

Panasonic

Compact Plain Paper Fax
Operating Instructions

Model No. **KX-FP152**



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 15 to 18.
- Note that the images of copied or received documents will remain on the used ink film. Use discretion when disposing of the used ink film.
- Do not rub or use an eraser on the printed side of recording paper, as the print may smear.

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.



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Important safety instructions

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

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on this unit.
3. Unplug this unit from power outlets before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this unit near water, for example near a bathtub, wash bowl, kitchen sink, or the like.
5. Place the unit securely on a stable surface. Serious damage and/or injury may result if the unit falls.
6. 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.
7. 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.
9. Do not place objects on the power cord. Install the unit where no one can step or trip on the cord.
10. Do not overload wall outlets and extension cords. This can result in the risk of fire or electric shock.
11. 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

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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Help

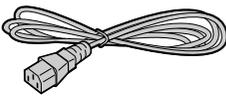
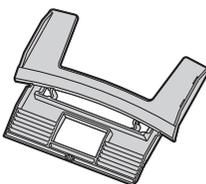
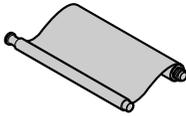
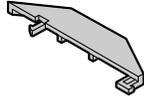
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Accessories

Included accessories

Power cord.....1  Part No. PFJA1030Z	Telephone line cord...1  Part No. PQJA10075Z	Handset.....1  Part No. PFJXE0805Z	Handset cord.....1  Part No. PFJA1029Z
Paper tray1  Part No. PFKS1056Z1	Ink film.....1 (included film roll) 	A4 paper guide1  Part No. PFZMFP155M	Operating instructions1  Part No. PFQX1579Y

- 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

- The included film roll is 10 meters (32½') long. We recommend that you buy full size replacement film – 50 meters (164') for continuous use of your unit. For best results, use genuine Panasonic replacement film Model No. KX-FA53 or KX-FA55.
- To install legal size recording paper, use a legal paper tray Model No. KX-FA50 (p. 12).

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

- **The ink film is not reusable. Do not rewind and use the ink film again.**
- 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:

PRESS NAVI. [◀ ▶] & SET

2 Press **◀** or **▶** until the desired item is displayed.

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

QUICK SET UP PRESS SET

2. How to program the features.

FEATURE LIST PRESS SET

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

DIRECTORY PRESS SET

4. Help with problems sending/receiving faxes.

FAX SND/RCV PRESS SET

5. How to use the copier function.

COPIER PRESS SET

6. Frequently asked questions and answers.

Q and A PRESS SET

7. Explanation of error messages shown on the display.

ERRORS PRESS SET

8. List of available reports.

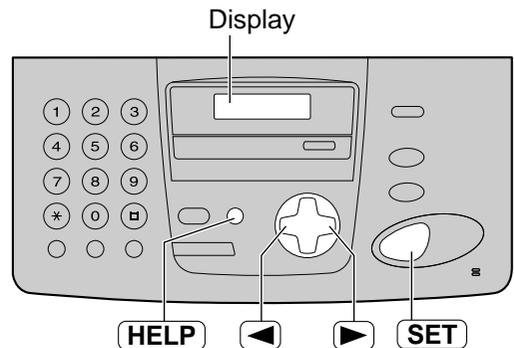
REPORTS PRESS SET

9. How to use the Caller ID service.

CALLER ID PRESS SET

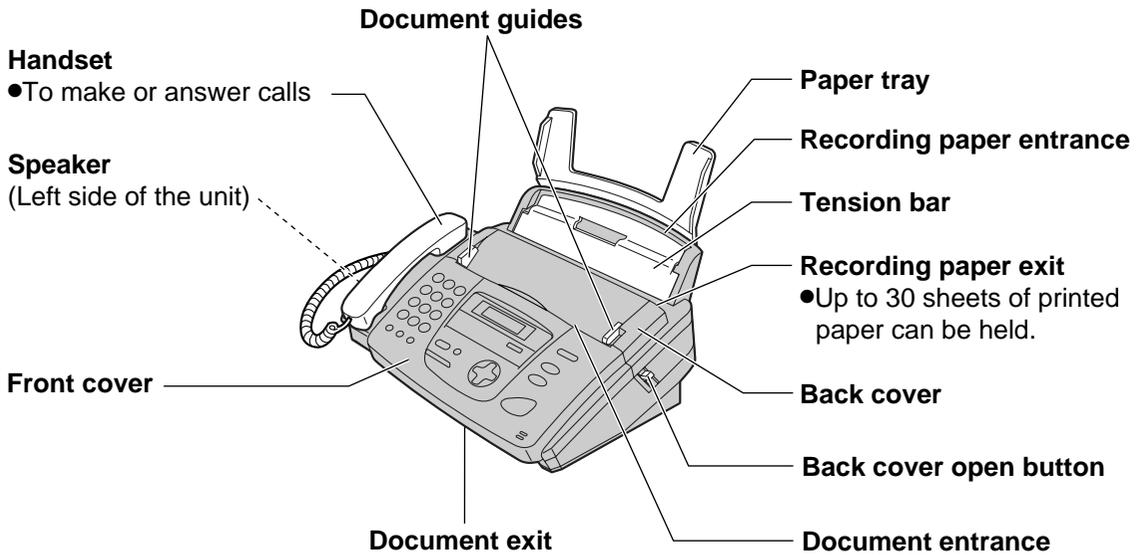
3 Press **SET**.

PRINTING



Finding the Controls

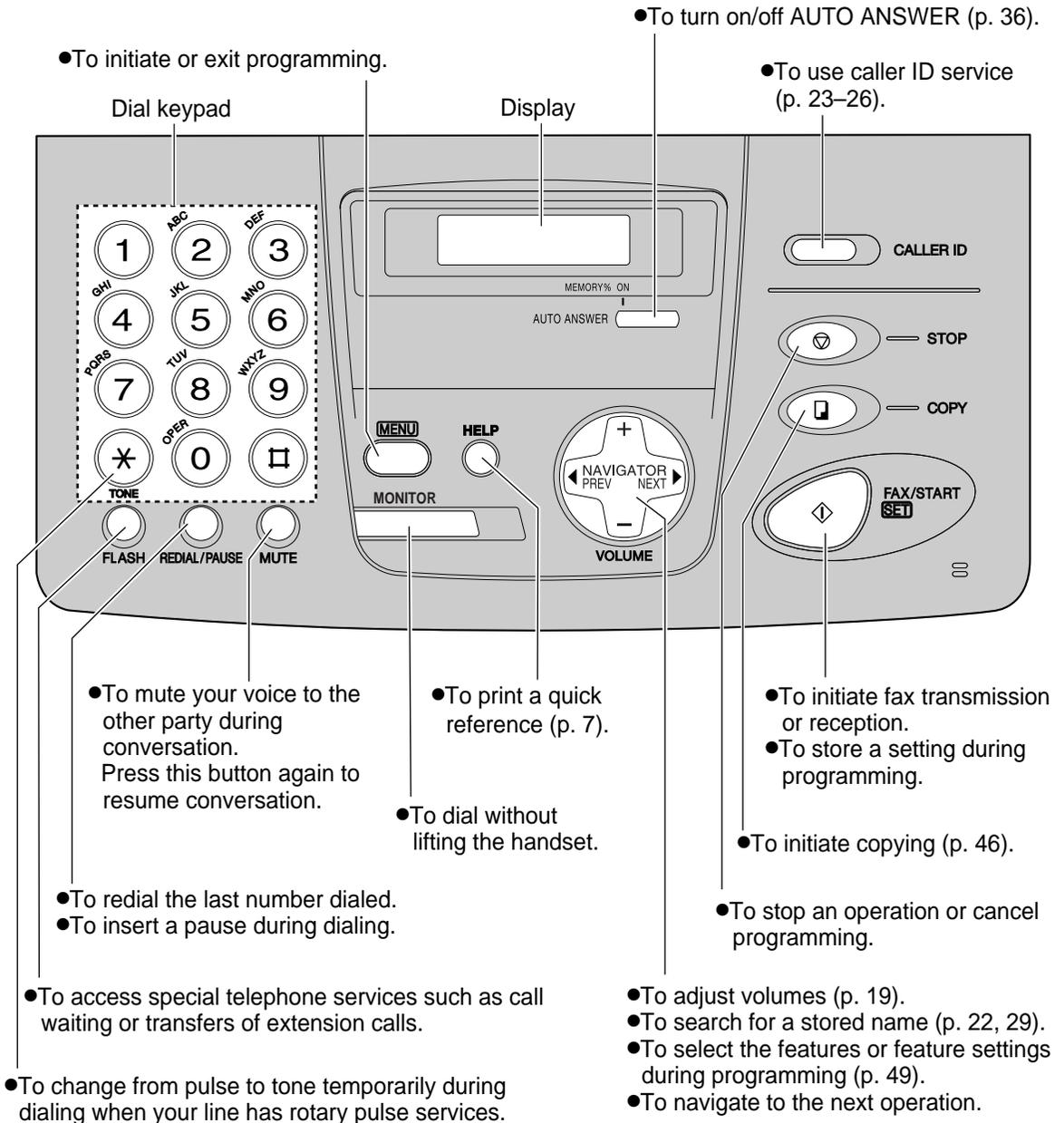
Overview



Note:

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

Location



Setup

Ink film – installing / replacing

Install the included ink film or replace the used ink film with new one.

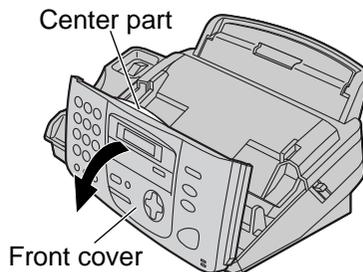
The following ink films are available for replacement. Each roll prints about 150 letter-size pages.

See page 6 for accessory information.

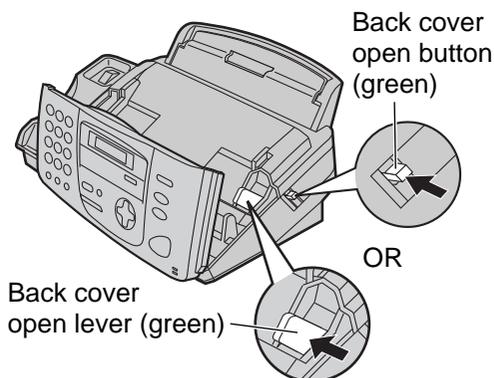
Model No. KX-FA53: Replacement film (1 roll)

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

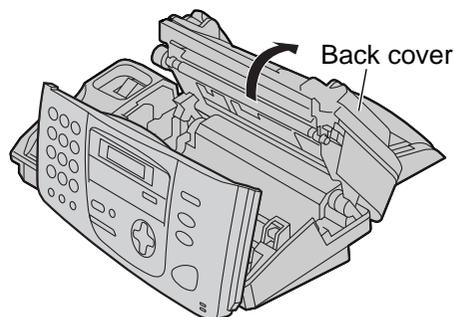
- 1** Open the front cover by pulling up the center part.



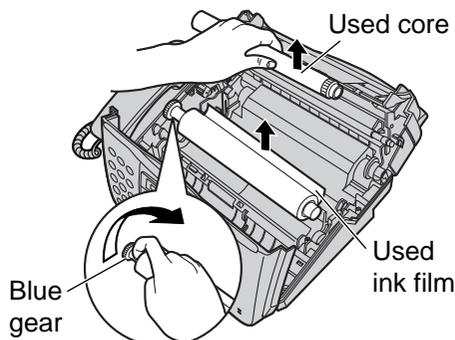
- 2** Push the back cover open button (green) on the right side of the unit.
OR
Push the back cover open lever (green) inside of the unit.



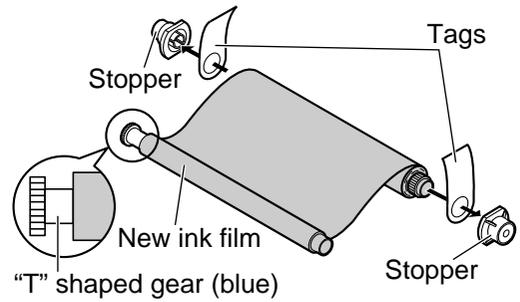
- 3** Open the back cover.
- If you install the included ink film, skip to step 6.



