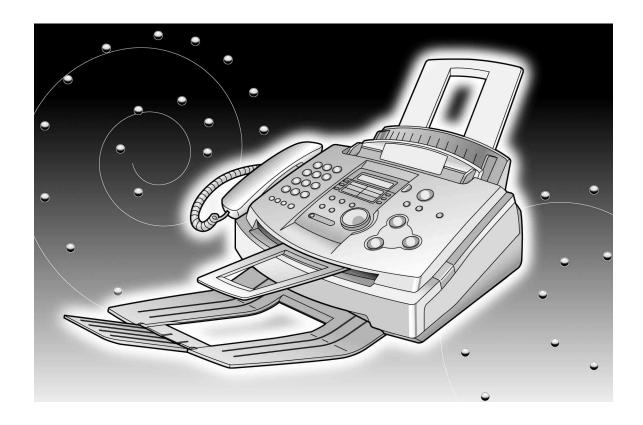
Panasonic

High Speed Laser Fax with Copier Function

Operating Instructions

Model No. KX-FL501



FOR FAX ADVANTAGE ASSISTANCE:

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

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

This model is designed to be used only in the U.S.A.

Thank you for purchasing a Panasonic facsimile.

Things you should keep a record of

Attach your sales receipt here

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 17 to 20.
- •Do not rub or use an eraser on the printed side of recording paper, as the print may smear.
- •If you apply to the netmoves service, you can use the IQ-FAX function (p. 35).

Trademarks

netmoves is a registered trademark of NetMoves Incorporated.

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

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Safety instructions

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.
- 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 bathtub, 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 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 service center 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 service center 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 service center.
 - E. If the unit has been dropped or physically damaged.
 - F. If the unit exhibits a distinct change in performance.
- 14. 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

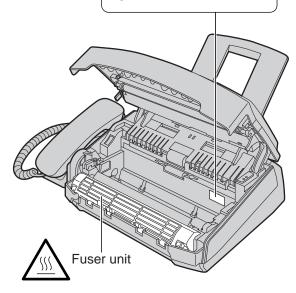
Safety instructions

CAUTION:

Laser radiation

•The printer of this unit utilizes a laser. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

DANGER-Invisible laser radiation when open and interlock defeated. AVOID DIRECT EXPOSURE TO BEAM.



Fuser unit

•The fuser unit gets hot. Do not touch it.

Toner cartridge

- •Be careful of the following when you handle the toner cartridge.
 - —If you ingest any toner, drink several glasses of water to dilute your stomach contents, and seek immediate medical treatment.
 - —If any toner comes into contact with your eyes, flush them thoroughly with water, and seek medical treatment.
 - —If any toner comes into contact with your skin, wash the area thoroughly with soap and water.

Drum unit

•Read the instructions on pages 12 and 13 before you begin installation of the drum unit. After you have read them, open the drum unit protection bag. The drum unit contains a photosensitive drum. Exposing it to light may damage the drum.

Once you have opened the protection bag:

- —Do not expose the drum unit to light for more than 5 minutes.
- —Do not touch or scratch the green drum surface.
- —Do not place the drum unit near dust or dirt, or in a high humidity area.
- —Do not expose the drum unit to direct sunlight.

Safety instructions

CAUTION:

Installation

- Never install telephone wiring during a lightning storm.
- Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- •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.

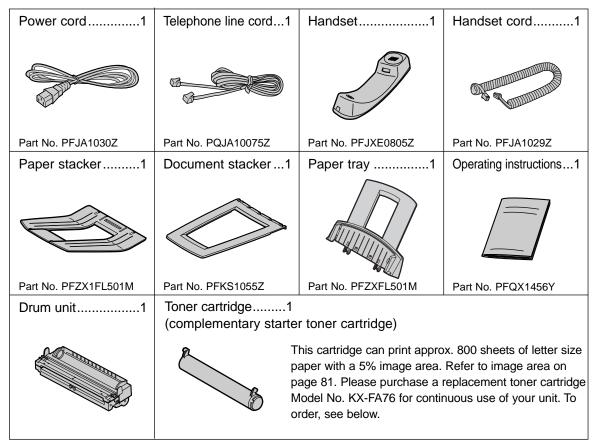
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Accessories

Included accessories =



- •If any item is 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 information _____

Model No.	Item	Usage	Specifications
KX-FA76	Toner cartridge	For replacement. See page 68.	See page 81.
KX-FA77/KX-FA77D	Drum unit	For replacement. See page 68.	See page 81.

To place an order:

Telephone: Call 1-800-332-5368.

Fax: Send a fax to 1-800-237-9080.

Include:

- —your name, shipping address and telephone number,
- —credit card type, number, expiration date and your signature,
- —order part number and quantity.

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

(for customers in the U.S.A. or Puerto Rico ONLY)

- •If you have any questions about internet orders, please contact us at:
 - —E-MAIL: panasonicdirect@panasonic.com
 - —TELEPHONE: 1-201-348-7292

Help function **=**

You can print a quick reference for assistance as follows.

1 '

Press (HELP).

Display:

ROTATE () & SET

Rotate JOG DIAL until the desired item is displayed.

1. How to set the date, time, your logo and fax number.

QUICK SET UP

2. How to program the features.

FEATURE LIST

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

JOG-DIAL

4. Help with problems sending/receiving faxes.

FAX SND/RCV

5. How to use the copier function.

COPIER

6. Frequently asked questions and answers.

Q and A

7. Explanation of error messages shown on the display.

ERRORS

8. List of available reports.

REPORTS

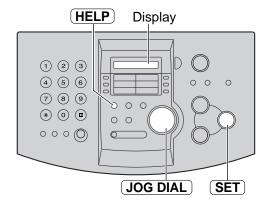
9. How to use the Caller ID service.

CALLER ID

2

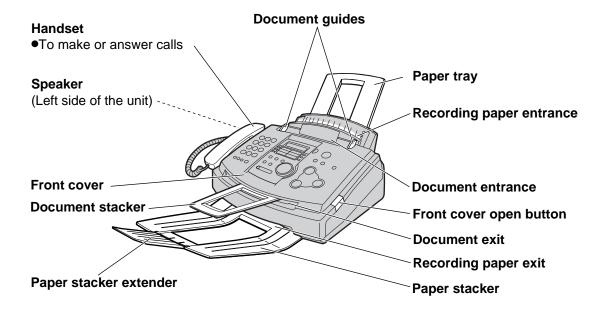
Press (SET).

PRINTING



Finding the Controls

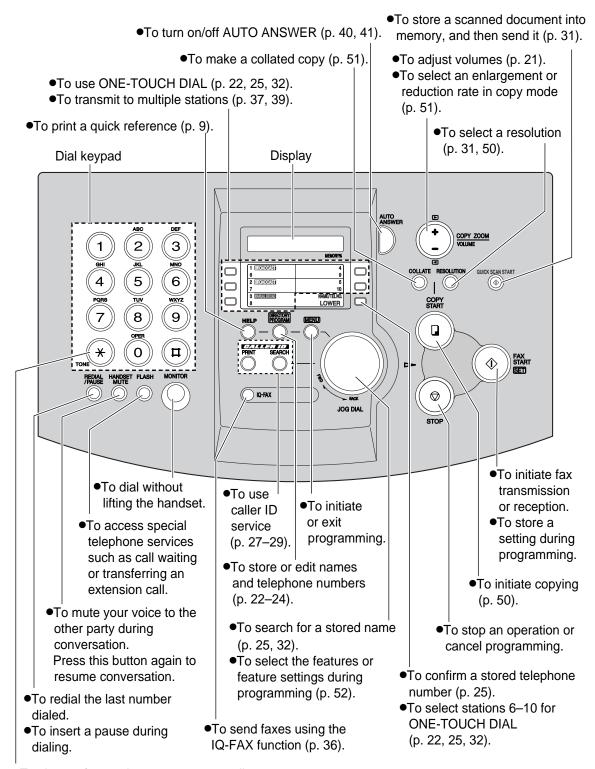
Overview =



^{*}The document stacker and paper stacker may not be shown in all illustrations.

Finding the Controls

Location —



•To change from pulse to tone temporarily during dialing when your line has rotary pulse services.

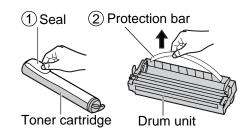
Toner cartridge and drum unit _____

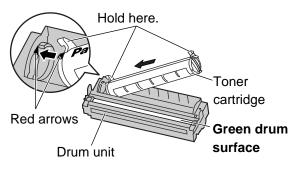
Caution:

- •Read the instructions below before you begin installation. After you have read them, open the drum unit protection bag. The drum unit contains a photosensitive drum. Exposing it to light may damage the drum. Once you have opened the protection bag:
 - —Do not expose the drum unit to light for more than 5 minutes.
 - —Do not touch or scratch the green drum surface.
 - —Do not place the drum unit near dust or dirt, or in a high humidity area.
 - —Do not expose the drum unit to direct sunlight.
- Remove the toner cartridge and drum unit from the protection bags.

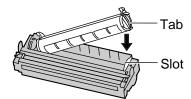
 Peel off the seal from the toner cartridge (1).

 Remove the protection bar from the drum unit (2).
- With Panasonic face up on the toner cartridge, match the red arrows on the cartridge and the drum unit.

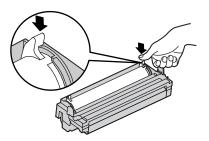




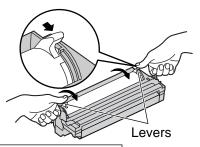
Slide the tab of the toner cartridge into the slot of the drum unit.



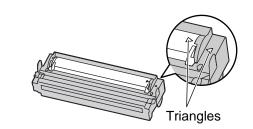
Firmly press down on the right side of the toner cartridge to snap into position and...



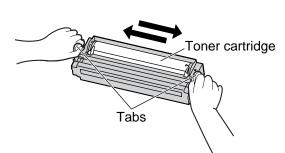
turn the two levers on the toner cartridge with firm pressure.



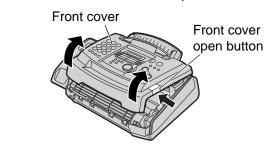
The toner cartridge is installed when the triangles match.



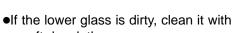
Tap on the toner cartridge several times to allow the toner to fall into the drum unit. Grab the tabs, and shake the drum and toner unit horizontally several times.

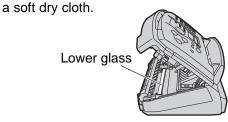


Push the front cover open button then open the front cover.



Install the drum and toner unit by holding the tabs.





Drum and toner unit

Close the front cover, until locked, by pushing down on both sides.



Toner save feature

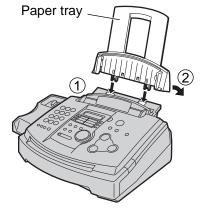
•If you want to save on toner consumption, set the toner save setting to on (feature #79 on page 59). The toner cartridge will last approx. 40% longer. This feature may reduce print quality.

Paper tray, document stacker and paper stacker _____

Paper tray

Insert the paper tray into the two slots on the back of the unit $(\widehat{1})$.

