatically after every 30 fax communications (p. 32).

Printer test list: allows you to check the print quality of your unit. If the test print has a dirty pattern, or blurred points or lines, clean the thermal head (p. 80).

Broadcast programming list: provides you with names and telephone numbers which are stored in the broadcast feature (p. 37).

Caller ID list: keeps records of the last 30 callers after subscribing to a Caller ID service. This report will be printed automatically after every 30 callers (p. 25).

✓ Press MENU two times.

Display: 2.PRINT REPORT

Rotate JOG DIAL until the desired item is displayed.

SETUP LIST

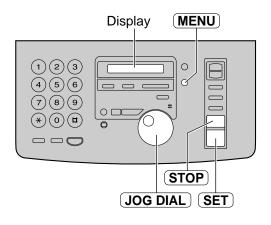
TEL NO. LIST

JOURNAL REPORT

PRINTER TEST

BROADCAST LIST

CALLER ID LIST



Press SET to start printing.

PRINTING

- To stop printing, press **STOP**.
- After printing, the printed item will be displayed.

Press MENU.

Limited Warranty

Panasonic Consumer Electronics Company, Division of Matsushita Electric Corporation of America

One Panasonic Way, Secaucus, New Jersey 07094 Panasonic Sales Company Division of Matsushita Electric of Puerto Rico, Inc.

Ave. 65 de Infantería, Km. 9.5, San Gabriel Industrial Park, Carolina, Puerto Rico 00985

PANASONIC Facsimile Products Limited Warranty

Have any questions? CALL 1-800-HELP-FAX (1-800-435-7329) on:

How to operate the unit, How to get repair service, How to get supplies.

Panasonic Consumer Electronics Company or Panasonic Sales Company (collectively referred to as "the warrantor"), will repair this product with new or refurbished parts, free of charge, in the USA or Puerto Rico for one (1) year limited warranty from the date of original purchase in the event of a defect in materials or workmanship.

This Limited Warranty Excludes both Labor and Parts for: batteries, antennas, and cosmetic parts (cabinet).

Carry-in or mail-in service in the USA or Puerto Rico can be obtained during the warranty period by contacting a Panasonic Services Company (PASC) Factory Servicenter listed in the Servicenter Directory. Or call, toll free, 1-800-HELP-FAX (1-800-435-7329) to locate a PASC Factory Servicenter. Carry-in or mailin service in Puerto Rico can be obtained during the warranty period by calling the Panasonic Sales Company telephone number listed in the Servicenter Directory.

This warranty is extended only to the original purchaser. A purchase receipt or other proof of date of original purchase will be required before warranty service is rendered.

This warranty only covers failures due to defects in material or workmanship which occur during normal use and (when applicable) does not cover the ink film, the toner cartridge and drum unit or the print and ink film. The inability of this product to interface with any specific computer is not a manufacturing defect and is outside of the scope of this Limited Warranty. In no event shall the warrantor be liable by reason of such incompatibility. The warranty does not cover damages which occur in shipment, or failures which are caused by products not supplied by the warrantor such as non Panasonic ink film, or failures which result from accident, misuse, abuse, neglect, mishandling, faulty installation, misapplication, set-up adjustments, improper operation or maintenance, alteration, modification, power line surge, improper voltage supply, lightning damage, signal reception problems, rental use of the product, or service by anyone other than a PASC Factory Servicenter or a PASC authorized Servicenter, or damage that is attributable to acts of God.

LIMITS AND EXCLUSIONS

There are no express warranties except as listed above.

THE WARRANTOR SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY, ARE LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE. Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the Customer Satisfaction Center at the company address indicated above.

For product service

- Servicenters are listed on next page.
- Call toll-free 1-800-HELP-FAX (1-800-435-7329) for the location of an authorized servicenter.
- After the fax advantage program, please contact our Continued Services Technical Support Line at 1-900-555-PANA (1-900-555-7262). If you have difficulty reaching this number, it may be blocked by your phone company. Please contact your local phone company to correct this.

When you ship the product

- Carefully pack your unit, preferably in the original carton
- Attach a letter, detailing the symptom or problem, to the outside of the carton.
- Send the unit to an authorized servicenter, prepaid and adequately insured.
- Do not send your unit to the Panasonic Consumer Electronics Company or to any executive or regional sales offices. These locations do not repair consumer products.

Servicenter Directory =

For Product Information, Operating Assistance, Literature Request, Dealer Locations, and all Customer Service inquiries please contact: 1-800-HELP-FAX (1-800-435-7329), Monday-Friday 9am - 8pm EST.

Web Site: www.panasonic.com (for customers in the USA or Puerto Rico ONLY) You can purchase parts, accessories or locate your nearest servicenter by visiting our Web Site.