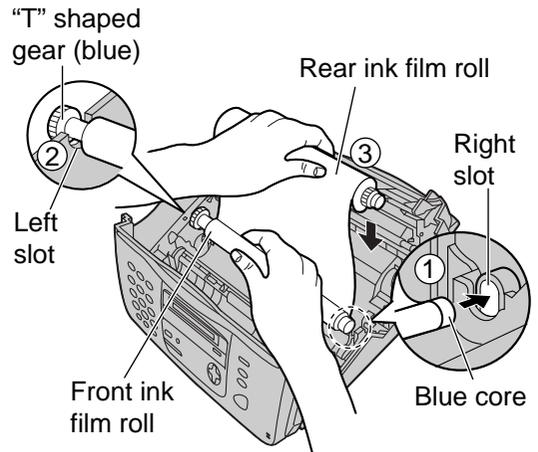
- 4** **For replacement only**
Pull out the blue gear and remove the used ink film. Remove the used core.



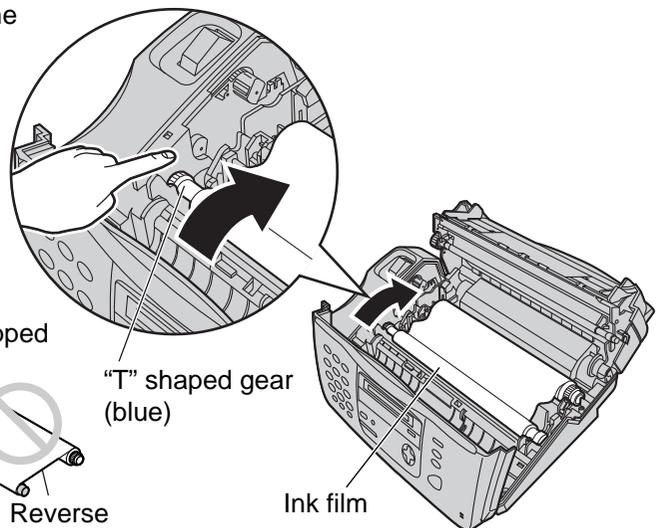
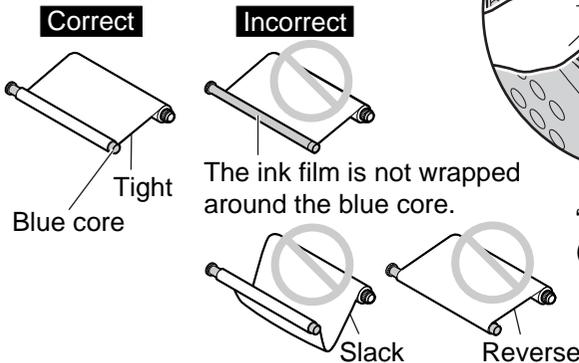
- 5 For replacement only**
Remove the stoppers and tags from the new ink film. Find the "T" shaped gear (blue).



- 6** Insert the blue core of the front ink film roll into the right slot of the unit (①). Insert the "T" shaped gear (blue) into the left slot of the unit (②).
Insert the rear ink film roll (③).

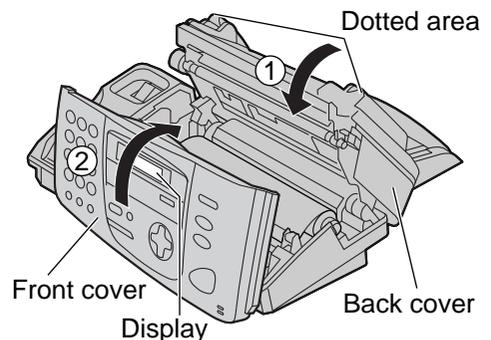


- 7** Turn the "T" shaped gear (blue) in the direction of the arrow.
● Make sure that the ink film is wrapped around the blue core at least once.



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

Display: PLEASE WAIT



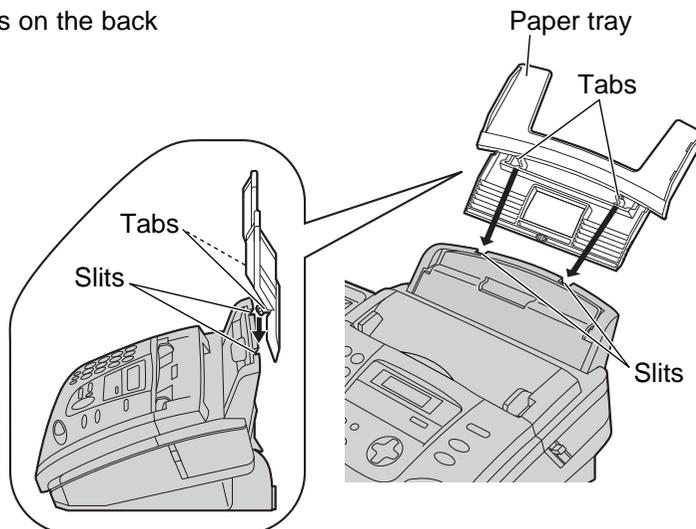
Note:

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

Setup

Paper tray

Insert tabs on the paper tray into slits on the back of the unit.

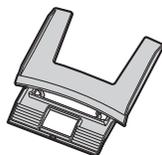


Note:

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

To use legal size paper

- Please purchase a legal paper tray, Model No. KX-FA50 (p. 6) and install as shown above.

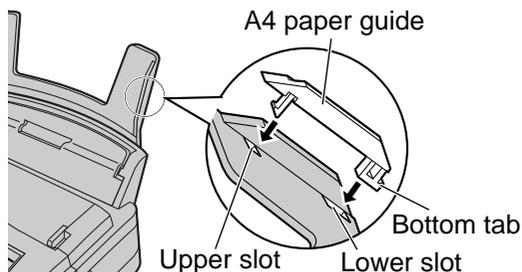


KX-FA50
Legal paper tray

To use A4 size paper

You need to install the A4 paper guide to the right side of the paper tray.

1. Insert the bottom tab on the A4 paper guide into the lower slot.
2. Press the guide into the upper slot.



Recording paper

Letter, legal or A4 size recording paper can be loaded. The unit can hold up to 50 sheets of 60 g/m² to 75 g/m² (16 lb. to 20 lb.) paper or 30 sheets of 90 g/m² (24 lb.) paper.

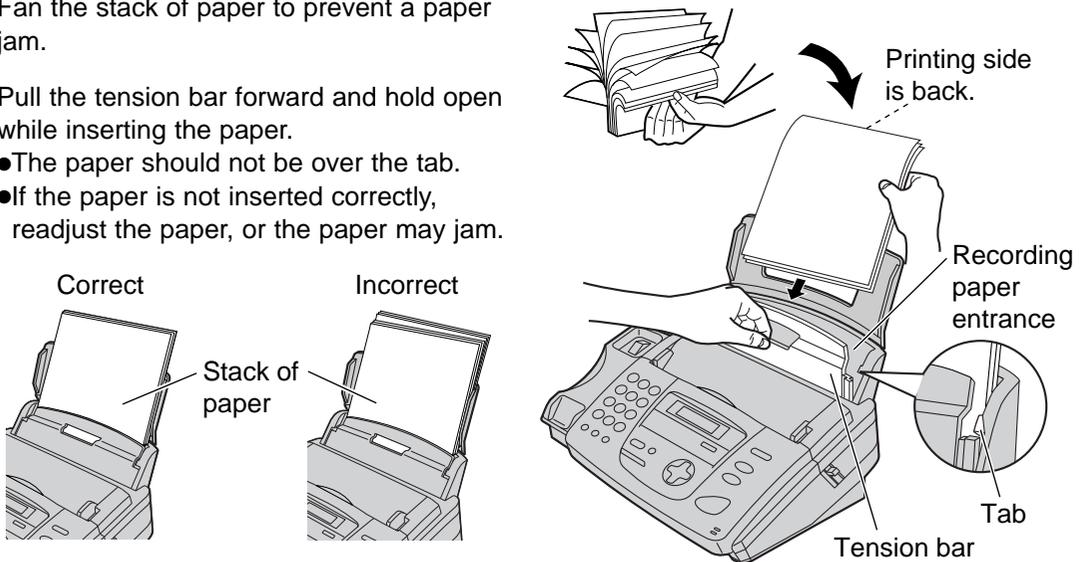
Set the recording paper size (feature #16 on page 51) according to the paper size you use, after connecting the unit (p. 14).

–**To use legal size paper**, please install an optional legal paper tray, Model No. KX-FA50 (p. 6, 12).

–**To use A4 size paper**, install the included A4 paper guide to the paper tray (p. 12).

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

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



Note for recording paper:

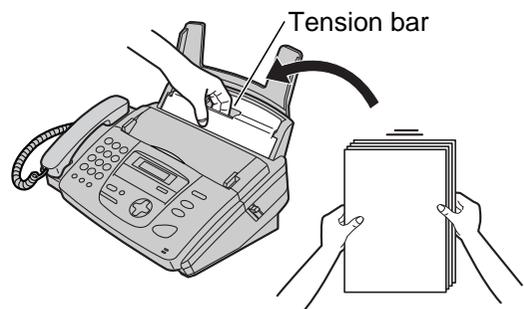
- Avoid using paper with a cotton and/or fiber content that is over 20%, such as letterhead paper or paper used for resumes.
- Do not use different types or thicknesses of paper at the same time. This may cause a paper jam.
- Avoid extremely smooth or shiny paper that is highly textured.
- Avoid paper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

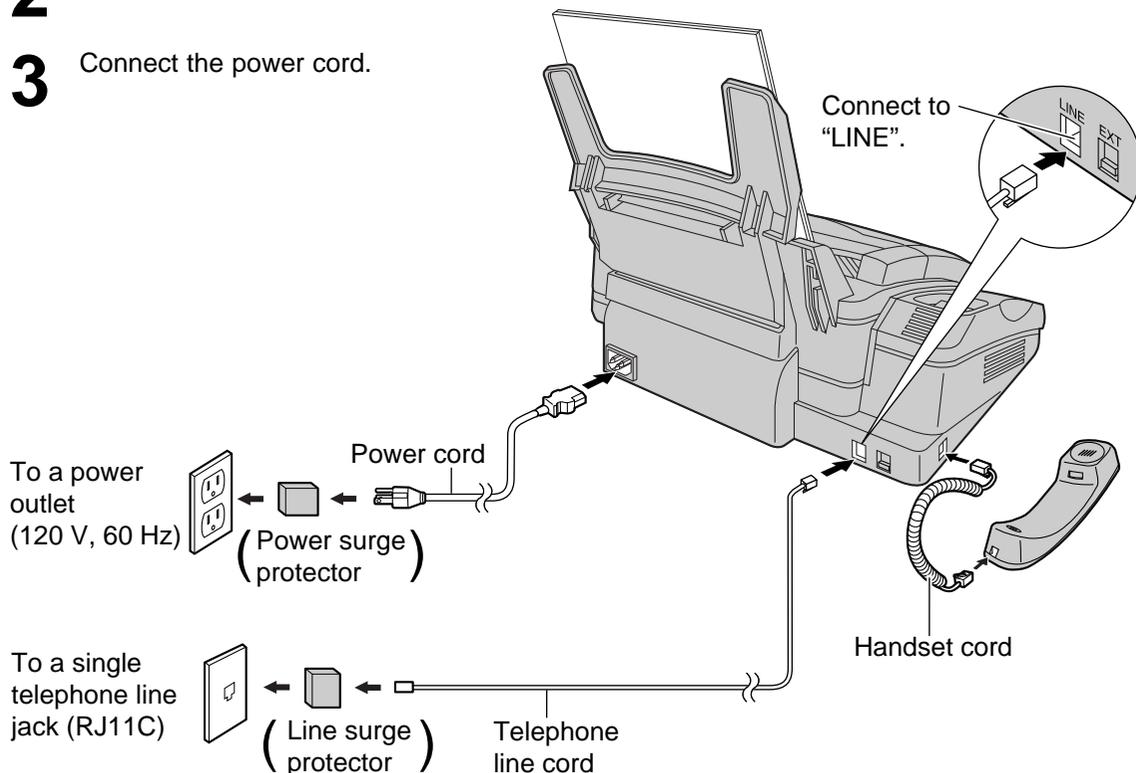
1. Pull the tension bar forward and hold open while removing all of the installed paper.
2. Add paper to the removed paper and straighten.
3. Fan the stack of paper.
4. Pull the tension bar forward and hold open while inserting the paper.