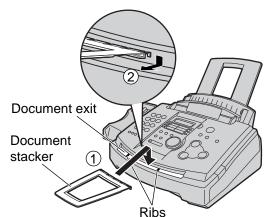
Let it lean back until it clicks into place(2).



Document stacker

Align with the ribs on the document exit (1).

Pull the document stacker forward gently until it clicks into place (2).

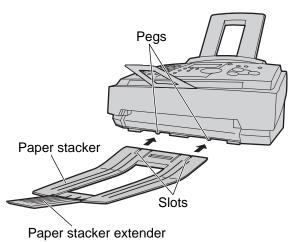


Paper stacker

Line up the slots in the paper stacker with the pegs on the bottom of the unit, then slide until locked.

Open the paper stacker extender when you use legal size paper.

 The paper stacker can hold approx. 100 sheets of printed paper. Remove the printed paper before they are filled on the paper stacker.



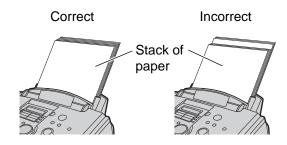
Note for installation:

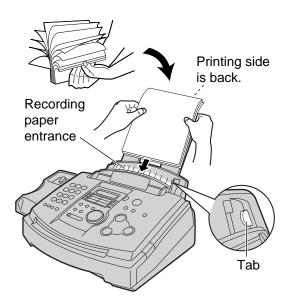
- Do not place the unit in an area where the paper tray may be obstructed by a wall, etc.
- Document and recording paper will be ejected from the front of the unit. Do not place anything in front of the unit.

Recording paper ____

Letter or legal size recording paper can be loaded. The unit can hold up to 150 sheets of 60 g/m^2 to 75 g/m^2 (16 lb. to 20 lb.) paper or 120 sheets of 90 g/m^2 (24 lb.) paper.

- •The unit is set for letter size paper by default. If you want to use legal size paper, change the setting (feature #16 on page 54).
- Fan the stack of paper to prevent a paper jam.
- Insert the paper into the recording paper entrance.
 - •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:

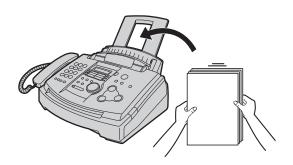
- Avoid using paper with a cotton and/or fiber content that is over 20%, such as letterhead paper or paper used for resumes.
- Do not use different types or thicknesses of paper at the same time. This may cause a paper jam.
- Avoid extremely smooth or shiny paper that is highly textured.
- Avoid paper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

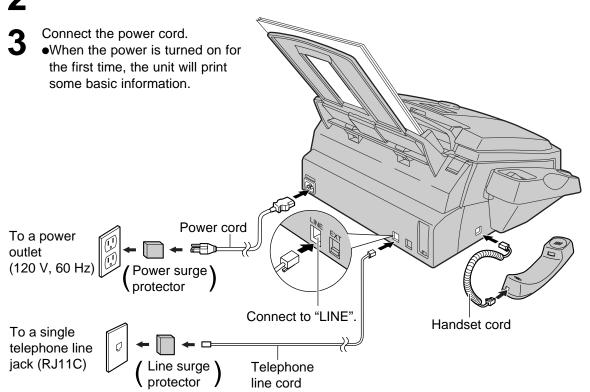
- 1. Remove all of the installed paper.
- 2. Add paper to the removed paper and straighten.
- 3. Fan the stack of paper.
- 4. Insert the paper into the recording paper entrance.



Setup

Connections :

- Connect the handset cord.
- Connect the telephone line cord.



Caution:

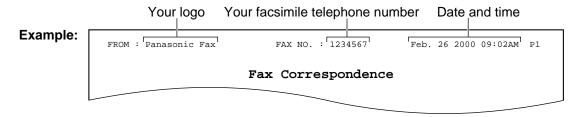
• When you operate this product, the power outlet should be near the product and easily accessible.

Note:

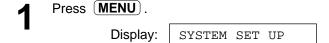
- For additional equipment protection, we recommend you use a surge protector. The following types are available: TELESPIKE BLOK MODEL TSB (TRIPPE MFG. CO.), SPIKE BLOK MODEL SK6-0 (TRIPPE MFG. CO.), SUPER MAX (PANAMAX) or MP1 (ITW LINX).
 - The warranty does not cover damage due to power line surges or lightning.
- If you want to connect an answering machine to the unit, see page 44.

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.



Setting the date and time



- Press #, then 0 1.

 SET DATE & TIME
- Press SET .

 Example: M:01/D:01/Y:00

 Cursor

 Enter the correct month/day/year by selecting
- 2 digits for each, using the dial keypad.

 Example: Aug. 10, 2001

 Press 08 10 01.

 M:08/D:10/Y:01
- Press SET .

 Example: TIME: 12:00AM
- 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.

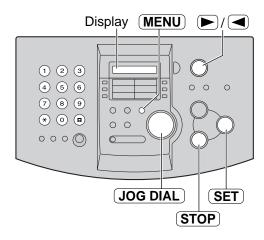
TIME: <u>0</u>3:15AM

2. Press ★ until "PM" is displayed.

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

- Press SET.

 SETUP ITEM []
- Press MENU.



Note:

- You can enter the number by rotating
 JOG DIAL in steps 4 and 6. In this case, press ► to move the cursor.
- •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: SYSTEM SET UP

Press #, then 02.

YOUR LOGO

Press SET.

LOGO=

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

Example: "Bill"

1. Press 2 twice.

LOGO=B Cursor

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 []

6 Press MENU.

Note:

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

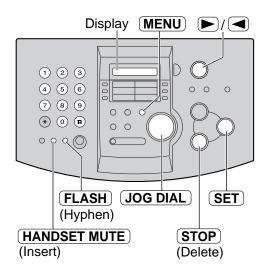
To correct a mistake

Press

 or
 d 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 change capital or lower case letters

1. Press 2 twice.

Display: LOGO=B

2. Press 4 three times.

LOGO=BI

3. Press **#** .

LOGO=Bi

4. Press 5 three times.

LOGO=Bil

To insert a character

- Press or to move the cursor to the position to the right of where you want to insert the character.
- **2.** Press **HANDSET MUTE** (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.

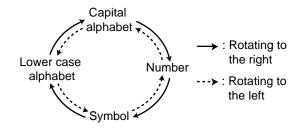
Keys								CI	narac	ters							
1	1	[]	{	}	+	_	/	=	,		_	`	:	;	?	
2	Α	В	С	а	b	С	2										
3	D	Е	F	d	е	f	3										
4	G	Н	I	g	h	i	4										
5	J	K	L	j	k	I	5										
6	М	N	0	m	n	0	6										
7	Р	Q	R	S	р	q	r	S	7								
8	Т	U	V	t	u	٧	8										
9	W	Χ	Υ	Z	W	Х	У	Z	9								
0	0	()	<	>	!	"	#	\$	%	&	¥	*	@	^	,	\rightarrow
Œ	Тос	hange	e capi	tal or	lower	case	letter.										
FLASH	Нур	hen b	utton	(To in	sert a	hyph	en.)										
HANDSET MUTE	Inse	ert but	ton (T	ō inse	ert one	e char	acter	or one	e spa	ce.)							
STOP	Dele	ete bu	tton (To del	ete a	chara	cter.)										
•	l			e the r cha			-		numbe	er key	, mov	e the	curso	r to th	e nex	t spac	ce.
	∢ k	ey (To	o mov	e the	curso	r to th	e left.	.)									

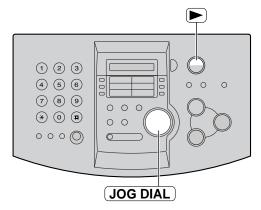
To select characters using JOG DIAL

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

- 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





Setting your facsimile telephone number

Press MENU.

Display: SYSTEM SET UP

Press #, then 03.

YOUR FAX NO.

Press SET.

NO.=

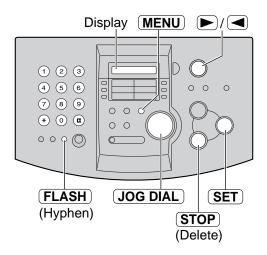
Enter your facsimile telephone number, up to 20 digits, using the dial keypad.

Example: NO.=1234567

Press SET.

SETUP ITEM []

6 Press MENU.



Note:

- You can enter your facsimile telephone number by rotating JOG DIAL . If you use JOG DIAL , press
 ▶ to move the cursor.
- The ★ button replaces the digit with a "+" and the

 the button replaces it with a space.

Example (using the dial keypad): $+234\ 5678$ Press $\times 234 = 5678$.

◆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.

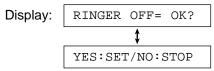
While the unit is idle, press

To or .

•If any documents are in the document entrance, you cannot adjust the ringer volume. Confirm that there are no documents in the entrance.

■ To turn the ringer off:

1. Press repeatedly until the following message is displayed.



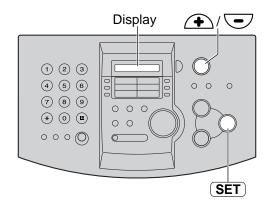
- 2. Press (SET).
- ●To turn the ringer back on, press ◆.
- While the ringer volume is set to off:

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



Melody ringer

 You can select one of the four melodies instead of the bell. Change the setting (feature #17 on page 54). The melody you selected will sound when the unit receives a call.

Handset receiver volume

5 levels (high to low) are available.

While using the handset, press

To or

Monitor volume

8 levels (high to low) are available.

While using the monitor, press

To or

Automatic Dialing

Storing names and telephone numbers in ONE-TOUCH DIAL

For rapid access to frequently dialed numbers, the unit provides 10 stations of ONE-TOUCH DIAL keys.

•ONE-TOUCH DIAL 1 to 3 can be alternatively used as broadcast keys (p. 37).



2 For ONE-TOUCH DIAL 1–3: Press one of the ONE-TOUCH DIAL keys.

DIAL MODE (2)

Press (SET) to go to the next prompt.

For ONE-TOUCH DIAL 4-5:

Press one of the ONE-TOUCH DIAL keys.

For ONE-TOUCH DIAL 6-10:

Press **LOWER**, then press one of the ONE-TOUCH DIAL keys.

3 Enter the name, up to 10 characters (see page 19 for instructions).

Press SET .

Example: NAME=John

VAME=John

VAME=John

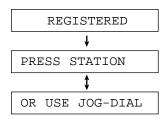
VAME=John

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

Example: <502>=1114497

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

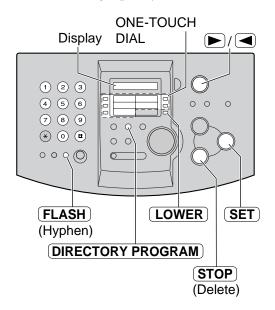
Press (SET).



●To program other stations, repeat steps 2 to 6.

Press STOP to exit the program.

•If you press DIRECTORY PROGRAM instead of STOP, you can print the one-touch label card (see right).



Helpful hint:

•You can confirm the stored items on the display (p. 25) or on the telephone number list (p. 76).

Note:

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

To correct a mistake

To delete a character/number

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

To print the one-touch label card with stored names



Press **SET** to start printing.