Factory Servicenters Locations

CALIFORNIA

6550 Katella Avenue Cypress, CA 90630

800 Dubuque Avenue S. San Francisco, CA 94080

20201 Sherman Way

Suite 102 Canoga Park, CA 91306

3878 Ruffin Road Suite A San Diego, CA 92123

COLORADO

1640 South Abilene Street Suite D Aurora. CO 80012

FLORIDA

3700 North 29th Avenue Suite 102 Hollywood, FL 33020

GEORGIA

8655 Roswell Road Suite 100 Atlanta, GA 30350

ILLINOIS

9060 Golf Road Niles, IL 60714

1703 North Randall Road Elgin, IL 60123 (Pick-up / Drop-off only)

MARYLAND

62 Mountain Road Glen Burnie, MD 21061

MASSACHUSETTS

60 Glacier Drive Suite G Westwood, MA 02090

MICHIGAN

37048 Van Dyke Avenue Sterling Heights, MI 48312

MINNESOTA

7850-12th Avenue South Airport Business Center Bloomington, MN 55425

OHIO

2236 Waycross Road Civic Center Plaza Forest Park, OH 45240

PENNSYLVANIA

2221 Cabot Blvd. West Suite B Langhorne, PA 19047

TENNESSEE

3800 Ezell Road Suite 806 Nashville, TN 37211

TEXAS

13615 Welch Road Suite #101 Farmers Branch, TX 75244

WASHINGTON

20425-84th Avenue South Kent, WA 98032

HAWAII

99-859 Iwaiwa Street Aiea, Hawaii 96701 Phone (808) 488-1996 Fax (808) 486-4369

Service in Puerto Rico

Matsushita Electric of Puerto Rico, Inc. Panasonic Sales Company/ Factory Servicenter: Ave. 65 de Infantería, Km. 9.5, San Gabriel Industrial Park, Carolina, Puerto Rico 00985 Phone (787) 750-4300 Fax (787) 768-2910

FCC Information

List of FCC requirements and information ==

If required by the telephone company, inform them of the following.

- FCC Registration No.: (found on the rear of the unit)
- Ringer Equivalence No.: (found on the rear of the unit)
- The particular telephone line to which the equipment is connected.

This unit must not be connected to a coin operated line. If you are on a party line, check with your local telephone company.

Ringer Equivalence Number (REN):

This REN is useful in determining the quantity of devices you may connect to your telephone line and still have all of those devices ring when your telephone number is called. In most but not all areas, the sum of the REN's of all devices connected to one line should not exceed five (5.0). To be certain of the number of devices you may connect to your line, as determined by the REN, you should contact your local telephone company to determine the maximum REN for your calling area.

In the event that terminal equipment causes harm to the telephone network, the telephone company should notify the customer, if possible, that service may be stopped. However, where prior notice is impractical, the company may temporarily cease service providing that they:

- a) Promptly notify the customer.
- b) Give the customer an opportunity to correct the problem with their equipment.
- c) Inform the customer of the right to bring a complaint to the Federal Communication Commission pursuant to procedures set out in FCC Rules and Regulations Subpart E of Part 68.

The Telephone Company may make changes in its communications facilities, equipment operations, or procedures where such action is reasonably required in the operation of its business and is not inconsistent with the rules and regulations in FCC Part 68. If such changes can be reasonably expected to render any customer terminal equipment incompatible with telephone company communications facilities, or require modification or

alteration of such terminal equipment, or otherwise materially affect its use or performance, the customer shall be given adequate notice in writing, to allow the customer an opportunity to maintain uninterrupted service.

CAUTION:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

When programming emergency numbers and/or making test calls to emergency numbers:

- Remain on the line and briefly explain to the dispatcher the reason for the call before hanging up.
- 2. Perform such activities in the off-peak hours; such as early morning or late evenings.

This telephone provides magnetic coupling to hearing aids.

NOTE:

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 quarantee 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 or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Technical data about this product ==

Applicable Lines: Public Switched Telephone Network Document Size: Max. 216 mm (8½") in width

Max. 600 mm (23%") in length

Effective Scanning Width: 208 mm (83/16")

Recording Paper Size: Letter: 216 mm x 279 mm (8½" x 11")

Legal: 216 mm x 356 mm (8½" x 14")

Effective Printing Width: 208 mm (83/16")

Transmission Time*: Approx. 15 s/page (Original mode)**

Scanning Density: Horizontal: 8 pels/mm (203 pels/inch)

Vertical: 3.85 lines/mm (98 lines/inch) - "STANDARD" mode

7.7 lines/mm (196 lines/inch) –"FINE"/"HALF TONE" mode 15.4 lines/mm (392 lines/inch) –"SUPER FINE" mode

Halftone Level: 64-level

Scanner Type: Contact Image Sensor (CIS)

Printer Type: Thermal Transfer on plain paper

Data Compression System: Modified Huffman (MH), Modified READ (MR)

Modem Speed: 9,600 / 7,200 / 4,800 / 2,400 bps; Automatic Fallback

Operating Environment: 5 °C - 35 °C (41 °F - 95 °F), 20 % - 80 % RH (Relative Humidity)