Setup

Connections

- 1 Connect the handset cord.
- 2 Connect the telephone line cord.
- 3 Connect the power cord.



Caution:

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

Note:

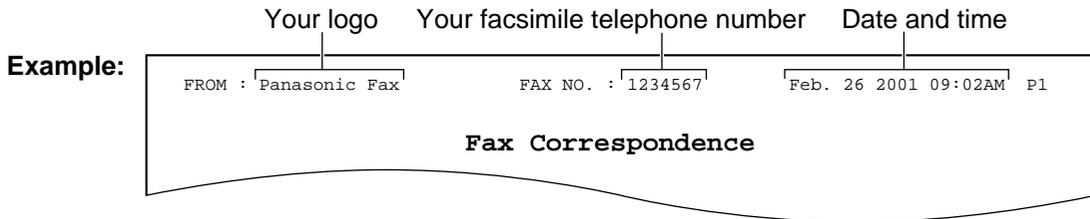
- For additional equipment protection, we recommend you use a surge protector. The following types are available: TELESPIKE BLOK MODEL TSB (TRIPPE MFG. CO.), SPIKE BLOK MODEL SK6-0 (TRIPPE MFG. CO.), SUPER MAX (PANAMAX) or MP1 (ITW LINX).

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 42.

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

1 Press **MENU**.

Display: SYSTEM SET UP
PRESS NAVI. [◀ ▶]

2 Press **◀** or **▶** until the following is displayed.

SET DATE & TIME
PRESS SET

3 Press **SET**.

Cursor
Example: M: 01/D: 01/Y: 01
TIME: 12:00AM

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

Example: Aug. 10, 2001

Press **081001**.

M: 08/D: 10/Y: 01
TIME: 12:00AM

5 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 **0315**.

M: 08/D: 10/Y: 01
TIME: 03:15AM

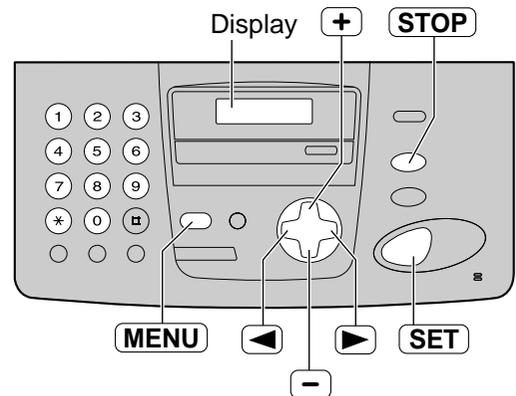
2. Press ***** until "PM" is displayed.

M: 08/D: 10/Y: 01
TIME: 03:15PM

6 Press **SET**.
•The next feature will be displayed.

YOUR LOGO
PRESS SET

7 Press **MENU**.



Note:

- You can enter the number by pressing **+** or **-** in steps 4 and 5. 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.

Setup

Setting your logo

The logo can be your company, division or name.

1 Press **MENU**.

Display: SYSTEM SET UP
PRESS NAVI. [◀ ▶]

2 Press **◀** or **▶** until the following is displayed.

YOUR LOGO
PRESS SET

3 Press **SET**.

LOGO=

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

Example: "Bill"

1. Press **2** twice.

Cursor
LOGO=B

2. Press **4** six times.

LOGO=Bi

3. Press **5** six times.

LOGO=Bi1

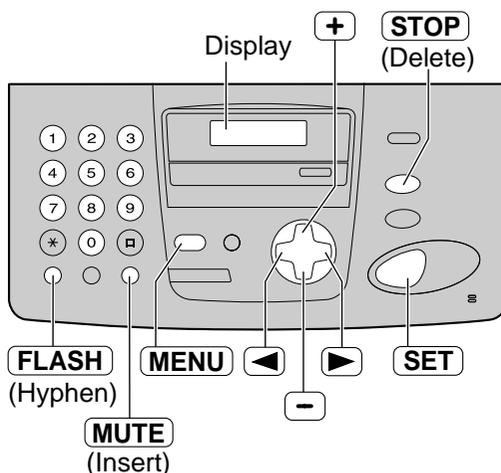
4. Press **▶** to move the cursor to the next space and press **5** six times.

LOGO=Bill

5 Press **SET**.
•The next feature will be displayed.

YOUR FAX NO.
PRESS SET

6 Press **MENU**.



Note:

- You can enter your logo by pressing **+** or **-** (see the next page) in step 4. In this case, press **▶** to move the cursor.

To correct a mistake

- Press **◀** or **▶** to move the cursor to the incorrect character, and make the correction.

To delete a character

- Move the cursor to the character you want to delete and press **STOP**.

To insert a character

1. Press **◀** or **▶** to move the cursor to the position to the right of where you want to insert the character.
2. Press **MUTE** (Insert) to insert a space and enter the character.

To select characters with the dial keypad

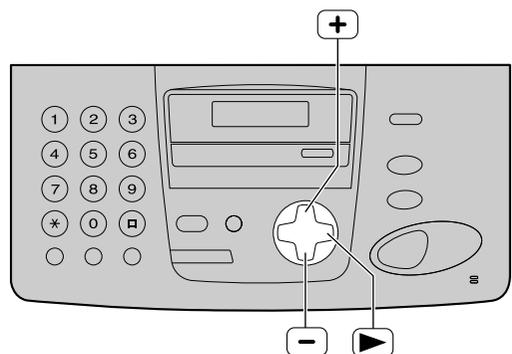
Pressing the dial keys will select a character as shown below.

Keys	Characters
①	1 [] { } + - / = , . _ ` : ; ?
②	A B C a b c 2
③	D E F d e f 3
④	G H I g h i 4
⑤	J K L j k l 5
⑥	M N O m n o 6
⑦	P Q R S p q r s 7
⑧	T U V t u v 8
⑨	W X Y Z w x y z 9
⑩	0 () < > ! " # \$ % & ¥ * @ ^ ' →
FLASH	Hyphen button (To insert a hyphen.)
MUTE	Insert button (To insert one character or one space.)
STOP	Delete button (To delete a character.)
	▶ key (To move the cursor to the right.) To enter another character using the same number key, move the cursor to the next space.
	◀ key (To move the cursor to the left.)

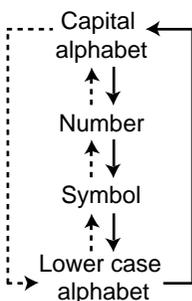
To select characters using or

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

1. Press  or  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



→ : Pressing 

---> : Pressing 

Setup

Setting your facsimile telephone number

1 Press **MENU**.

Display: SYSTEM SET UP
PRESS NAVI. [◀ ▶]

2 Press **◀** or **▶** until the following is displayed.

YOUR FAX NO.
PRESS SET

3 Press **SET**.

NO. =

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

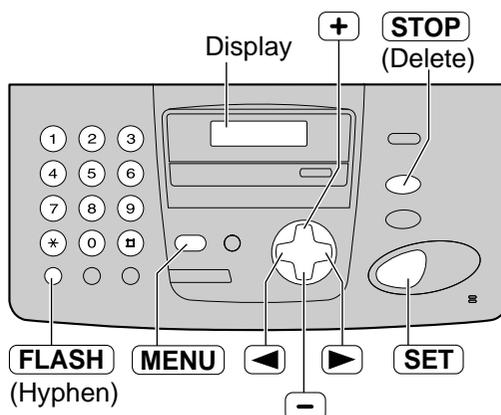
Example: NO. = 1234567

5 Press **SET**.

- The next feature will be displayed.

SENDING REPORT
MODE=ERROR [±]

6 Press **MENU**.



Note:

- You can enter your facsimile telephone number by pressing **+** or **-**. If you use **+** or **-**, press **▶** to move the cursor.
- The ***** button replaces the digit with a "+" and the **#** button replaces it with a space.

Example (using the dial keypad): +234 5678

Press ***234#5678**.

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

To correct a mistake

- Press **◀** or **▶** to move the cursor to the incorrect number, and make the correction.

To delete a number

- Move the cursor to the number you want to delete and press **STOP**.

Adjusting volumes

Ringer volume

4 levels (high/middle/low/off) are available.

While the unit is idle, press **+** or **-**.

●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 is displayed.

Display:

RINGER OFF= OK? YES:SET/NO:STOP

2. Press **SET**.

●To turn the ringer back on, press **+**.

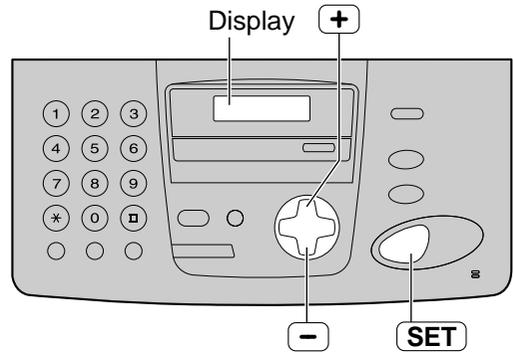
■ While the ringer volume is set to off:

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



Ringer pattern

●You can select one of the three ringer patterns. Change the setting (feature #17 on page 51). The ringer pattern 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 **+** or **-**.

Monitor volume

8 levels (high to low) are available.

While using the monitor, press **+** or **-**.

Storing names and telephone numbers in the directory

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

For your convenience, the following station has been pre-programmed.

HELP-FAX (1-800-435-7329): If you cannot correct a problem after trying the help function (p. 7), call using this station (p. 22).

• If you do not need the above station, you can erase it (p. 21).

1 Press **MENU** two times.

Display: `DIRECTORY SET
NAVI.=* BROAD=#`

2 Press ***** to select "NAVI."

`NAME=
STORE:PRESS SET`

3 Enter the name, up to 10 characters (see page 17 for instructions).

Example: `NAME=Alice
STORE:PRESS SET`

4 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**.

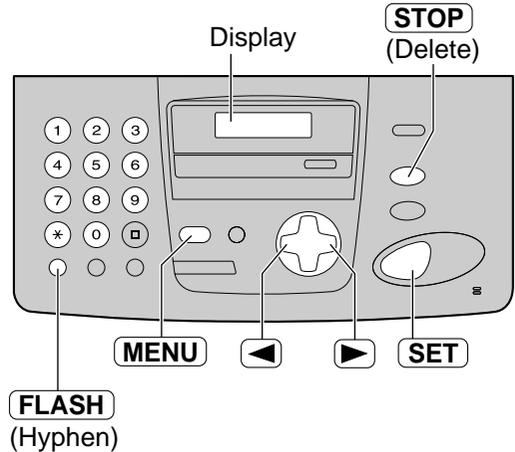
6 Press **SET**.

`REGISTERED`

`NAME=
STORE:PRESS SET`

• To program other stations, repeat steps 3 to 6.

7 Press **MENU** to exit the program.



Helpful hint:

• You can confirm the stored stations on the telephone number list (p. 69).

Note:

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

Display: `REGISTERED
SPACE= 5 DIRS.`

• If there is no space to store new stations, the following message is displayed in step 6.

`REGISTERED
DIRECTORY FULL`

Press **STOP** to exit the program.

To store new stations, erase unnecessary stations (p. 21).

• 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**.

Editing and erasing a stored station

Editing a stored station

1 Press **[▶]**.
 Display: DIRECTORY[+ -]

2 Press **[+]** or **[-]** until the desired station is displayed.

Example: Mary
0123456
 ↓
Mary
EDIT:PRESS MENU

3 Press **[MENU]**.

NAME=Mary
EDIT=* DELETE=#

4 Press **[*]** to select "EDIT".

NAME=Mary
STORE:PRESS SET

●If you do not need to edit the name, skip to step 6.