 Put the card in the ONE-TOUCH DIAL location.

Storing names and telephone numbers in JOG DIAL

For rapid access to frequently dialed numbers, the unit provides a JOG DIAL directory (100 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. 9), call using this station (p. 25).

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. 25).

•If you do not need the above stations, you can erase them (p. 24).



- Rotate JOG DIAL until the following is displayed.

 NAME=
- Enter the name, up to 10 characters (see page 19 for instructions).

Example: NAME=Alice

Press SET .

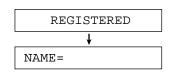
No.=

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

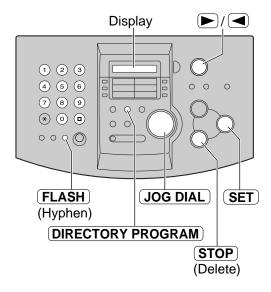
Example: NO.=5552233

●If you want to enter a hyphen, press **FLASH**.

6 Press SET.



- $\bullet \text{To}$ 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. 25) or on the telephone number list (p. 76).

Note:

• When the following message is displayed in step 6, you can store only 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. 24).

• 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.

Automatic Dialing

Editing and erasing a stored name and number == Editing a stored name and number

You can edit a name or number stored in ONE-TOUCH DIAL and JOG DIAL.

EDIT= * DELETE=#

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

Example: Mary <S01>
means the station number for ONE-TOUCH DIAL

1 Press **DIRECTORY PROGRAM**.

Press ★ to select "EDIT".

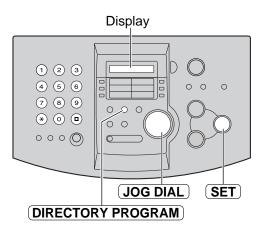
NAME=Mary

- •If you do not need to edit the name, skip to step 5.
- Edit the name (see page 19 for instructions).
- Fress <u>SET</u>.

 Example: <S01>=0123456
 - •If you do not need to edit the telephone number, skip to step 7.

- 6 Edit the telephone number. For further details, see page 23.
- Press SET.

 REGISTERED



Erasing a stored station and item

You can erase ONE-TOUCH DIAL station and JOG DIAL item.

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

Example: Mary <S01>

Press **DIRECTORY PROGRAM** .

EDIT= * DELETE=#

Press # to select "DELETE".

DELETE OK?

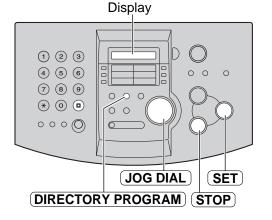
\$
YES:SET/NO:STOP

●To cancel erasing, press **STOP**.

Press **SET** .

DELETED

 The stored name and number are deleted.



Making a voice call using ONE-TOUCH DIAL and JOG DIAL

Before using this feature, program the desired names and telephone numbers into ONE-TOUCH DIAL and JOG DIAL (p. 22, 23).

Using ONE-TOUCH DIAL

Press MONITOR or lift the handset.

Display: | TEL=

- Confirm that there are no documents in the document entrance.
- Press the desired ONE-TOUCH DIAL key.

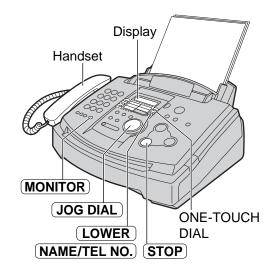
For ONE-TOUCH DIAL 6-10:

Press **LOWER**, then press the desired ONE-TOUCH DIAL key.

Example:

TEL=<John>

•The unit will start dialing automatically.



Using JOG DIAL

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

Example: Lisa

- •If the desired name has not been stored, press STOP and dial the number manually.
- Press (MONITOR) or lift the handset.

 •The unit will start dialing automatically.

To confirm the stored telephone number on the display

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

Example: John <S06> means the station number for ONE-TOUCH DIAL

2. Press NAME/TEL NO. .

1114497 <S06>

- To stop the confirmation, press **STOP**.
- •To make a call, press **MONITOR** or lift the handset.

To search for a name by initial

Example: "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 19).

Larry

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

Lisa

- To stop the search, press **STOP**.
- •To make a call, press **MONITOR** or lift the handset.

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 the Caller ID service offered by your local telephone company. To use this feature, you must subscribe to the Caller ID service.

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

- —FAX ring count (feature #06 on page 53)
- —TEL/FAX ring count (feature #78 on page 59)

How Caller ID is displayed

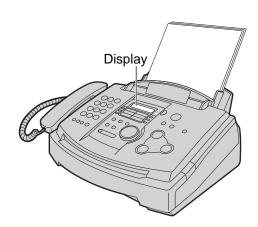
The calling party's name or telephone number will be displayed after the first ring.

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 information (name, telephone number and the time of the call). You can view the caller information (see the next page) and print the caller ID list (p. 28).



Note:

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

OUT OF AREA

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

PRIVATE CALLER

The caller requested not to send caller information.

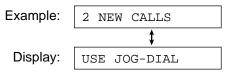
LONG DISTANCE

The caller made a long distance call.

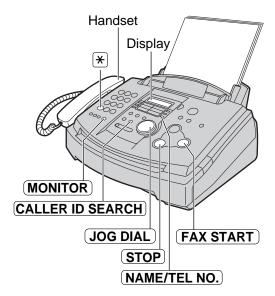
You can easily view caller information and call back.

Important:

- •Calling back will not be available in the following cases.
 - —The telephone number includes data other than numbers (i.e. * or #).
 - —The caller information does not include a telephone number.
- 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.
 - •If you rotate to the left, the display will show the reviewed calls.
 - ●To stop viewing, press **STOP**.
- Press MONITOR or lift the handset to make a call.
 - •The unit will start dialing automatically.
 - ●To send a fax insert the document FACE DOWN and press (FAX START).



To display the caller's telephone number and the date/time of the call

Press **NAME/TEL NO.** repeatedly in step 2.



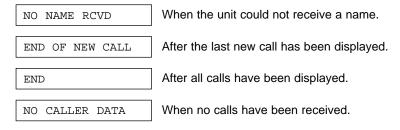
To edit the telephone number for calling back

Press * repeatedly in step 2.

Each time you press [*], 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)

Display while viewing



Confirming caller information using the Caller ID list

The unit will store the 30 most recent caller information.

- —To print manually, see below.
- —To print automatically after every 30 new calls, activate feature #26 (p. 55).

Sample of a Caller ID list

			Mai	r. 20 2000 09:	19AM
			YOUR LOGO : YOUR FAX NO. :		
NO	O. NAME	TELEPHONE NUMBER	TIME OF CALL	ANSWER	STATUS
01	l WENDY ROBERTS	1-345-678-9012	Mar.14 10:30AM	FAX	!
02	2 ALLAN STONE	1-456-789-0123	Mar.13 08:35AM	FAX	*
03	B MIKE TIMAR	1-987-654-3210	Mar.11 09:35AM	TEL	

Printing and erasing the Caller ID list

Press **CALLER ID PRINT** to start printing.

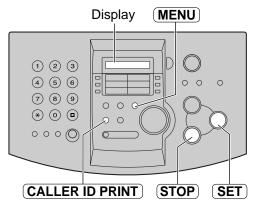
Display: PRINTING

•The display will show the following after printing.

ALL ERASE OK?

\$\text{YES:SET/NO:STOP}\$

Press STOP to exit the program, or press SET to erase all of the stored caller information.



To erase caller information without printing

1. Press MENU three times.

Display: CALLER SET UP

2. Press (SET).

CALL LIST ERASE

3. Press SET.

ALL ERASE OK?

- ●To cancel erasing, press **STOP**, then **MENU**.
- 4. Press (SET).

ERASE COMPLETED

5. Press **STOP** to exit the program.

Storing caller information in ONE-TOUCH DIAL and JOG DIAL ————

Important:

- •This feature is not available in the following cases.
 - —The telephone number includes data other than numbers (i.e. * or #).
 - —The caller information does not include a telephone number.

Press **CALLER ID SEARCH**.

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** .

PRESS STATION

OR USE JOG-DIAL

For ONE-TOUCH DIAL 1–3:

Press the desired ONE-TOUCH DIAL key.

DIAL MODE ()

Press (SET).

Example:

NAME=WENDY ROBE

Press **SET**.

Example:

<S02>=1345678901

For ONE-TOUCH DIAL 4-5:

Press the desired ONE-TOUCH DIAL key.

NAME=WENDY ROBE

Press (SET).

<S04>=1345678901

For ONE-TOUCH DIAL 6-10:

Press (LOWER), then press the desired ONE-TOUCH DIAL key.

NAME=WENDY ROBE

Press (**SET**).

<S06>=1345678901

For JOG DIAL:

Rotate **JOG DIAL**

NAME=WENDY ROBE

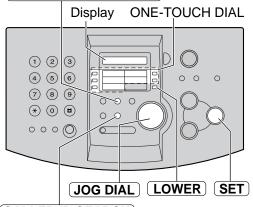
Press **SET**.

NO.=13456789012

Press SET.

REGISTERED

DIRECTORY PROGRAM



CALLER ID SEARCH

Note:

- •You can confirm the stored items on the display (p. 25) or on the telephone number list (p. 76).
- You can only store a name of up to 10 characters long.
- ◆To edit a name and number, see page 24.
- •If you enter a new item into ONE-TOUCH DIAL, the previous entry will be overwritten.
- If you use ONE-TOUCH DIAL 1-3 as a broadcast station, you cannot store caller information.
- •If the JOG DIAL directory is full, you cannot store caller information.

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.

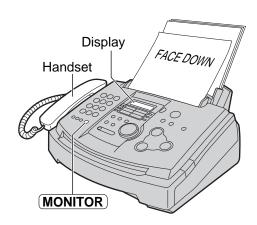
Initiating voice contact

Press **MONITOR** 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.
- **2** 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.

PLEASE PICK UP

2 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, the line will be disconnected.

Sending a fax manually =

- Adjust the width of the document guides to the size of the document.
- Insert the document (up to 15 pages) FACE DOWN until the unit grabs the document and a single beep is heard.

Display: STANDARD

- If necessary, press **RESOLUTION** repeatedly to select the desired setting (see below).
- Press MONITOR or lift the handset.

 TEL=
- Dial the fax number.

 Example: TEL=5678901
- When the fax tone is heard:

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

 OR

When the other party answers your call: Using the handset, ask them to press their start button. When the fax tone is heard, press FAX START and replace the

CONNECTING....

To stop transmission

handset.

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.

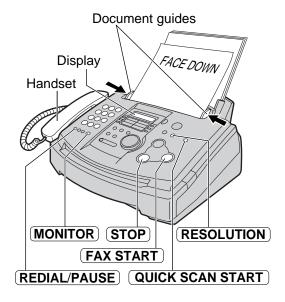
Display: WAITING REDIAL

• To cancel redialing, press (STOP).

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.



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.

PHOTO: For originals containing photograph.

PHOTO WITH TEXT: For originals containing photograph and text.

- Using the "FINE", "SUPER FINE", "PHOTO" or "PHOTO WITH TEXT" setting will increase 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.