Dimensions (H x **W** x **D):** 185 mm x 345 mm x 276 mm (7\%2" x 13\1\%2" x 10\%")

Mass (Weight):Approx. 3.2 kg (8.5 lb.)Power Consumption:Standby: Approx. 4 WTransmission: Approx. 16 W

Reception: Approx. 42 W (When receiving a 20% black document)
Copy: Approx. 42 W (When copying a 20% black document)
Maximum: Approx. 135 W (When copying a 100% black document)

Power Supply: 120 V AC, 60 Hz

Memory Capacity: Voice memory***: Approx. 18 minutes of recording time including

greeting messages

Fax memory: Approx. 28 pages of memory reception

Approx. 25 pages of memory transmission (Based on the ITU-T No. 1 Test Chart in standard

resolution.)

- * Transmission speed depends upon the contents of the pages, resolution, telephone line conditions and capability of the other party's machine.
- ** The 15 second speed is based upon the ITU-T No. 1 Test Chart and original mode. If the capability of the other party's machine is inferior to your unit, the transmission time may be longer.
- *** Recording time may be reduced by the calling party's background noise.

Note:

- Any details given in these instructions are subject to change without notice.
- •The pictures and illustrations in these instructions may vary slightly from the actual product.

Energy Star

As an ENERGY STAR® Partner, Panasonic has determined that this product meets the ENERGY STAR® guidelines for energy efficiency. ENERGY STAR is a U.S. registered mark.



ITU-T No. 1 Test Chart



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Panasonic FAX ADVANTAGE PROGRAM

Free peace of mind, direct from Panasonic

NO EXTRA COST



- 1-year limited warranty¹ parts & labor
- Toll-free help line
- Free overnight replacement³ and repair program

The Panasonic Fax Advantage Consumer Service Program.

Panasonic knows that if your fax machine is not up and running, neither is your business. That's why we created the Panasonic Fax Advantage Program. Included at no extra cost with the purchase of a Panasonic Fax Machine, the Fax Advantage Program can provide a free replacement unit³ overnight if your original unit is in need of repair.

- 1. If you have a problem with your fax while it is covered by the oneyear limited warranty¹, call our toll-free help-line at 1-800-HELP-
- 2. Talk to one of our technical experts to diagnose your problem over the phone.
- 3. If repairs are necessary and you are entitled to service under the terms and conditions of the limited warranty4, we will send a refurbished replacement unit to you overnight or second business day delivery, depending on the time of your call.

A second option available under our one-year limited warranty is to mail-in or carry-in your fax to one of our Regional Service centers, where the unit will be repaired and returned to you.

If you choose to receive a replacement unit under the Fax Advantage Program, Panasonic will provide a replacement unit which will be completely refurbished, quality-tested by Panasonic technicians and individually hand-inspected before it is shipped to you. You will keep the replacement unit and send the original unit to us in the replacement unit's box. UPS will pick up the unit at no charge to you, should it be determined that you are entitled to warranty service. A proof-of-purchase must be included with the returned product. Any unit that is replaced by Panasonic and not shipped with proper proof-of-purchase by you will be subject to a minimum \$100.00 charge. The original unit must be properly packaged in the same manner as the replacement unit, utilizing

the packing materials provided. Damage due to improper or inadequate packing will be charged to you as an out-of-warranty cost.

If our 1-800-HELP-FAX technicians determine that your unit may be an "out-of-box failure"⁵, we will attempt to provide you with a factory-new replacement unit. You must ship a copy of your receipt with your original unit to verify that you purchased the unit within 10 days prior to your 1-800-HELP-FAX call.

Requirements

You must give our technicians a valid credit card number (Discover, VISA, Master Card, or American Express/Optima). Product that is not returned to Panasonic by 10 business days after shipment of the replacement product will be charged to your credit card account at Panasonic's Suggested Retail Price (see dealer for details). If your original unit is not eligible for warranty service, your card will be charged for the non-warranty repair of the unit at Panasonic's current rate for parts and labor and for any shipping charges associated with this program. If you do not wish to pay out-of-warranty repair costs, you will be responsible for returning the replacement unit to Panasonic and for paying all shipping charges associated with this program including the overnight delivery of the replacement product to you, shipment of the problem unit to Panasonic, shipment of the replacement unit back to Panasonic and the return of your original unit back to you. Credit status will be verified prior to sending the replacement product.

- 1. See dealer for limited warranty details.
- After the fax advantage program, contact our Continued Services Technical Support Line at 1-900-555-PANA (1-900-555-7262), for fee based technical support.
- Replacement unit is refurbished
- Replacement program excludes Puerto Rico and is subject to termination at any time
- without advance notice.
 "Out-of-box failure" is an inoperable unit that was purchased no more than 10 days prior to your 1-800-HELP-FAX call, and would otherwise qualify for warranty service under the terms and conditions of the limited warranty.

 6. Panasonic reserves the right to send a refurbished unit.

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