5 Edit the name (see page 17 for instructions).

6 Press **[SET]**.

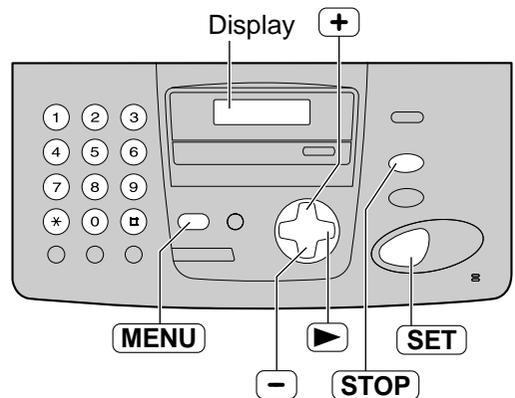
Example: NO.=0123456

●If you do not need to edit the telephone number, skip to step 8.

7 Edit the telephone number. For further details, see page 20.

8 Press **[SET]**.

REGISTERED



Erasing a stored station

1 Press **[▶]**.
 Display: DIRECTORY[+ -]

2 Press **[+]** or **[-]** until the desired station is displayed.

Example: Mary
0123456
 ↓
Mary
EDIT:PRESS MENU

3 Press **[MENU]**.

NAME=Mary
EDIT=* DELETE=#

4 Press **[#]** to select "DELETE".

DELETE OK?
YES:SET/NO:STOP

●To cancel erasing, press **[STOP]**.

5 Press **[SET]**.

DELETED

●The stored name and number are deleted.

Making a phone call using the directory

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

1 Press .

Display:

DIRECTORY[+ -]

2 Press  or  until the desired station is displayed.

Example:

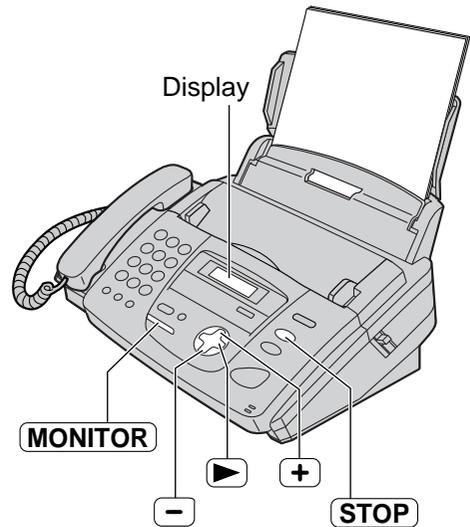
Lisa 2233445



Lisa EDIT:PRESS MENU

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

3 Press **MONITOR** or lift the handset.
● The unit will start dialing automatically.



To search for a name by initial

Example: "Lisa"

1. Press .

Display:

DIRECTORY[+ -]

2. Press  or  until any name is displayed.

Example:

Alan 7891011



Alan EDIT:PRESS MENU

3. Press **5** repeatedly until any name with the initial "L" is displayed (see the character table on page 17).

Larry 12131415

4. Press  until "Lisa" is displayed.

Lisa 2233445

- 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 3.

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 50)

—TEL/FAX ring count (feature #78 on page 55)

How Caller ID is displayed

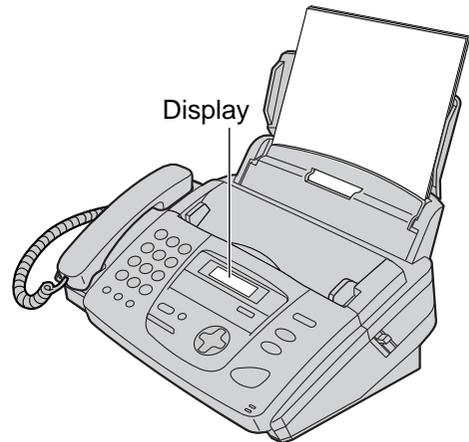
The calling party's name or telephone number will be displayed after the first ring.

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

Example:

Chris Horner 1-654-987-3210

The unit will automatically store the caller information (name, telephone number and the time of the call). You can view the caller information (p. 24) and print the caller ID list (p. 69).



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.

Caller ID

Viewing and calling back using caller information

You can easily view caller information and call back.

Important:

- Calling back will not be possible in the following cases.
 - The telephone number includes data other than numbers (i.e. * or #).
 - The caller information does not include a telephone number.

1 Press **CALLER ID**.

Example (2 new calls are received):

Example:

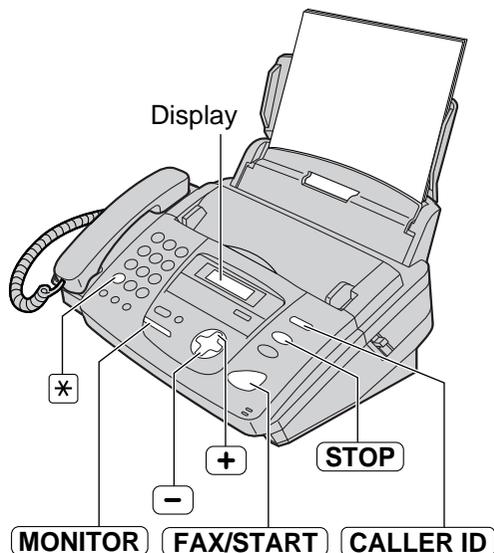
2 NEW CALLS PRESS NAVI. [+ -]

2 Press **+** or **-** to view caller information.

- If you press **+**, the display will show the most recent caller's name.
- If you press **-**, the display will show the already viewed calls.

3 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

Press **CALLER ID** after step 2.

Example:

WENDY ROBERTS 11:20A Jul20	↔	1-345-678-9012 11:20A Jul20 ✓
-------------------------------	---	----------------------------------

This means the caller has already been viewed or answered.

To edit the telephone number for calling back

Press ***** repeatedly after 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

NO NAME RCVD

 When the unit could not receive a name.

NO CALLER DATA

 When no calls have been received.

To stop viewing

Press **STOP** after step 2.

Confirming caller information using the Caller ID list

The unit will store the 30 most recent caller information.

—To print manually, see page 69.

—To print automatically after every 30 new calls, activate feature #26 (p. 52).

Sample of a Caller ID list

CALLER ID LIST				
Mar. 14 2001 11:37AM				
[NEW]				
NO.	NAME	TELEPHONE NUMBER	TIME OF CALL	ANSWER
01	WENDY ROBERTS	345-678-9012	Mar. 14 10:30AM	FAX
02	ALLAN STONE	456-789-0123	Mar. 13 08:35AM	EXT
[OLD]				
NO.	NAME	TELEPHONE NUMBER	TIME OF CALL	ANSWER
01	MIKE TIMAR	987-654-3210	Mar. 11 09:35AM	TEL

NEW: Shows a call you have not yet viewed.

OLD: Shows a call you have already viewed.

FAX: Facsimile reception

EXT: External telephone answering machine responded.

TEL: Telephone call received.

(blank): Not answered.

Erasing the Caller ID list

1 Press **MENU** four times.

Display: CALLER SET UP
PRESS SET

2 Press **SET**.

CALL LIST ERASE
PRESS SET

3 Press **SET**.

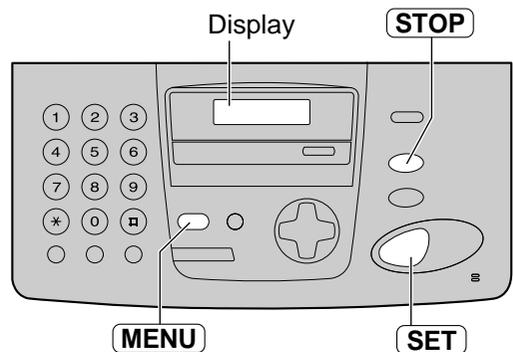
ALL ERASE OK?
YES:SET/NO:STOP

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

4 Press **SET**.

ERASE COMPLETED

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



Caller ID

Storing caller information in the directory

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.

1 Press **CALLER ID**.

Example:

2 NEW CALLS PRESS NAVI.[+ -]

2 Press **+** or **-** until the name you want to store is displayed.

Example:

WENDY 11:50A Apr14

3 Press **MENU**.

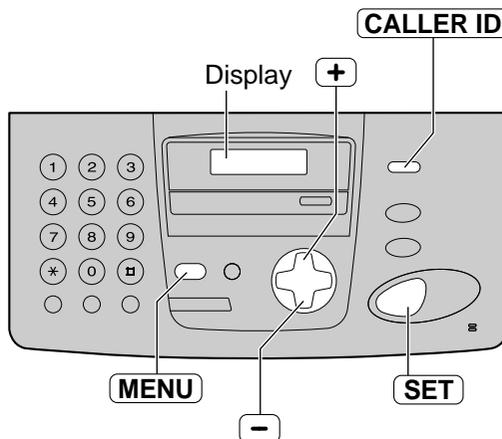
NAME=WENDY STORE:PRESS SET

4 Press **SET**.

NO.=13456789012

5 Press **SET**.

REGISTERED



Note:

- You can confirm the stored items on the telephone number list (p. 69).
- You can only store a name of up to 10 characters long.
- To edit a name and number, see page 21.
- If the 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

- 1 Press **MONITOR** while transmitting or receiving documents.

Example:

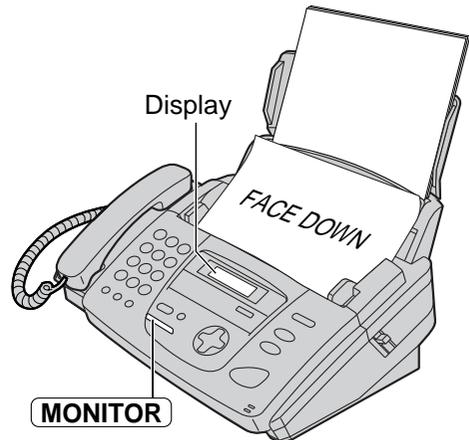
SENDING P 1
VOICE STANDBY

- 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

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

Display:

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 Faxes

Sending a fax manually

1 Adjust the width of the document guides to the size of the document.

2 Insert the document (up to 10 pages) **FACE DOWN** until a single beep is heard and the unit grabs the document.

Display:

STANDARD
PRESS NAVI. [+ -]

3 If necessary, press **+** or **-** repeatedly to select the desired resolution (see below).

4 Press **MONITOR** or lift the handset.

TEL=
PRESS NAVI. [▶]

5 Dial the fax number.

Example:

TEL=5678901

6 When a 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 handset.

CONNECTING
STANDARD [±]

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

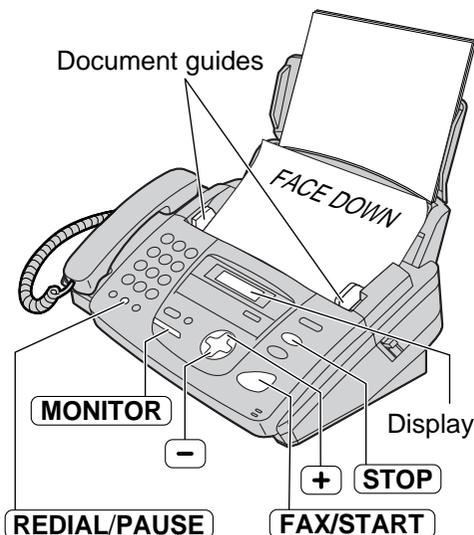
You can dial the fax number first before inserting the document. This is convenient if the other party's number is indicated on the document.

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 very small printing.

– **PHOTO**: For originals containing photographs, shaded drawings, etc.

- Using the "FINE", "SUPER FINE", or "PHOTO" 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.

Quick scan feature

With this feature, the unit will scan the document into memory before sending. This is helpful when you want to remove the document for other uses. To activate this feature, see feature #34 on page 53. After storing, the unit will transmit the document.

- If the document exceeds the memory capacity (p. 73), sending will be canceled and this feature will be turned OFF automatically. Transmit the entire document manually.

To stop transmission

Press **STOP**.

Sending a fax using the directory

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

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

Display: STANDARD
PRESS NAVI.[+ -]

- 3 If necessary, press **+** or **-** repeatedly to select the desired resolution (p. 28).

- 4 Press **▶**.