Sending from memory

You can press **QUICK SCAN START** instead of **FAX START** to scan the document into memory before sending. After storing, the unit will transmit the document.

•If the document exceeds the memory capacity (p. 80), sending will be canceled.

Sending Faxes

Sending a fax using ONE-TOUCH DIAL and JOG DIAL

Before using this feature, program the desired names and telephone numbers into ONE-TOUCH DIAL and JOG DIAL (p. 22, 23).

- Adjust the width of the document guides to the size of the document.
- Insert the document (up to 15 pages) FACE DOWN until the unit grabs the document and a single beep is heard.

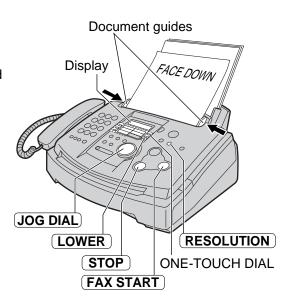
Display: STANDARD

- If necessary, press **RESOLUTION** repeatedly to select the desired setting (p. 31).
- Enter the fax number.
 Using ONE-TOUCH DIAL 1–5:
 Press the desired ONE-TOUCH DIAL key.

Using ONE-TOUCH DIAL 6–10:
Press LOWER, then press the desired
ONE-TOUCH DIAL key.

Using JOG DIAL: Display the desired name and press

FAX START).



Fax auto redial

If the line is busy or if there is no answer, the unit will automatically redial the number up to 2 times.

- This feature is also available for delayed transmission (feature #25 on page 55).
- During redial, the following will be displayed.

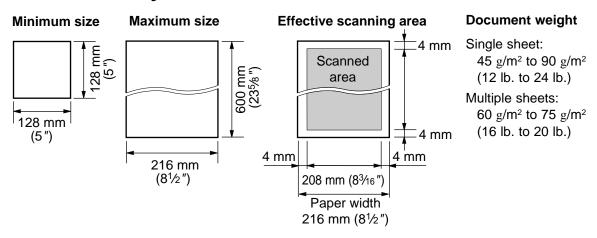
Display: WAITING REDIAL

• To cancel redialing, press **STOP**.

If your unit does not send a fax

- Confirm the stored telephone number on the display and check that the number dialed is answered by the other party's machine (p. 25).
- The connecting tone will be heard during dialing to tell you the status of the other party's machine (feature #76 on page 58).

Documents you can send



Note:

- Remove clips, staples or other similar fasteners.
- 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)

To transmit more than 15 pages at a time

•Insert the first 15 pages of the document. Add the extra pages (up to 15) before the last page is fed into the unit.

Sending Faxes

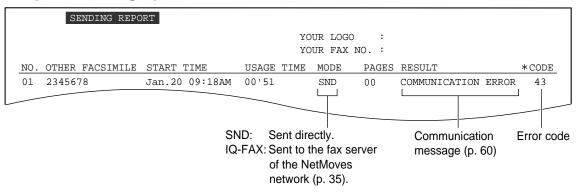
Reports for confirmation :

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

Sending report

This report will provide you with a printed record of transmission results. To use this feature, activate feature #04 (p. 53).

Sample of a sending report

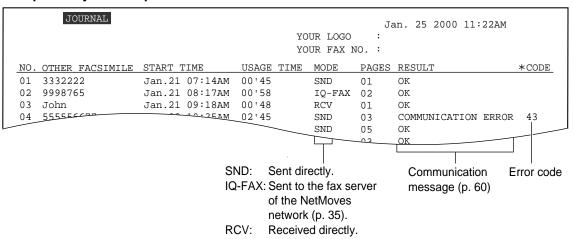


Journal report

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 76.
- —To print automatically after every 30 new fax communications, activate feature #22 (p. 55).

Sample of a journal report



IQ-FAX =

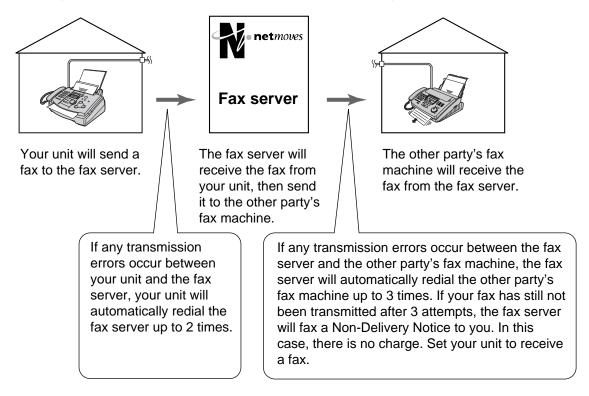
This feature can only be used after applying to NetMoves.

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. 23).

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. 58).

Sending Faxes

Sending a fax using the Internet

- Adjust the width of the document guides to the size of the document.
- Insert the document (up to 15 pages) FACE DOWN until the unit grabs the document and a single beep is heard.

Display: STANDARD

If necessary, press **RESOLUTION** repeatedly to select the desired setting (p. 31).

Press **IQ-FAX**.

IQFAX TO WHERE?

5 Enter the fax number.
Using the dial keypad.

Using ONE-TOUCH DIAL 1-5:

Press the desired ONE-TOUCH DIAL key.

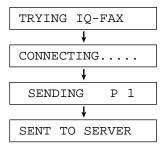
Using ONE-TOUCH DIAL 6-10:

Press **LOWER**), then press the desired ONE-TOUCH DIAL key.

Using JOG DIAL:

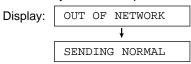
Display the desired name and press **SET** .

Press FAX START .

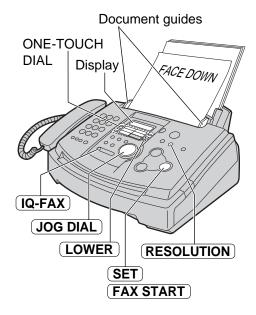


Note:

- If your fax is not transmitted to the other party's fax machine, the NetMoves network will send a Non-Delivery Notice to your unit.
- 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.



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 and the extension telephone.
- If a loading error occurs, the unit will display the following message.

LOADING ERROR

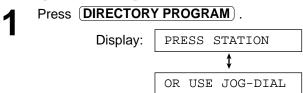
In this case, contact NetMoves at 1-888-332-9728.

Broadcast transmission =

This feature is useful for sending the same document often to selected parties (up to 20 stations). First program the stations, then see page 39 for transmission.

- ●The broadcast function utilizes ONE-TOUCH DIAL 1-3. The one-touch dial function will be canceled.
- •BROADCAST key 1 and 2 can accept ONE-TOUCH DIAL and JOG DIAL entries. MANUAL BROAD key can also accept manual dialing entries.

Programming the stations



→ For BROADCAST 1–2:

Press the desired **BROADCAST** key.

DIAL MODE (2)

Rotate **JOG DIAL** to select "BROADCAST".

Example: BROADCAST 1 (2)

For MANUAL BROADCAST:

Press MANUAL BROAD.

DIAL MODE (2)

Rotate **JOG DIAL** to select "MANUAL BROAD".

MANUAL BROAD (2)

Press SET.

DIR= [00]

Enter stations.

Using ONE-TOUCH DIAL 1-5:

Press the desired ONE-TOUCH DIAL key.

Example: DIR:

DIR=ANN [01]

Using ONE-TOUCH DIAL 6-10:

Press (LOWER), then press the desired ONE-TOUCH DIAL key.

Example: DIR=Luke [01]

Using JOG DIAL:

Display the desired name and press \bigcirc **SET** .

Using the dial keypad (only for MANUAL BROAD):

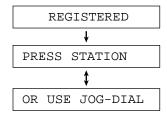
Enter the fax number and press (SET).

Example: DIR=3456789

DIR=3456789 [01]

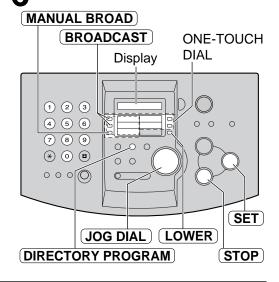
 To enter other stations, repeat this step (up to 20 stations).

Press **SET** after programming all of the desired stations.



◆To program another broadcast key, repeat steps 2 to 5.

A Press STOP to exit the program.



Note:

- If you enter the wrong station, press **STOP** after step 4 to erase the station.
- Confirm the stored items by printing a broadcast programming list (p. 76).

Sending Faxes

Adding a new station

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

Example:

<BROADCAST1>

Press (DIRECTORY PROGRAM).

ADD= * DELETE=#

- Press * to select "ADD".
- Rotate JOG DIAL until the desired name you want to add is displayed (only using JOG DIAL is available).

Example (JOG DIAL):

Mike

Example

(ONE-TOUCH DIAL-2):

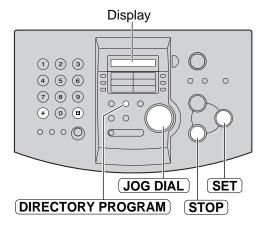
<S02> Peter

Press **SET**.

REGISTERED Nikki

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

Press (DIRECTORY PROGRAM) to 6 exit the program.



Erasing a stored station

Example:

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

Example:

<BROADCAST1>

Press **DIRECTORY PROGRAM**.

ADD= * DELETE=#

- Press # to select "DELETE".
- Rotate (JOG DIAL) until the desired station you want to erase is displayed.

Example (JOG DIAL): Dick

Example

(ONE-TOUCH DIAL-3):

Sam <S03>

•To cancel erasing, press (STOP).

Press **SET**. DELETE OK? YES:SET/NO:STOP

Press (SET). DELETED Example: Bob

- To delete other stations, repeat steps 4 to 6.
- Press (DIRECTORY PROGRAM) to exit the program.

Sending the same document to pre-programmed parties

- Insert the document FACE DOWN.

 ●If necessary, press RESOLUTION
 repeatedly to select the desired setting (p. 31).
- Press the desired BROADCAST (1–2) or MANUAL BROAD.
 - You can also use <u>JOG DIAL</u>. Display the desired key name, and press <u>FAX START</u>.

Example: <BROADCAST1>

- •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 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

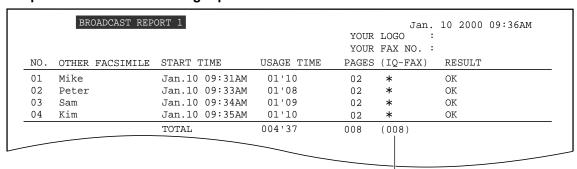
•The display will show the following.

SEND CANCELED?

\$ YES:SET/NO:STOP

2. Press (SET).

Sample of a broadcast sending report



The "*" mark shows the fax has been sent to the fax server of the NetMoves network (p. 35). The number shows the total number of pages sent to the fax server.

Setting the unit to receive faxes =

Use only as a fax

With answering machine

How you want the unit to receive calls



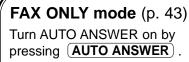
You have a separate telephone line just for faxes.

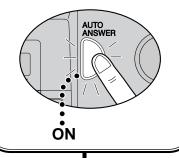
External telephone answering machine (not included)



You want to use the fax machine with an answering machine.

You have to set this.





Activating an answering machine (p. 44)

Connect an external telephone answering machine and set the ring count of the answering machine to less than 4.