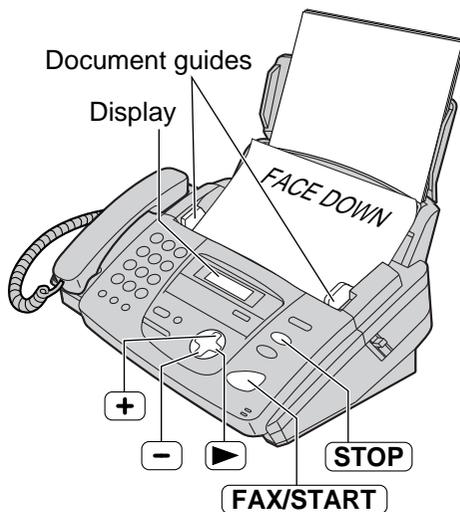
DIRECTORY[+ -]

- 5 Press **+** or **-** to display the desired station.

Example: Sam
1789653

- For further details about using the directory, see page 22.

- 6 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 52).
- During redial, the following will be displayed.

Display: WAITING REDIAL

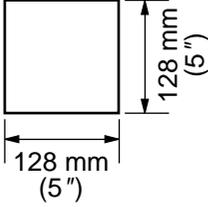
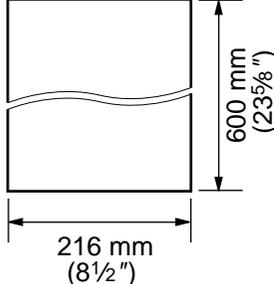
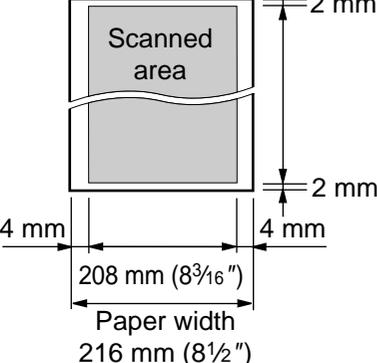
- To cancel redialing, press **STOP**.

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. 22).
- The connecting tone will be heard during dialing to tell you the status of the other party's machine (feature #76 on page 55).

Sending Faxes

Documents you can send

Minimum size	Maximum size	Effective scanning area	Document weight
			Single sheet: 45 g/m ² to 90 g/m ² (12 lb. to 24 lb.) Multiple sheets: 60 g/m ² to 75 g/m ² (16 lb. to 20 lb.)

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
 - Paper with printing on the opposite side that can be seen through the front (e.g. newspaper)
 - Electrostatically charged paper
 - Badly curled, creased or torn paper
 - Paper with a coated surface
 - Paper with a faint image
- To transmit the document(s) whose width is less than the letter size (216 mm), we recommend using a copier machine. Copy the original document on to a letter size paper, then transmit the copied document.

To transmit more than 10 pages at a time

- Insert the first 10 pages of the document. Add the other pages (10 at a time) before the last page is fed into the unit.

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. 50).

Sample of a sending report

SENDING REPORT									
Jan. 20 2001 09:19AM									
YOUR LOGO :									
YOUR FAX NO. :									
NO.	OTHER FACSIMILE	START TIME	USAGE TIME	MODE	PAGES	RESULT	*CODE		
01	2345678	Jan.20 09:18AM	00'51	SND	00	COMMUNICATION ERROR	43		

Communication message (p. 56) Error code

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 69.

—To print automatically after every 30 new fax communications, activate feature #22 (p. 52).

Sample of a journal report

JOURNAL									
Jan. 25 2001 11:22AM									
YOUR LOGO :									
YOUR FAX NO. :									
NO.	OTHER FACSIMILE	START TIME	USAGE TIME	MODE	PAGES	RESULT	*CODE		
01	3332222	Jan.21 07:14AM	00'45	SND	01	OK			
02	9998765	Jan.21 08:17AM	00'58	SND	02	OK			
03	John	Jan.21 09:18AM	00'48	RCV	01	OK			
04	55556666	Jan.21 10:25AM	02'45	SND	03	COMMUNICATION ERROR	43		
				SND	05	OK			
				SND	02	OK			

Communication message (p. 56) Error code

Sending Faxes

One time broadcast transmission

This feature is useful for sending the same document to selected parties only once. Select the parties for each transmission.

- 1 Insert the document **FACE DOWN**.
 - If necessary, press **+** or **-** repeatedly to select the desired resolution (p. 28).

- 2 Press **▶**.

Display: `DIRECTORY[+ -]`

- 3 Press **+** or **-** until the following is displayed.

`<ONE TIME BROAD>
PRESS SET`

- 4 Press **SET** to start programming the stations you want to transmit.

`DIR= [00]
NAVI.[+ -] & SET`

- 5 Press **+** or **-** until the desired station you want to transmit is displayed.

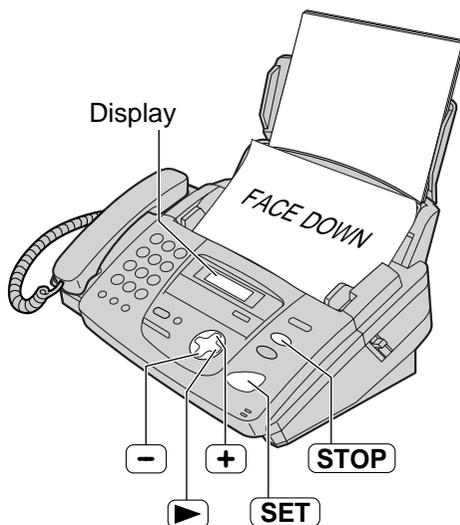
Example: `Bill
6543210`

- 6 Press **SET**.

`DIR=Bill [01]
SEND:PRESS SET`

- To program other stations, repeat steps 5 and 6 (up to 20 stations).

- 7 Press **SET** to start transmission to the programmed stations.
 - The document will be fed into the unit and scanned into memory. The unit will then transmit the data to each station, calling each number sequentially.
 - After transmission, the stored document will be erased automatically, and the unit will automatically print a broadcast sending report (p. 35).



Note:

- If you select the "FINE", "SUPER FINE" or "PHOTO" resolution, the number of pages that the unit can transmit will decrease.
- If the document exceeds the memory capacity (p. 73), sending will be canceled.
- 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**.

Broadcast transmission to pre-programmed parties

This feature is useful for sending the same document often to selected parties (up to 20 stations). First program the stations, then see page 35 for transmission.

Programming the stations in the broadcast memory

1 Press **MENU** two times.

Display:

DIRECTORY SET
NAVI.=* BROAD=#

2 Press **▣** to select "BROAD".

DIR=	[00]
NAVI.[+ -] & SET	

3 Press **+** or **-** until the desired station is displayed.

Example:

MIKE
1-987-654-3210

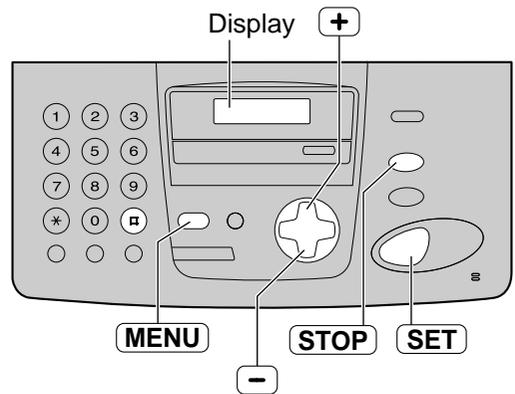
4 Press **SET** .

DIR=MIKE	[01]
STORE:PRESS SET	

- To program other stations, repeat steps 3 and 4.

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

REGISTERED



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. 69).

Sending Faxes

Adding a new station

- 1** Press .
●Confirm that there are no documents in the document entrance.

Display: DIRECTORY[+ -]

- 2** Press or until the following is displayed.

<BROADCAST>
EDIT:PRESS MENU

- 3** Press **MENU** .

BROADCAST
ADD=* DELETE=#

- 4** Press to select "ADD".

- 5** Press or until the desired station you want to add is displayed.

Example: Mary
1-584-372-4123

- 6** Press **SET** .

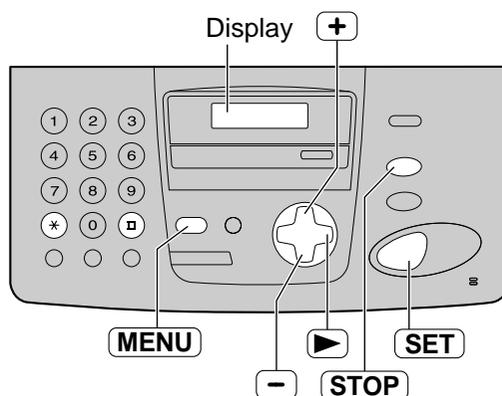
REGISTERED



Example: Nikki
1-385-217-9365

- To add other stations, repeat steps 5 and 6 (up to 20 stations).

- 7** Press **STOP** to exit the program.



Erasing a stored station

- 1** Press .
●Confirm that there are no documents in the document entrance.

Display: DIRECTORY[+ -]

- 2** Press or until the following is displayed.

<BROADCAST>
EDIT:PRESS MENU

- 3** Press **MENU** .

BROADCAST
ADD=* DELETE=#

- 4** Press to select "DELETE".

- 5** Press or until the desired station you want to erase is displayed.

Example: Dick
1-328-143-2968

- 6** Press **SET** .

DELETE OK?
YES:SET/NO:STOP

- 7** Press **SET** .

DELETED



Example: Bob
0123456

- To delete other stations, repeat steps 5 to 7.

- 8** Press **STOP** to exit the program.

- To cancel erasing, press **STOP** .

Sending the same document to pre-programmed parties

1 Insert the document **FACE DOWN**.
 ● If necessary, press **[+]** or **[-]** repeatedly to select the desired resolution (p. 28).

2 Press **[▶]**.

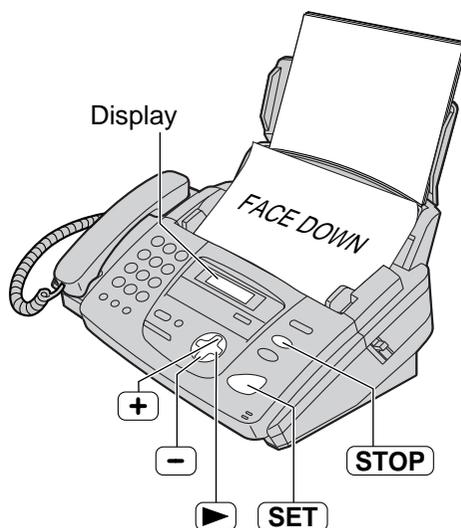
Display: DIRECTORY[+ -]

3 Press **[+]** or **[-]** until the following is displayed.

<BROADCAST>
SEND:PRESS SET

4 Press **[SET]**.

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



Note:

- If you select the "FINE", "SUPER FINE" or "PHOTO" resolution, the number of pages that the unit can transmit will decrease.
- If the document exceeds the memory capacity (p. 73), sending will be canceled.
- 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

BROADCAST REPORT						Jan. 10 2001 09:36AM
					YOUR LOGO :	
					YOUR FAX NO. :	
NO.	OTHER FACSIMILE	START TIME	USAGE TIME	PAGES	RESULT	
01	Mike	Jan.10 09:31AM	01'10	02	OK	
02	Peter	Jan.10 09:33AM	01'08	02	OK	
03	Sam	Jan.10 09:34AM	01'09	02	OK	
04	Kim	Jan.10 09:35AM	01'10	02	OK	
TOTAL			004'37	008		

Receiving Faxes

Setting the unit to receive faxes

Use only as a fax

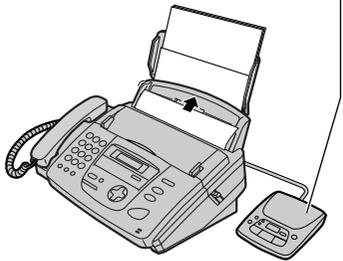
With answering machine

How you want the unit to receive calls



You have a separate telephone line just for faxes.

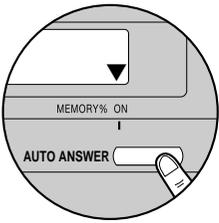
External telephone answering machine (not included)



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

You have to set this.

FAX ONLY mode (p. 39)
Turn AUTO ANSWER on by pressing **AUTO ANSWER**.



Activating an answering machine (p. 42)
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.

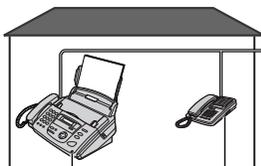
When receiving calls:
All incoming calls will be answered as faxes.

When receiving phone calls:
The answering machine will record voice messages.

When receiving faxes:
The fax machine will disconnect the answering machine and receive documents.

Voice mail service (Distinctive Ring)

2-number example



To the
same line

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

**You need to subscribe
to Distinctive Ring
Service.**

Mostly phone calls



**You plan to answer
the calls yourself.**

Other options

With a PC

If you have a computer attached to the same telephone line, see page 43.

TEL/FAX mode

If you are near the unit and want to use it to receive phone calls yourself and faxes automatically, see pages 40 and 41.

Remote fax activation

You can also receive a fax using an extension telephone. While hearing a fax calling tone with an extension telephone, press *** 9** (pre-selected fax activation code) to receive a fax (p. 44).

Setting the Distinctive Ring pattern (feature #31 on page 53)

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. 38)

Turn AUTO ANSWER off by pressing **AUTO ANSWER**.



**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 receiving.

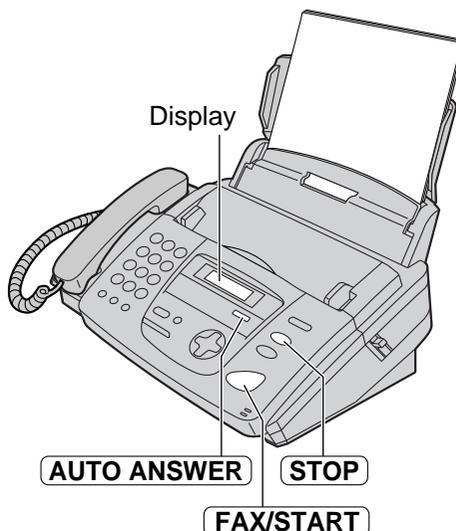
Receiving Faxes

TEL mode (answering all calls manually)

Activating TEL mode

If the arrow (▼) is shown on the right of the display, turn it off by pressing **AUTO ANSWER**.

Display: TEL MODE
ON



Receiving a fax manually

- 1 When the unit rings, lift the handset to answer the call.
- 2 When:
 - document reception is required,
 - a fax calling tone (slow beep) is heard, or
 - no sound is heard,press **FAX/START**.

CONNECTING

- 3 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 the fax and the caller can send a document.
- Up to 30 sheets of printed paper can be held. Remove the printed paper before it exceeds 30 sheets.

To stop receiving

Press **STOP**.

Friendly reception feature

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

- If this feature is not required, set feature #46 to off (p. 54).

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. 54).

- Follow the instructions on pages 57 and 58 to solve the problem.
- For memory capacity, see page 73.

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

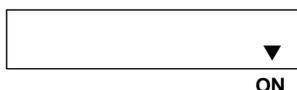
Activating FAX ONLY mode

- 1 Set feature #77 to "FAX ONLY" (p. 55).
- 2 If the arrow (▼) is not shown on the right of the display, turn it on by pressing **AUTO ANSWER**.
 - The display will show the number of rings before the unit answers a call in FAX ONLY mode.

Display:

PICKUP & RCV FAX AFTER 3 RINGS[±]

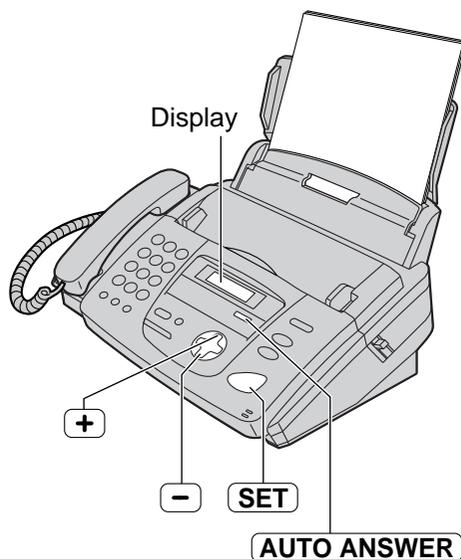
- 3 If you wish to change the ring count setting, press **+** or **-** until the desired number is displayed, and press **SET**.



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

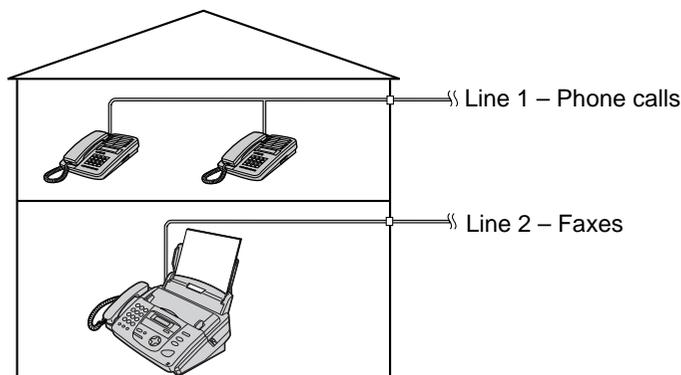
Note:

- If the arrow (▼) is already shown on the right of the display and you wish to change the ring count, turn the arrow off once then on again by pressing **AUTO ANSWER** and follow the instructions in step 3.
- This mode should not be used with a telephone line which is used for both phone calls and faxes. 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 phone calls and a separate telephone line for faxes.

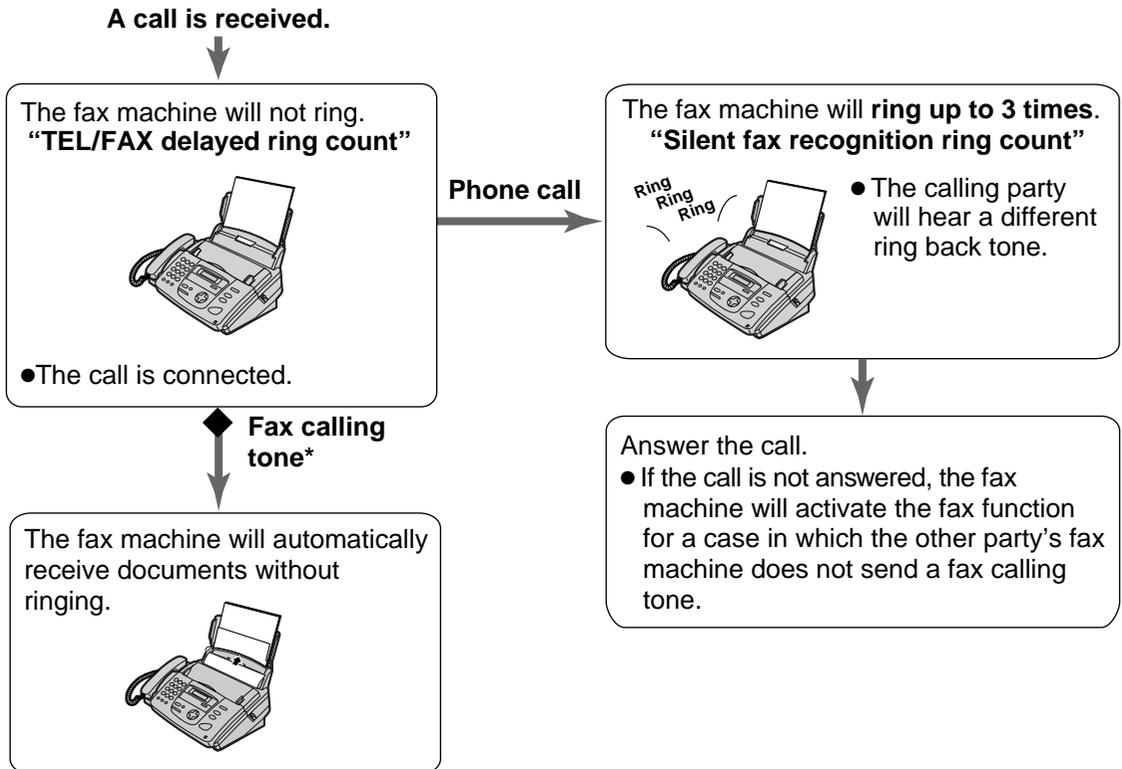


Only a fax machine is connected.

Receiving Faxes

TEL/FAX mode --- --- (receiving phone calls with ring signals and faxes without ring signals 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.



Note:

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

Display:

INCOMING CALL

- The ringer should be on (p. 19).
- If the ring detection (feature #31 on page 53) is set and a different ring pattern is received, the unit will not receive the fax automatically.

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

To set TEL/FAX mode

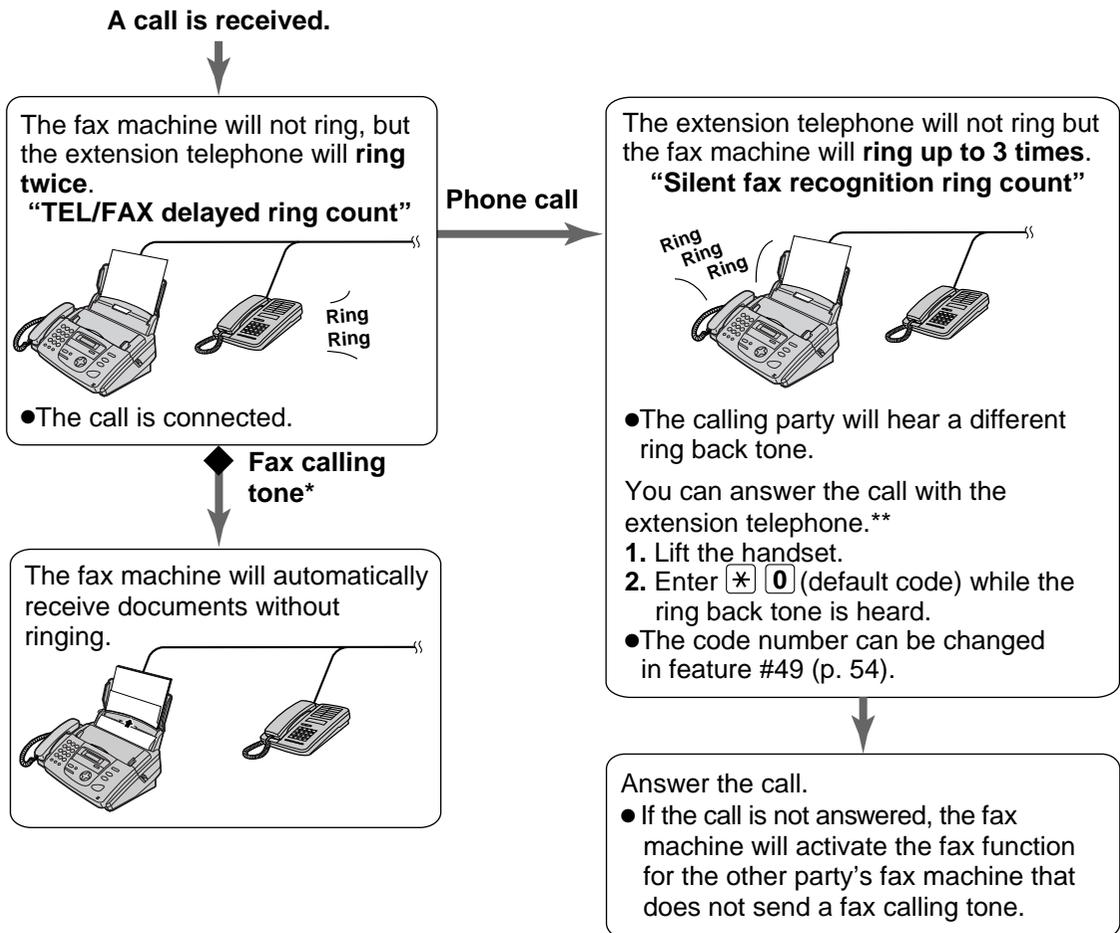
1. Set feature #77 to "TEL/FAX" (p. 55).
2. If the arrow (▼) is not shown on the right of the display, turn it on by pressing **AUTO ANSWER**.

Display:

▼

ON

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.