Set the ring count in FAX
 ONLY mode of the fax
 machine to "5 EXT.TAM", if
 you use with AUTO ANSWER
 on.

This is how the unit will operate.

When receiving calls:

All incoming calls will be answered as faxes.

When receiving voice calls:

The answering machine will record voice messages.

When receiving fax calls:

The fax machine will disconnect the answering machine and receive documents.

Voice mail service (Distinctive Ring)

Mostly voice calls

Other options

2-number example



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

You need to subscribe to Distinctive Ring Service.

With a PC

If you have a computer attached to the same telephone line, see page 48.

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 46 and 47.

Setting the Distinctive Ring pattern (feature

#31 on page 56)

Select the same ring pattern assigned to the facsimile number. (Default setting is B.)

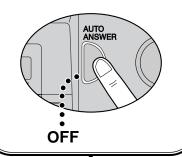
- A: Standard ring (one long ring)
- **B:** Double ring (two short rings)
- C: Triple ring (short-long-short rings)
- D: Other triple ring (short-short-long rings)

TEL mode (p. 42)

Turn AUTO ANSWER off by pressing (AUTO ANSWER).

You plan to answer

the calls yourself.



Remote fax activation

You can also receive a fax using an extension telephone. While hearing a fax calling tone with an extension telephone, press (*) (pre-selected fax activation code) to receive a fax (p. 48).

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.

When receiving calls:

You have to answer all calls manually.

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

Receiving Faxes

TEL mode _______(answering all calls manually)

Activating TEL mode

If the AUTO ANSWER light is on, turn it off by pressing (AUTO ANSWER).

Display:

TEL MODE

Receiving a fax manually

When the unit rings, lift the handset to answer the call.

When:

-document reception is required,

—a fax calling tone (slow beep) is heard, or

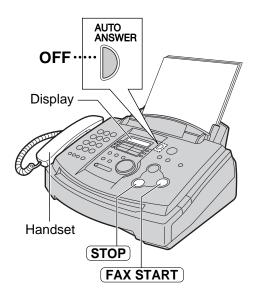
-no sound is heard,

press **FAX START** .

CONNECTING....

Replace the handset.

•The unit will start fax reception.



Note:

• If you do not answer the call within 10 rings, the unit will temporarily switch to fax and the caller can send a document.

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. 57).

Auto reduction feature

If the other party sends a document that is longer than your recording paper, your unit will reduce the receiving document to the proper size and print it. If you want to print the original size, set feature #37 to off (p. 56).

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

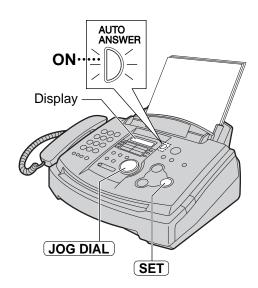
- —slow beeps will sound if feature #44 is set to on (p. 57).
- •Follow the instructions on pages 61 and 62 to solve the problem.
- For memory capacity, see page 80.

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

Activating FAX ONLY mode

- Set feature #77 to "FAX ONLY" (p. 59).
- If the AUTO ANSWER light is off, turn it on by pressing (AUTO ANSWER).
 - The display will show the number of rings before the unit answers a call in FAX ONLY mode.

- If you wish to change the ring count setting, rotate **JOG DIAL** until the desired number is displayed, and press **SET**.
 - When receiving calls, the unit will automatically answer all calls and only receive fax documents.

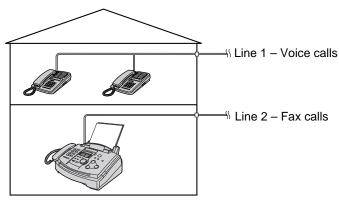


Note:

- •If the AUTO ANSWER light is already on and you wish to change the ring count, turn it 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.

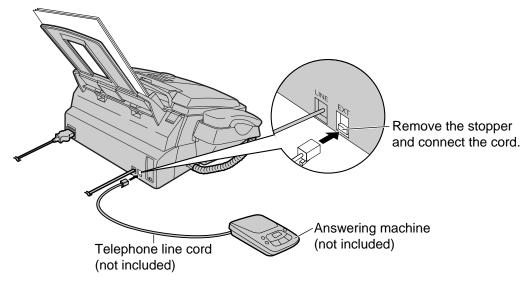


Only a fax machine is connected.

Receiving Faxes

Using the unit with an answering machine Setting up the fax machine and an answering machine

Connect the answering machine.



- Set the number of rings on the answering machine to less than 4.
 - •This will allow the answering machine to answer the call first.
- Record a greeting message on the answering machine.

 Example: "This is (your name, business and/or telephone number). We are unable to answer the phone right now. To send a fax, start transmission. To leave a message, please speak after the beep. Thank you."
 - •We recommend you record your message around 10 seconds long and not to pause for more than 4 seconds during the message. Otherwise, both machines will not function correctly.
- Activate the answering machine.
- Set the receive mode of the fax machine to TEL mode (p. 42) or FAX ONLY mode (p. 43).

 •If you set to FAX ONLY mode, set the ring count in FAX ONLY mode to

 "5 EXT.TAM" (feature #06 on page 53). Using FAX ONLY mode will allow you to receive faxes if the answering machine is full.
- 6 Check the remote access code of the answering machine and program the same code into the remote operation ID of the fax machine. See feature #12 on page 54.

How the fax machine and answering machine work

Receiving voice calls

The answering machine will record voice messages automatically.

Receiving fax calls

The fax machine will receive documents automatically when the machine detects a fax calling tone.

Receiving a voice message and fax document in one call

The answering machine will record the voice message first. The fax machine will then be activated by the caller's request and will receive the document.

Note:

 Every time the fax machine receives a document, a silent pause or fax tone may be recorded on the answering machine.

Receiving a voice message and fax document in one call

The caller can leave a voice message and send a fax document during the same call. Inform the caller of the following procedure beforehand.

- 1. The caller calls your fax machine.
 - •The answering machine will answer the call.
- 2. The caller can leave a message after the greeting message.
- **3.** The caller presses [*] **9** (pre-selected fax activation code).
 - •The fax machine will activate the fax function.
- **4.** The caller presses the start button to send a document.

Note

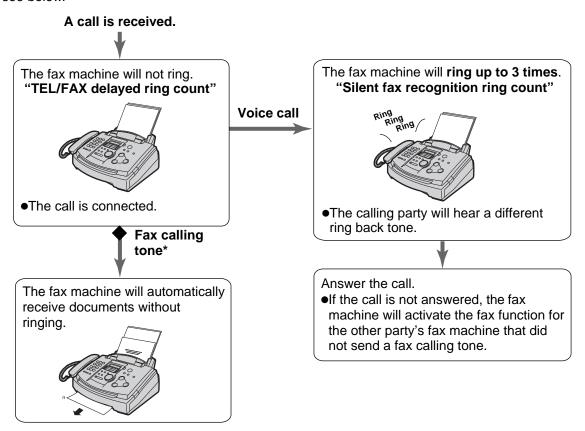
- •The fax activation code can be changed in feature #41 (p. 57).
- If the wrong fax activation code is entered, the caller must wait at least 5 seconds to reenter the correct code

Receiving Faxes

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 the unit ringing. When a call is received, the fax machine will work as follows. To set TEL/FAX mode, see below.



* A fax calling tone is automatically generated by the sending fax machine. Some fax machines do not have this capability.

Note:

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

Display:

INCOMING CALL

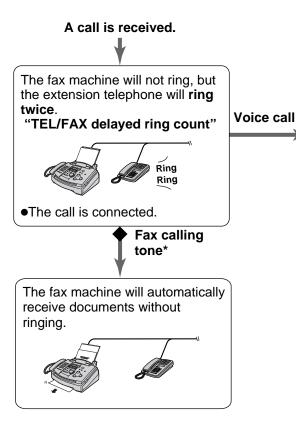
•The ringer should be on (p. 21).

To set TEL/FAX mode

- 1. Set feature #77 to "TEL/FAX" (p. 59).
- **2.** If the AUTO ANSWER light is off, turn it on by pressing **AUTO ANSWER** .



When an extension telephone is connected



- * A fax calling tone is automatically generated by the sending fax machine. Some fax machines do not have this capability.
- ** This feature may not function depending on the type of an extension telephone. If the fax machine activates the fax function, press **STOP** on the fax machine in step 2 to talk with the calling party.

The extension telephone will not ring, but the fax machine will ring up to 3 times.

"Silent fax recognition ring count"



•The calling party will hear a different ring back tone.

You can answer the call with the extension telephone.**

- 1. Lift the handset.
- 2. Enter (*) (0) (default code) while the ring back tone is heard.
- •The code number can be changed in feature #49 (p. 57).



Answer the call.

•If the call is not answered, the fax machine will activate the fax function for the other party's fax machine that did not send a fax calling tone.

TEL/FAX delayed ring count

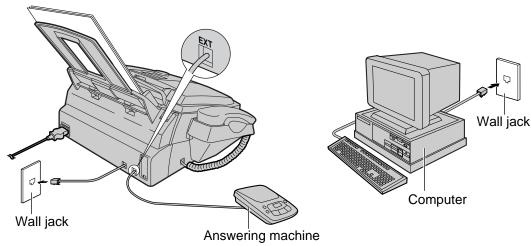
The number of rings generated before the fax machine answers depends on the setting of feature #78 on page 59. The fax machine will not generate an audible ring during this time.

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 56. This signal will not ring at an extension telephone.

Using with an answering machine and computer _____

We recommend that you always connect the fax machine directly to the wall jack.



Note:

- Set the fax machine to TEL mode.
- The device which has the shortest ring count will answer a call first.
- If you use your computer as an answering machine, connect the telephone line cord from the EXT jack to the computer.

Extension telephone ____

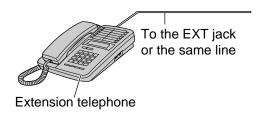
If you use the fax machine with an extension telephone, you can receive fax documents using the extension telephone. You do not have to press (FAX START) on the fax machine.

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. 57).



Pager call - when the unit receives a fax :

This feature allows your unit to call your pager when your unit receives a fax document.

Press MENU.

Display: SYSTEM SET UP

Press #, then 70.

FAX PAGER CALL

? Press SET.

MODE=OFF ₹2

Rotate **JOG DIAL** to select "ON".

MODE=ON (2)

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

Press SET.

NO.=

Enter your pager number up to 30 digits.

Example: NO.=12025551234

7 Press **SET**.

PIN=

Enter your pager access code up to 10 digits if required.

Example:

PIN=12345678

Press SET .

MSG.=07734

- •The default code 07734 will show "Hello!" on your pager.
- •If you want to change this message, enter your message up to 30 digits.

Example:

MSG.=5555

10 Press SET.

•The unit will dial the stored number.

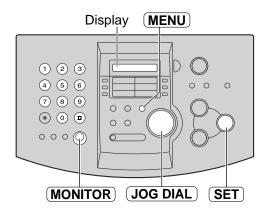
PAGER TEST

11

Check that your pager received the pager test call.

12

Press MONITOR .