TEL/FAX delayed ring count

The number of rings generated before the fax machine answers depends on the setting of feature #78 on page 55. The fax machine will not generate an audible ring during this time.

Silent fax recognition ring count

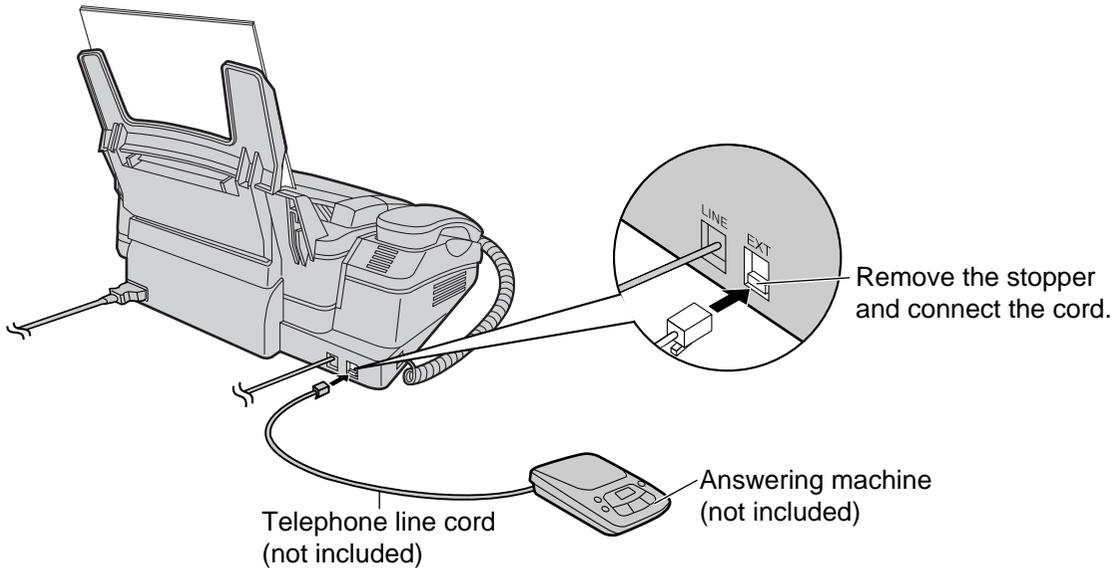
The fax machine generates audible rings to indicate that it is receiving a phone call. The number of rings generated depends on the setting of feature #30 on page 53. This signal will not ring at an extension telephone.

Receiving Faxes

Using the unit with an answering machine

Setting up the fax machine and an answering machine

- 1 Connect the answering machine.



- 2 Set the number of rings on the answering machine to less than 4.
 - This will allow the answering machine to answer the call first.
- 3 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.
- 4 Activate the answering machine.
- 5 Set the receive mode of the fax machine to TEL mode (p. 38) or FAX ONLY mode (p. 39).
 - If you set to FAX ONLY mode, **set the ring count in FAX ONLY mode to "5 EXT.TAM" (feature #06 on page 50)**. 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 51.

How the fax machine and answering machine work

Receiving phone calls

The answering machine will record voice messages automatically.

Receiving faxes

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.

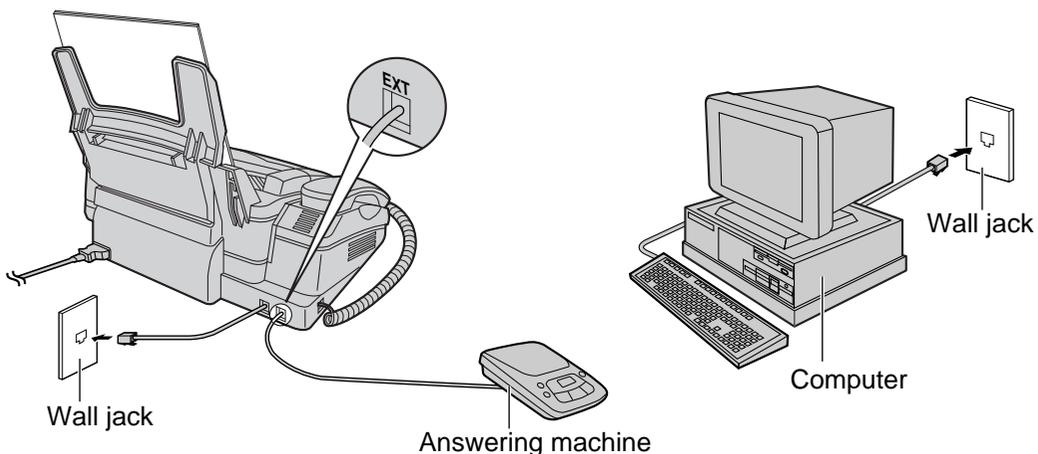
1. The caller calls your fax machine.
 - The answering machine will answer the call.
2. The caller can leave a message after the greeting message.
3. The caller presses *** 9** (pre-selected fax activation code).
 - The fax machine will activate the fax function.
4. The caller presses the start button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

Note:

- The fax activation code can be changed in feature #41 (p. 54).
- If the wrong fax activation code is entered, the caller must wait at least 5 seconds to reenter the correct code.

Using the unit with an answering machine and computer

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



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.

Receiving Faxes

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**.

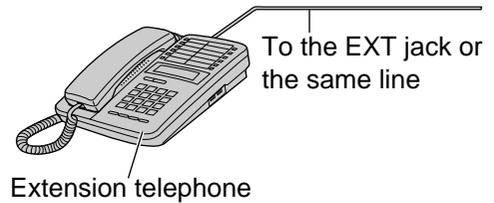
1 When the extension telephone rings, lift the handset of the extension telephone.

2 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**.

3 Hang up the handset.
• The fax machine will start reception.

Note:

- You can change the fax activation code in feature #41 (p. 54).



Pager call - when the unit receives a fax

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

1 Press **MENU** .
Display: SYSTEM SET UP
PRESS NAVI. [◀ ▶]

2 Press **□**, then **7 0** .
FAX PAGER CALL
MODE=OFF [±]

3 Press **+** or **-** to select "ON".
FAX PAGER CALL
MODE=ON [±]

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

4 Press **SET** .
NO. =

5 Enter your pager number up to 30 digits.
Example: NO. =12025551234

6 Press **SET** .
PIN =

7 Enter your pager access code up to 10 digits if required.
Example: PIN=12345678

8 Press **SET** .
MSG. =07734

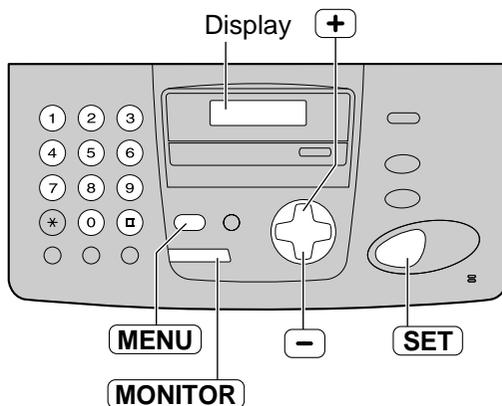
- The default code 07734 will show "Hello!" on your pager.
- If you want to change this message, enter your message up to 30 digits.

Example: MSG. =5555

9 Press **SET** .
●The unit will dial the stored number.
PAGER TEST

10 Check that your pager received the pager test call.

11 Press **MONITOR** .

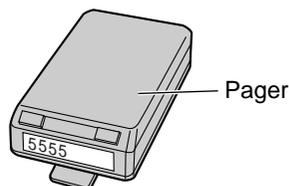


Note:

- 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 8. (For example: 5555)



Copying

Making a copy

The unit can make single or multiple copies (up to 50).

1 Adjust the width of the document guides to the size of the document.

2 Insert the document (up to 10 pages) **FACE DOWN** until a single beep is heard and the unit grabs the document.

Display:

STANDARD
PRESS NAVI. [+ -]

- If necessary, press **+** or **-** repeatedly to select the desired resolution (see below).
- Make sure the handset is on the cradle.

3 Press **COPY**.

NUMBER=1
COPY:PRESS START

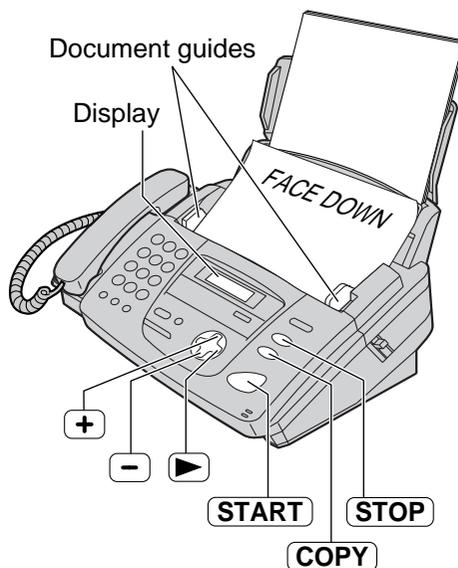
↕

NUMBER=1
OR PRESS NAVI. ►

- If necessary, enter the number of copies (up to 50).

4 Press **START**.

- The unit will start copying.



Note:

- Any transmittable document can be copied (p. 30).

To select the resolution

Select the desired resolution according to the type of document.

–**FINE**: For printed or typewritten originals with small printing.

–**SUPER FINE**: For originals with very small printing.

–**PHOTO**: For originals containing photographs.

- If you select “STANDARD”, copying will be done using “FINE” mode.

To stop copying

Press **STOP**.

Convenient way to make a copy

The following settings are available before you start copying.

- Enlargement (p. 47)
- Reduction (p. 47)
- Collation (sort) (p. 48)
- Resolution (p. 48)
- Quick scan (p. 48)

To enlarge a document

1. Press in step 3 on page 46.

Display:

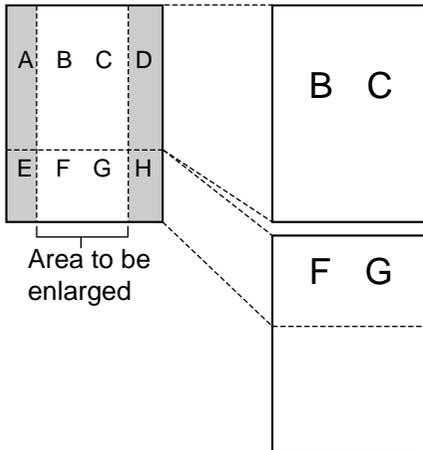
ZOOM 100% [+ -] <COLLATE>▶

2. Press to select "150%" or "200%".

●The unit will only enlarge the center most part of the document, printing it on two pages.

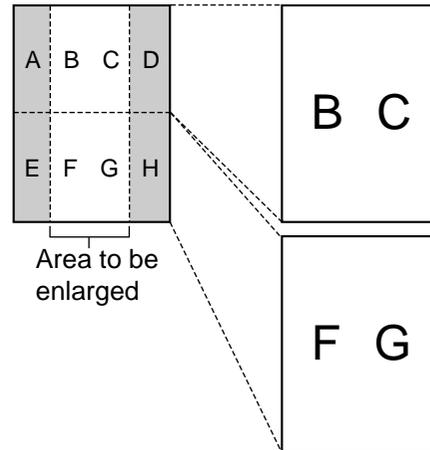
Example of a 150% enlarged copy

Original document Enlarged copy



Example of a 200% enlarged copy

Original document Enlarged copy



To reduce a document

1. Press in step 3 on page 46.

Display:

ZOOM 100% [+ -] <COLLATE>▶

2. Press to select "92%", "86%" or "72%".

●See below for the recommended reduction rates.

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

Letter = 216 mm x 279 mm (8¹/₂" x 11") / Legal = 216 mm x 356 mm (8¹/₂" x 14")

A4 = 210 mm x 297 mm (8¹/₄" x 11¹¹/₁₆")

Note:

- If the appropriate reduction rate is not programmed, the document may be divided and the top of the second sheet will be deleted.
- If the image at the bottom of the document is not copied when you copy a document as long as the recording paper, try 92% or 86%.

Copying

To collate multiple copies

The unit can collate multiple copies in the same order as the original document pages.