Note:

 If you have subscribed to a Caller ID service, your pager will display the caller's telephone number instead of the message.

When your pager receives a pager call

Your pager will display the message you entered in step 9. (For example: 5555)



Copying

Making a copy **■**

The unit can make single or multiple copies (up to 99).

- Adjust the width of the document guides to the size of the document.
- Insert the document (up to 15 pages) FACE DOWN until the unit grabs the document and a single beep is heard.

Display: STANDARD

•Make sure the handset is on the cradle.

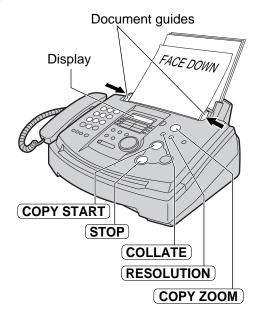
Press (COPY START).

100% FINE [01]

•If necessary, enter the number of copies (up to 99).

Press (COPY START).

•The unit will start copying.



Note:

• Any transmittable document can be copied (p. 33).

To stop copying

Press STOP.

Convenient way to make a copy =

The following settings are available before you start copying.

- Resolution
- Reduction/enlargement rate
- ◆Collation (sort)

To select the resolution according to the type of document

Press (**RESOLUTION**) repeatedly to select the desired setting.

FINE: For printed or typewritten originals with small printing.

SUPER FINE: For originals with minute printing.

PHOTO: For originals containing photograph.

PHOTO WITH TEXT: For originals containing photograph and

100% MIXED [01]

Display while copying

100% S-FINE[01]

100% PHOTO [01]

[01]

100% FINE

•If you select "STANDARD", copying will be done using "FINE" mode.

50

To reduce or enlarge a document

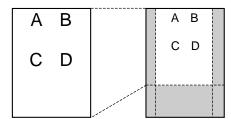
To make a reduced copy, press

COPY ZOOM

repeatedly and select the desired reduction rate. The unit can reduce copies to as little as 50% of the original by changing the reduction rate 5% at a time.

Example: 70% reduced copy

Original document Reduced copy

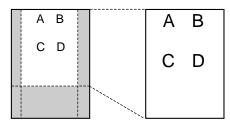


To make an enlarged copy, press

COPY ZOOM repeatedly and select the desired enlargement rate. The unit can enlarge copies to as much as 200% of the original by changing the enlargement rate 5% at a time.

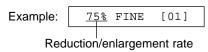
Example: 150% enlarged copy

Original document Enlarged copy



Note:

•The display will show the rate you selected while copying.



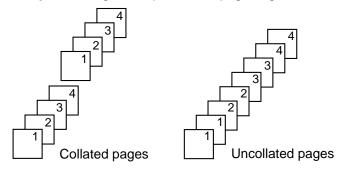
• For an enlarged copy, the unit will only enlarge the center of the upper part of the document. To make an enlarged copy of the bottom of the document, turn the document around, insert it into the unit, and then make a copy.

To collate multiple copies

The unit can collate multiple copies in the same order as the original document pages. Press (COLLATE) until the following is displayed and start copying.

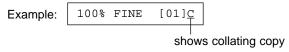
Display: COLLATE=ON

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



Note:

- The unit will store the documents into memory while collating copy. If memory becomes full while storing, the unit will only print out the stored pages.
- •While collating copies, the display will show the following.



Programming:

The unit provides various programming features. Program the desired settings by referring to the programming tables (p. 53–59).

General programming method

Press MENU.

Display: | SYSTEM SET UP

Select the feature you wish to program.

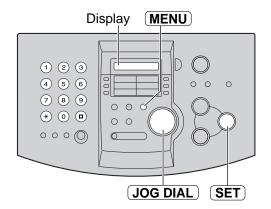
■For basic features (p. 53, 54):
Rotate JOG DIAL until the desired feature is displayed.

■For advanced features (p. 55–59):
Rotate JOG DIAL until the following is displayed.

ADVANCED MODE

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 for code numbers (p. 53–59).

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 17 for details.
#02	YOUR LOGO To set your logo.	(Up to 30 characters)	See page 18 for details.
#03	YOUR FAX NO. To set your facsimile telephone number.	(Up to 20 digits)	See page 20 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. "ON": The sending report will be
	(p. 34).	OFF	printed out after every transmission.
#06	FAX RING COUNT To change the number of rings before the unit answers a call in FAX ONLY mode.	1, 2, 3 , 4, 5 EXT.TAM	This setting is also available after activating FAX ONLY mode (p. 43). If you are using the unit with an answering machine, set to "5 EXT.TAM" (p. 44).

Basic features (cont.) =

How to set menu options

- 1. Press MENU.
- **2.** 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 52 for more details.

Programming table (cont.)

Code	Display & Feature	Settings	How the unit operates
#12	REMOTE TAM ACT. If you are using the unit with an answering machine, activate this feature, and set the remote activation ID to secure the remote	ON / ID=11	To select "ON" and enter ID: 1. Press MENU. 2. Rotate JOG DIAL and select this feature. 3. Press SET. 4. Rotate JOG DIAL to select "ON".
	operation for the answering machine.	OFF	 5. Press SET . 6. Enter your ID from 1 to 5 digits, using 0–9, * and #. 7. Press SET . 8. Press MENU .
#13	DIALING MODE	TONE	"TONE": For tone dial service. "PULSE": For rotary pulse dial
#13	13 If you cannot dial, change the setting depending on your telephone line service.	PULSE	service.
#16	PAPER SIZE	LETTER	"LETTER": Letter size paper. "LEGAL": Legal size paper.
#10	To set the recording paper size.	LEGAL	
#17	MELODY RINGER	BELL	You can select the bell or the melody. The selected bell or melody will
#17	To set the ring melody.	MELODY (A, B, C, D)	sound while setting.

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 52 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
#22	To print the journal report automatically for fax communications.	OFF	new fax communications (p. 34).
	OVERSEAS MODE If you have difficulty sending an	NEXT FAX	"NEXT FAX": This setting is effective only for the next attempted fax transmission. After transmission, the
#23	overseas fax, activate this feature before starting transmission. This feature makes sending documents easier as the transmission speed is	ERROR	unit will return to the previous setting. "ERROR": When the previous fax transmission fails and you redial the same number.
	slowed down.	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 .
#25	 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 .
#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. 28).

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 52 for more details.

Programming table (cont.)

Code	Display & Feature	Settings	How the unit operates
#30	SILENT FAX RING To change the number of rings when the unit detects a voice call in TEL/FAX mode.	3 , 4, 5, 6	See pages 46 and 47 for details.
	RING DETECTION If you subscribe to a Distinctive Ring Service (Identa-Ring) from	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)
#31	#31 your telephone company, activate this feature. This feature is also required for voice mail service.	OFF	C: Triple ring (short-long-short rings) D: Other triple ring (short-short-long rings) For more information about telephone services, contact your telephone company.
	AUTO REDUCTION	ON	"ON": The unit will fit a received document onto your recording
#37	To receive a fax document that is longer than your recording paper.	OFF	paper. "OFF": The unit will print the original size.
#39	LCD CONTRAST	NORMAL	"NORMAL": For normal contrast "DARKER": Used when the display
55	To adjust the display contrast.	DARKER	contrast is too light.

Code	Display & Feature	Settings	How the unit operates
#40	SILENT DETECT. If you use the unit with an answering machine and wish to	ON	•If the other party's fax machine does not send a fax calling tone, select "ON". The unit detects a silent pause and activates the fax function.
#40	receive faxes from older model fax machines, activate this feature.	OFF	If you use an answering machine to give greeting messages and record incoming messages on a single cassette tape, select "OFF".
	FAX ACTIVATION	ON /	 Follow steps 1–3 on page 56. Rotate JOG DIAL to select "ON".
#41	If you use an extension telephone and wish to use it to receive a fax, activate this feature, and enter the	CODE= * 9	3. Press SET .4. Enter your code from 2 to 4 digits, using 0–9 and *.
	code (p. 48). This code is also used to receive a voice message and a fax in the same call (p. 45).	OFF	5. Press SET . 6. Press MENU . •Do not enter "0000".
	RECEIVE ALERT	ON	If you hear slow beeps, clear the printing problem or supply paper to
#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.
	FRIENDLY RCV	ON	"ON": You do not have to press FAX START for fax reception.
#46	To receive a fax automatically when you answer a call and hear a fax calling tone (slow beep).	OFF	
	AUTO DISCONNECT	ON /	 Follow steps 1–3 on page 56. Rotate JOG DIAL to select "ON".
#49	To answer a call with an extension telephone in TEL/FAX mode (p. 47).	CODE= * 0	3. Press SET .4. Enter your code from 2 to 4 digits,
		OFF	using 0–9 and *. 5. Press SET . 6. Press MENU .

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 52 for more details.

Programming table (cont.)

Code	Display & Feature	Settings	How the unit operates
	ECM SELECTION ECM stands for Error Correction	ON	This feature is available when the transmitting/receiving stations are ECM compatible.
#68	Mode. To send a fax even if there is static interference on the telephone line.		•If documents are in memory, clear them before making the setting (p. 42).
	FAX PAGER CALL	ON	See page 49 for details.
#70	If you have a pager and wish to know when your unit receives a fax, activate this feature.	OFF	
	IQ-FAX	ON	See page 35 for details.
#75	To apply to the NetMoves Global Fax Network and activate the IQ-FAX function.	OFF	
	CONNECTING TONE	ON	You can confirm the status of the other party's machine.
#76	#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	•If the ring back tone continues, the other party's machine may not be a
#10		OFF	facsimile or may have run out of paper. Check with the other party. The connecting tone volume cannot be adjusted.

Code	Display & Feature	Settings	How the unit operates
#77	AUTO ANSWER	FAX ONLY	"FAX ONLY": Facsimile only mode (p. 43)
#11	To change the receive mode in the AUTO ANSWER setting.	TEL/FAX	"TEL/FAX": Telephone/Facsimile mode (p. 46, 47)
	TEL/FAX RING		See pages 46 and 47 for details.
#78	If you use an extension telephone in TEL/FAX mode, select the desired number of rings of the extension telephone.	1, 2 , 3, 4	
#79	TONER SAVE	ON	"ON": The toner cartridge will last longer.
#19	To save on toner consumption.	OFF	This feature may reduce print quality.
#80	SET DEFAULT To reset on advanced features to	YES	 Follow steps 1–3 on page 58. Rotate JOG DIAL to select "YES".
#60	their default settings.	NO	3. Press SET . 4. Press SET again. 5. Press MENU .

Error Messages

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. 34).

Communication message	Error code	Cause & solution
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	 A line problem occurred. Connect the telephone line cord to a different jack and try again. An overseas transmission error occurred. Try using the overseas mode of feature #23 (p. 55).
DOCUMENT JAMMED	_	•The document is jammed. Remove the jammed document (p. 72).
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 the 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 front cover was opened. Close it and try again.
ОК	_	●Fax communication was successful.

Display _____

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

Display message	Cause & solution
CALL SERVICE	There is something wrong with the unit. Contact our service personnel.
CHANGE DRUM	•There is something wrong with the drum unit. Replace the drum unit and the toner cartridge (p. 68).
CHECK DOCUMENT	●The document was not fed into the unit properly. Reinsert the document. If misfeeding occurs frequently, clean the document feeder rollers (p. 74) and try again. If the problem remains, adjust the feeder pressure (p. 73).
CHECK DRUM	●The drum unit was not inserted properly. Reinsert it correctly (p. 12).
CHECK MEMORY	Memory (telephone numbers, parameters, etc.) has been erased. Re-program.
COVER OPEN	●The front cover is open. Close it.
FAILED PICK UP	•Recording paper was not fed into the unit properly. Reinsert the recording paper (p. 71).
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. 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. 24).
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 into sections.
MODEM ERROR	There is something wrong with the modem circuit. Contact our service personnel.

(continued)

Error Messages

Display message	Cause & solution
NO FAX REPLY	The other party's fax machine is busy or has run out of recording paper. Try again.
OUT OF PAPER	 Recording paper is not installed or the unit has run out of paper. Install paper (p. 15). Recording paper is not fed into the unit properly. Reinstall paper (p. 15).
PAPER JAMMED	•A recording paper jam occurred. Clear the jammed paper (p. 70).
PLEASE WAIT	●The unit is warming up. 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. 72). Attempted to transmit a document longer than 600 mm. Press STOP to remove the document. Divide the document into two or more sheets and try again.
TONER EMPTY	●The toner cartridge is empty. Replace the toner cartridge (p. 68).
TONER LOW	•The remaining toner is low. Replace the toner cartridge as soon as possible (p. 68). We recommend you replace the drum unit every third time you replace the toner cartridge. To check the drum life and quality, please print the printer test list (p. 76).
TRANSMIT ERROR	●A transmission error occurred. Try again.
UNIT OVERHEATED	●The unit is too hot. Let the unit cool down.
WRONG PAPER	•The unit printed on paper which is shorter than letter size paper. To prevent the drum unit from becoming dirty, use letter or legal size paper.

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

General

Problem	Cause & solution
I cannot make and receive calls.	 The power cord or telephone line cord is not connected. Check the connections (p. 16). 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. 54).
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 (p. 21).
The other party complains they only hear a fax tone and cannot talk.	 ◆FAX ONLY mode is set. Tell the other party the number is only used for faxes. ◆Change to TEL mode (p. 42) or TEL/FAX mode (p. 46).
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 properly.	 A Distinctive Ring pattern of feature #31 is set (p. 56). TEL/FAX mode is set (p. 46, 47).
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 #12 (p. 54), #41 and #49 (p. 57).
The unit beeps.	Recording paper has run out. Press STOP to stop the beeps and install paper.

Operations

Fax - sending

Problem	Cause & solution
I cannot send documents.	 The telephone line cord is connected to the EXT jack on the unit. Connect to the LINE jack (p. 16). 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 the 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. 74).
I cannot make an international fax call.	 Use the overseas transmission mode of feature #23 (p. 55). Add two pauses at the end of the telephone number or dial manually.

Fax - receiving

Problem	Cause & solution					
I cannot receive documents.	•The telephone line cord is connected to the EXT jack on the unit. Connect to the LINE jack (p. 16).					
I cannot receive documents automatically.	 The receive mode is set to TEL mode. Set to FAX ONLY mode (p. 43) or TEL/FAX mode (p. 46). The time taken to answer the call is too long. Decrease the number of rings of features #06 (p. 53), #30 (p. 56) and #78 (p. 59). 					
The display shows the following message, but faxes are not received. CONNECTING	•The incoming call is not a fax. Change the receive mode to TEL mode (p. 42).					
A blank sheet is ejected.	•The other party placed the document in their fax machine the wrong way. Check with the other party.					
A white line or a dirty pattern appears on your recording paper.	●The glass or rollers are dirty. Clean them (p. 74).					

(continued)

Fax – receiving (cont.)

Problem	Cause & solution			
The printing quality is poor.	 The other party sent a faint document. Ask them to send a clearer copy of the document. Some paper has instructions recommending which side to print on. Try turning the paper over. You may have used paper with a cotton and/or fiber content that is over 20%, such as letterhead or resume paper. The remaining toner is low. Replace the toner cartridge (p. 68). We recommend you replace the drum unit every third time you replace the toner cartridge (p. 68). To check the drum life and quality, please print the printer test list (p. 76). The toner save mode of feature #79 is on (p. 59). 			

Receive mode

Problem	Cause & solution	
I cannot select the desired receive mode.	 If you want to set FAX ONLY or TEL/FAX mode: —select the desired mode using feature #77 (p. 59), and —press (AUTO ANSWER) to turn on the AUTO ANSWER light. If you want to set TEL mode: —press (AUTO ANSWER) to turn off the AUTO ANSWER light. 	AUTO ANSWER 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 AUTO ANSWER light.	AUTO ANSWER ON······

Copying

Problem	Cause & solution				
The unit does not make a copy.	 You cannot make a copy during programming. Make the copy after programming or stop programming. 				
A black line, a white line or a dirty pattern appears on the copied document.	●The glass or rollers are dirty. Clean them (p. 74).				
The printing quality is poor. Original Copy ABC ABC	 Some paper has instructions recommending which side to print on. Try turning the paper over. You may have used paper with a cotton and/or fiber content that is over 20%, such as letterhead or resume paper. The remaining toner is low. Replace the toner cartridge (p. 68). We recommend you replace the drum unit every third time you replace the toner cartridge (p. 68). To check the drum life and quality, please print the printer test list (p. 76). The toner save mode of feature #79 is on (p. 59). 				

Operations

Using an answering machine

Problem	Cause & solution				
I cannot receive documents automatically.	 Your greeting message on the answering machine is too long. Shorten the message (up to 10 seconds). The answering machine rings too many times. Set to 1 or 2 rings. 				
I cannot receive voice messages.	 Check if the answering machine is turned on and connected to the fax machine properly (p. 44). Set the number of rings on the answering machine to 1 or 2. 				
I cannot retrieve recorded voice messages on the answering machine from a remote location.	 The remote access code on your answering machine is the same as your fax activation code. Set a different number for features #12 (p. 54) and #41 (p. 57). You did not program your remote access code in your fax machine correctly. Program the same code that is programmed on the answering machine to the fax machine with feature #12 (p. 54). 				
I pressed the remote access code to access the answering machine remotely, but the line was disconnected.	●The code may include "#" which is used for certain features provided by telephone companies. Change the code on the answering machine to another number which does not include "#". Also change the code of the fax machine with feature #12 (p. 54).				
Callers complain that they cannot send a document.	 Your answering machine has run out of recording tape. Rewind the tape to record messages. You set the answering machine to only give a greeting message. 				

If a power failure occurs ____

- •The unit will not function.
- •Fax transmission and reception will be interrupted.
- •If delayed transmission of feature #25 (p. 55) 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

	POWER DOWN REPORT					AT:Jan. AT:Jan.			
				-		AI.uall.	05.	2000	04.31AM
			YOUR	LOGO	:				
			YOUR	FAX NO.	:				
	<pre><< WARNING >> CONTENTS HAVE BEEN CLEARED DUE TO POWER DOWN.</pre>								
	FOR ADDITIONAL INFORMAT	TION, PLEASE	SEE THE JOU	JRNAL RE	PORT.				
NO.	OTHER FACSIMILE	MODE	PAGES	FUNCT	ION				
01	<fax #="" avail.="" not=""></fax>	RCV	0.1	MEMOR'	Y REC	EIVE			

Replacing the toner cartridge and the drum unit =

■When the display shows the following message, replace the toner cartridge.

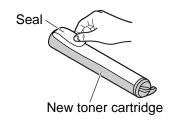
TONER LOW Or TONER EMPTY

■We recommend you replace the drum unit every third time you replace the toner cartridge. To check the drum life and quality, please print the printer test list (p. 76).

Model No. KX-FA76 toner cartridge and Model No. KX-FA77/KX-FA77D drum unit are available for replacement (p. 8).

Caution:

- ●The drum unit contains a photosensitive drum. Exposing it to light may damage the drum. Once you have opened the protection bag:
 - —Do not expose the drum unit to light for more than 5 minutes.
 - —Do not touch or scratch the green drum surface.
 - —Do not place the drum unit near dust or dirt, or in a high humidity area.
 - —Do not expose the drum unit to direct sunlight.
- Do not unplug the fax machine to prevent loss of fax documents in memory.
- Do not pour any toner into the toner cartridge.
- Remove the new toner cartridge from the protection bag. Peel off the seal from the toner cartridge.



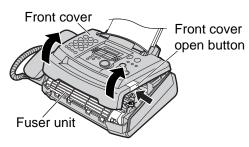
Push the front cover open button then open the front cover.

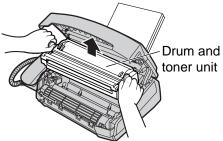


Caution:

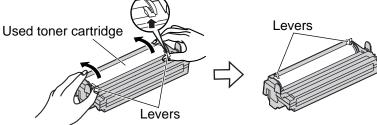
The fuser unit gets hot. Do not touch it.

- Tap on the used toner cartridge several times to allow the remaining toner to fall into the drum unit. Remove the drum and toner unit by holding the two tabs.
 - •If you replace the toner cartridge and the drum unit at the same time, skip to step 6.





Turn the two levers on the used toner cartridge firmly.



Replacement

- Pull up the right edge of the used toner cartridge (1). Remove the cartridge from the drum unit (2).
 - •The toner may stick to the cartridge and the drum unit. Be careful in handling. See page 4 for details.
 - Do not drop the toner on the green drum surface.
 - Put the used toner cartridge into the protection bag.
- If you replace the drum unit at the same time, remove the new drum unit from the protection bag. Remove the protection bar from the drum unit.

With Panasonic face up on the toner cartridge, match the red arrows on the cartridge and the drum unit.

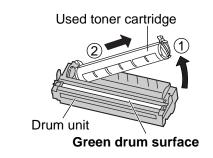
Slide the tab of the toner cartridge into the slot of the drum unit.

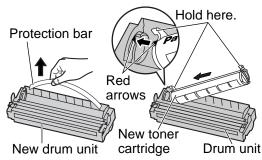
Firmly press down on the right side of the toner cartridge to snap into position and...

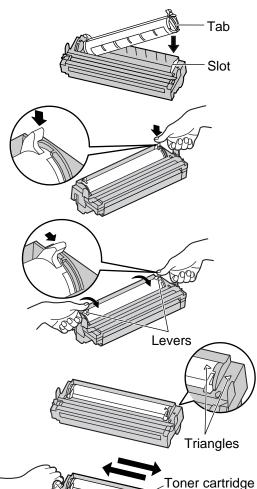
8b turn the two levers on the toner cartridge with firm pressure.

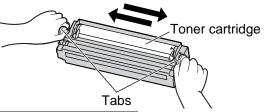
The toner cartridge is installed when the triangles match.

Tap on the toner cartridge several times to allow the toner to fall into the drum unit. Grab the tabs, and shake the drum and toner unit horizontally several times.









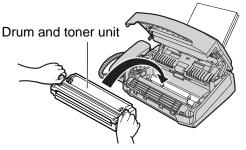
69

Replacement / Jams

Install the drum and toner unit by holding the tabs.

> •If the lower glass is dirty, clean it with a soft dry cloth.

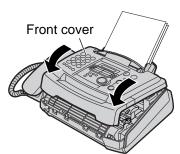
> > Lower glass



12 Close the front cover, until locked, by pushing down on both sides.

Waste disposal method

•Waste material may be dumped or incinerated under conditions which meet all federal, state and local environmental regulations.



Recording paper jam =

When the recording paper has jammed in the unit

The display will show the following message.

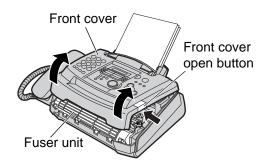
PAPER JAMMED

Push the front cover open button then open the front cover.



Caution:

The fuser unit gets hot. Do not touch it.



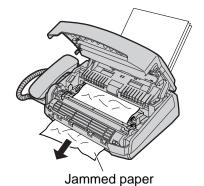
When the recording paper has jammed near the drum and toner unit: Remove the jammed paper by pulling it toward you.



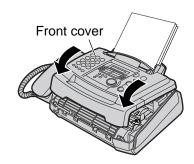
Jammed paper

When the recording paper has jammed near the recording paper exit:

Remove the jammed paper by pulling it toward you.



Close the front cover, until locked, by pushing down on both sides.



Remove the recording paper.
Straighten and reinsert it into the recording paper entrance.

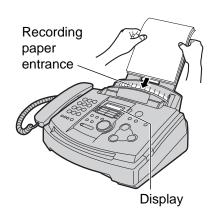


When the recording paper was not fed into the unit properly

The display will show the following message.

FAILED PICK UP

Remove the recording paper. Straighten and reinsert it into the recording paper entrance.



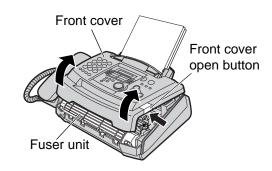
Document jams - sending :

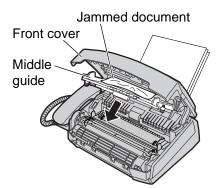
Push the front cover open button then open the front cover.

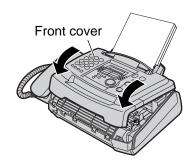


Caution:
The fuser unit gets hot.
Do not touch it.

- Pull down the middle guide while holding the front cover.
- Remove the jammed document carefully.
- Lift the middle guide firmly.
- Close the front cover, until locked, by pushing down on both sides.







Note:

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

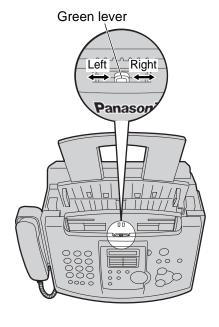


No feeding or multiple feeding occurs while sending _____

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

Shift the position of the green lever by using a stick like instrument with a pointed end.

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



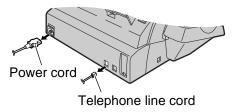
Cleaning the inside of the unit _____

If any of the following problems occurs, clean the inside of the unit:

- —If misfeeding of your original occurs frequently.
- —If a black line, a white line or a dirty pattern appears on your recording paper, on your original, or on the fax document received by the other party.

Caution:

- Be careful in handling the toner drum unit.
 See the caution for the drum unit on page 68 for details.
- •Do not use paper products, such as paper towels or tissues, to clean the inside of the unit.
 - Disconnect the power cord and the telephone line cord.

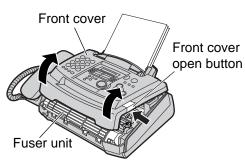


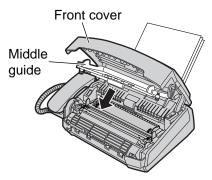
Push the front cover open button then open the front cover.



Caution:
The fuser unit gets hot.
Do not touch it.

Pull down the middle guide while holding the front cover.

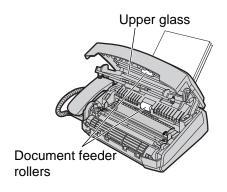




Clean the document feeder rollers with a cloth moistened with isopropyl rubbing alcohol, and let all parts dry thoroughly.

Clean the upper glass with a soft dry cloth.

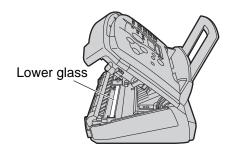
Lift the middle guide firmly.



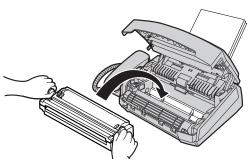
Remove the drum and toner unit by holding the two tabs.



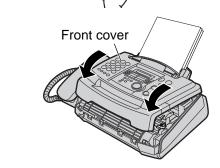
Clean the lower glass with a soft dry cloth.



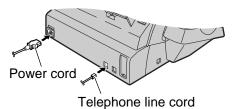
Reinstall the drum and toner unit by holding the tabs.



Close the front cover, until locked, by pushing down on both sides.



10 Reconnect the power cord and the telephone line cord.



Printed Reports

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. 53–59).

Telephone number list: provides you with names and telephone numbers which are stored in ONE-TOUCH DIAL and JOG DIAL.

Journal report: keeps records of fax transmission and reception. This report will be printed automatically after every 30 fax communications (p. 34).

Broadcast programming list: provides you with items which are stored in the broadcast feature (p. 37).

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 inside of the unit (p. 74). If printing quality is still poor, replace the toner cartridge and drum unit.

One-touch label card: provides you with names which are stored in the ONE-TOUCH DIAL keys (p. 22). You can put the card in the one-touch dial location.

Press MENU two times.

Display: PRINT REPORT

Rotate JOG DIAL until the desired item is displayed.

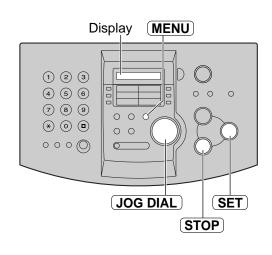
SETUP LIST

TEL NO. LIST

JOURNAL REPORT

BROADCAST LIST

PRINTER TEST
ONE-TOUCH LABEL



Press SET to start printing.

PRINTING

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

Press MENU.

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.
- 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 guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one 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.

Limited Warranty

Have any questions? For in warranty support, CALL 1-800-HELP-FAX (1-800-435-7329) on: operating the unit, getting repair service, and/or getting supplies.

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

In the event of a defect in materials or workmanship, 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 from the date of original purchase.

This Limited Warranty Excludes both Labor and Parts for: batteries, antennas, ink film, toner cartridge, drum unit, ink cartridge and cosmetic parts (cabinet).

Carry-in or mail-in service in the USA 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 mail-in 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. 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, toner cartridge or drum unit, 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.

For out of warranty technical support

 After the warranty has expired, please contact our Continued Services Technical Support Line at 1-900-555-PANA (1-900-555-7262) for support on a fee basis.

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 =

To obtain technical support within the warranty period or product service, please contact:1-800-HELP-FAX (1-800-435-7329), Monday-Friday 9am-8pm EST.

To obtain continued technical support after the warranty has expired, please contact: 1-900-555-PANA (1-900-555-7262) for support on a fee basis.

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 Servicenter Locations							
CALIFORNIA 6550 Katella Avenue Cypress, CA 90630 800 Dubuque Avenue S. San Francisco, CA 94080 3878 Ruffin Road Suite A San Diego, CA 92123 FLORIDA 3700 North 29th Avenue Suite 102 Hollywood, FL 33020	GEORGIA 8655 Roswell Road Suite 100 Atlanta, GA 30350 ILLINOIS 1709 North Randall Road Elgin, IL 60123 MASSACHUSETTS 60 Glacier Drive Suite G Westwood, MA 02090	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	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

Specifications

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. 8 s/page (ECM-MMR)** **Scanning Density:** Horizontal: 8 pels/mm (203 pels/inch)

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

7.7 lines/mm (196 lines/inch) -FINE/PHOTO/PHOTO WITH TEXT

15.4 lines/mm (392 lines/inch) -SUPER FINE

Halftone Level: 64-level

Scanner Type: Contact Image Sensor (CIS)

Printer Type: Laser Beam Printer

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

Modified Modified READ (MMR)

Modem Speed: 14,400 / 12,000 / 9,600 / 7,200 / 4,800 / 2,400 bps; Automatic Fallback **Operating Environment:** 10 °C - 32.5 °C (50 °F - 90.5 °F), 20 % - 80 % RH (Relative Humidity)

Dimensions (H x **W** x **D):** 190 mm x 417 mm x 345 mm (7½" x 16%" x 13%")

Mass (Weight): Approx. 6.5 kg (14.3 lb.)

Power Consumption: Standby: Approx. 5 W
Transmission: Approx. 25 W
Reception: Approx. 200 W

Copy: Approx. 200 W

Maximum: Approx. 560 W (When the fuser unit turns on)

Power Supply: 120 V AC, 60 Hz

Memory Capacity: Fax memory: Approx. 120 pages of memory transmission

Approx. 170 pages of memory reception

(Based on the ITU-T No. 1 Test Chart in standard

resolution.)

Laser diode properties: Laser output: Max. 5 mW

Wave length: 760 nm – 800 nm Emission duration: Continuous 10 ppm (pages per minute)

Print Speed: 10 ppm (pages p

Printing Resolution: 600 x 600 dpi

- * Transmission speed depends upon the contents of the pages, resolution, telephone line conditions and capability of the other party's machine.
- ** Transmission 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.

ITU-T No. 1 Test Chart



Toner life

Model No. KX-FA76 toner cartridge can print approx. 2,000 sheets of letter size paper with a 5% image area. Toner life depends on the amount of content in a received, copied or printed document. The following is the approximate relationship between image area and toner life for Model No. KX-FA76 toner cartridge. Toner life varies in actual usage.

5% image area



10% image area

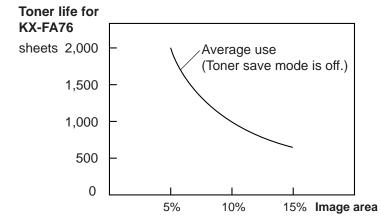


15% image area



Note:

- The image area changes with the depth, thickness and size of the characters.
- If you change the toner save setting to on, the toner cartridge will last approx. 40% longer.



Drum life

The included drum unit or Model No. KX-FA77/KX-FA77D can print approx. 6,000 sheets of letter size paper regardless of the content of the image area.

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.



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.

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Panasonic FAX ADVANTAGE PROGRAM

Free peace of mind, direct from Panasonic

NO EXTRA COST



- 1-year limited warranty¹: parts, labor, and toll-free help line²
- 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 new and unused 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 that you purchased new and unused while it is covered by the period of limited warranty¹, call our toll-free help-line at 1-800-HELP-FAX².
- 2. Talk to one of our technical experts to diagnose your problem over
- 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 by UPS overnight service

A second option available under our 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 unit⁶. You must ship a copy of your receipt with your original unit to verify that you purchased the unit within 10 days prior to vour 1-800-HELP-FAX call.

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.

- 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 is only available in the 50 United States 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.
- Panasonic reserves the right to send a refurbished unit.

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

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