1. Press  2 times in step 3 on page 46.

Display:

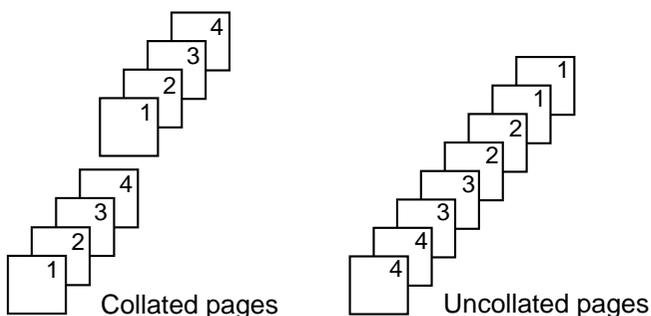
COLLATE OFF [+ -]
<RESOLUTION> ▶

2. Press  or  repeatedly to select "COLLATE ON".

Display:

COLLATE ON [+ -]
<RESOLUTION> ▶

Example: Making 2 copies of a 4-page original document



Note:

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

To select the resolution

You can select the resolution according to the type of document after pressing  in step 3 on page 46.

- For further details about the resolution, see page 46.

1. Press  3 times in step 3 on page 46.

Display:

STANDARD [+ -]
<NUMBER> ▶

2. Press  or  repeatedly to select the desired resolution.

Quick scan feature

The unit can scan the document into memory before copying. This feature is helpful when you want to remove the document for other uses.

To activate this feature, see feature #34 on page 53. After storing, the unit will copy the document.

Note:

- If the document exceeds the memory capacity (p. 73), copying will be canceled and this feature may be turned off automatically.

Programming

The unit provides various programming features. Program the desired settings by referring to the programming tables (p. 50–55).

General programming method

1 Press **MENU**.

Display:

SYSTEM SET UP
PRESS NAVI. [◀ ▶]

2 Select the feature you wish to program.

■ **For basic features** (p. 50, 51):

Press **◀** or **▶** until the desired feature is displayed.

■ **For advanced features** (p. 52–55):

Press **◀** or **▶** until the following is displayed.

ADVANCED MODE
PRESS SET

Press **SET** and press **◀** or **▶** until the desired feature is displayed.

● The current setting of the feature will be displayed.

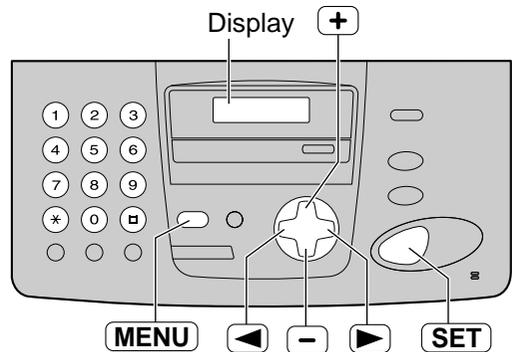
3 Press **+** or **-** until the desired setting is displayed.

● This step may be slightly different depending on the feature.

4 Press **SET**.

● The setting you selected is set, and the next feature will be displayed.

5 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 **◀** or **▶** in step 2.

1. Press **MENU**.

2. Press **#** and the 2-digit code number.

3. Follow steps 3 to 5 above.

● See programming tables for code numbers (p. 50–55).

To cancel programming

Press **MENU** to exit the program.

Features Summary

Basic features

How to set menu options

The following method of programming is applied except features #01, #02 and #03. For features #01, #02 and #03, refer to the programming table below.

1. Press **MENU**.
2. Press **◀** or **▶** until the desired feature is displayed.
3. Press **+** or **-** until the desired setting is displayed.
4. Press **SET**.
5. Press **MENU**.

Note:

- Step 3 may be slightly different depending on the feature.
- See page 49 for more details.

Programming table

Code	Display & Feature	Settings	How the unit operates
#01	<div style="border: 1px solid black; padding: 2px; display: inline-block;">SET DATE & TIME PRESS SET</div> To set the date and time.	mm/dd/yy hh:mm (2 digits for each entry)	See page 15 for details.
#02	<div style="border: 1px solid black; padding: 2px; display: inline-block;">YOUR LOGO PRESS SET</div> To set your logo.	(Up to 30 characters)	See page 16 for details.
#03	<div style="border: 1px solid black; padding: 2px; display: inline-block;">YOUR FAX NO. PRESS SET</div> To set your facsimile telephone number.	(Up to 20 digits)	See page 18 for details.
#04	<div style="border: 1px solid black; padding: 2px; display: inline-block;">SENDING REPORT MODE=ERROR [±]</div> To print and check the sending report for fax transmission results (p. 31).	ERROR	"ERROR": The sending report will be printed only when fax transmission fails. "ON": The sending report will be printed out after every transmission.
		ON	
		OFF	
#06	<div style="border: 1px solid black; padding: 2px; display: inline-block;">FAX RING COUNT RINGS=3 [±]</div> 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. 39). If you are using the unit with an answering machine, set to "5 EXT.TAM" (p. 42).

(The default setting is in bold type.)

Features Summary

Code	Display & Feature	Settings	How the unit operates
#12	<div style="border: 1px solid black; padding: 2px; width: fit-content;"> REMOTE TAM ACT. MODE=OFF [±] </div> <p>If you are using the unit with an answering machine, activate this feature, and set the remote activation ID to secure the remote operation for the answering machine.</p>	ON / ID=11	<p>To select "ON" and enter ID:</p> <ol style="list-style-type: none"> 1. Press MENU. 2. Press ◀ or ▶ and select this feature. 3. Press + or - to select "ON". 4. Press SET. 5. Enter your ID from 1 to 5 digits, using 0–9, * and #. 6. Press SET. 7. Press MENU.
		OFF	
#13	<div style="border: 1px solid black; padding: 2px; width: fit-content;"> DIALING MODE MODE=TONE [±] </div> <p>If you cannot dial, change the setting depending on your telephone line service.</p>	TONE	<p>"TONE": For tone dial service. "PULSE": For rotary pulse dial service.</p>
		PULSE	
#16	<div style="border: 1px solid black; padding: 2px; width: fit-content;"> PAPER SIZE =LETTER [±] </div> <p>To set the recording paper size.</p>	LETTER	<p>"LETTER": Letter or legal size paper = Paper width is 216 mm (8½") "A4": A4 size paper = Paper width is 210 mm (8¼")</p>
		A4	
#17	<div style="border: 1px solid black; padding: 2px; width: fit-content;"> RINGER PATTERN MODE=A [±] </div> <p>To set the ringer pattern.</p>	A	<p>You can select the ringer pattern. The selected ringer pattern will sound while setting.</p>
		B	
		C	

(The default setting is in bold type.)

Features Summary

Advanced features

How to set menu options

1. Press **MENU**.
2. Press **◀** or **▶** until the following is displayed.
3. Press **+** or **-** until the desired setting is displayed.
4. Press **SET**.
5. Press **MENU**.

Display:

ADVANCED MODE
PRESS SET

Press **SET** and press **◀** or **▶** until the desired feature is displayed.

Note:

- Step 3 may be slightly different depending on the feature.
- See page 49 for more details.

Programming table

Code	Display & Feature	Settings	How the unit operates
#22	<div style="border: 1px solid black; padding: 2px;"> AUTO JOURNAL MODE=ON [±] </div> <p>To print the journal report automatically for fax communications.</p>	ON	<p>“ON”: The unit will print the journal report automatically after every 30 new fax communications (p. 31).</p>
		OFF	
#23	<div style="border: 1px solid black; padding: 2px;"> OVERSEAS MODE MODE=ERROR [±] </div> <p>If you have difficulty sending an overseas fax, activate this feature before starting transmission. This feature makes sending documents easier as the transmission speed is slowed down.</p>	NEXT FAX	<p>“NEXT FAX”: This setting is effective only for the next attempted fax transmission. After transmission, the unit will return to the previous setting.</p> <p>“ERROR”: When the previous fax transmission fails and you redial the same number.</p> <ul style="list-style-type: none"> • This feature is not available for broadcast transmission. • The calling charge may be higher.
		ERROR	
		OFF	
#25	<div style="border: 1px solid black; padding: 2px;"> DELAYED SEND MODE=OFF [±] </div> <p>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.</p> <ul style="list-style-type: none"> • The setting can be reserved to take place up to 24 hours in advance. 	ON / fax no. / hh:mm	<p>To send a document:</p> <ol style="list-style-type: none"> 1. Insert the document. 2. Follow steps 1 and 2 above. 3. Press + or - to select “ON”. 4. Press SET. 5. Enter the fax number. 6. Press SET. 7. Enter the transmission start time. Press * to select “AM” or “PM”. 8. Press SET. 9. Press MENU. <ul style="list-style-type: none"> • To cancel after programming, press STOP then SET.
		OFF	
#26	<div style="border: 1px solid black; padding: 2px;"> AUTO CALL. LIST MODE=ON [±] </div> <p>To print the Caller ID list automatically.</p>	ON	<p>“ON”: The unit will print the Caller ID list automatically after every 30 new calls (p. 25).</p>
		OFF	

(The default setting is in bold type.)

Features Summary

Code	Display & Feature	Settings	How the unit operates																					
#30	<div style="border: 1px solid black; padding: 2px; width: fit-content;">SILENT FAX RING RINGS=3 [±]</div> <p>To change the number of rings when the unit detects a phone call in TEL/FAX mode.</p>	3, 4, 5, 6	See pages 40 and 41 for details.																					
#31	<div style="border: 1px solid black; padding: 2px; width: fit-content;">RING DETECTION MODE=B [±]</div> <p>If you subscribe to a Distinctive Ring Service (Identa-Ring) from your telephone company, activate this feature. This feature is also required for voice mail service.</p>	A, B, C, D	Select the ring pattern to be assigned to the facsimile number. A: Standard ring (one long ring) B: Double ring (two short rings) C: Triple ring (short-long-short rings) D: Other triple ring (short-short-long rings) ●For more information about telephone services, contact your telephone company.																					
		OFF																						
#34	<div style="border: 1px solid black; padding: 2px; width: fit-content;">QUICK SCAN MODE=OFF</div> <p>To scan the document into memory before sending/copying. This is helpful when you want to remove the document for other uses.</p>	ON	“ON”: The unit will store the documents first and release them. ●If the document exceeds the memory capacity (p. 73), sending/copying will be canceled and this feature may be turned OFF automatically.																					
		OFF																						
#36	<div style="border: 1px solid black; padding: 2px; width: fit-content;">RCV REDUCTION MODE=92% [±]</div> <p>If the size of the document sent by the other party is as large as, or larger than the recording paper, the unit can reduce and print the document. Select the desired reduction rate.</p>	100%	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Setting</th> <th>Recording paper</th> <th>Original document</th> </tr> </thead> <tbody> <tr> <td rowspan="2">100%</td> <td>Legal</td> <td>Letter, A4</td> </tr> <tr> <td>A4</td> <td>Letter</td> </tr> <tr> <td rowspan="2">92%</td> <td>Letter</td> <td>Letter</td> </tr> <tr> <td>Legal</td> <td>Legal</td> </tr> <tr> <td>86%</td> <td>A4</td> <td>A4</td> </tr> <tr> <td rowspan="2">72%</td> <td>Letter</td> <td>Legal</td> </tr> <tr> <td>A4</td> <td>Legal</td> </tr> </tbody> </table>	Setting	Recording paper	Original document	100%	Legal	Letter, A4	A4	Letter	92%	Letter	Letter	Legal	Legal	86%	A4	A4	72%	Letter	Legal	A4	Legal
		Setting		Recording paper	Original document																			
		100%		Legal	Letter, A4																			
				A4	Letter																			
		92%		Letter	Letter																			
				Legal	Legal																			
86%	A4	A4																						
72%	Letter	Legal																						
	A4	Legal																						
92%																								
86%																								
72%																								
#39	<div style="border: 1px solid black; padding: 2px; width: fit-content;">LCD CONTRAST MODE=NORMAL [±]</div> <p>To adjust the display contrast.</p>	NORMAL	“NORMAL”: For normal contrast “DARKER”: Used when the display contrast is too light.																					
		DARKER																						
#40	<div style="border: 1px solid black; padding: 2px; width: fit-content;">SILENT DETECT. MODE=OFF [±]</div> <p>If you use the unit with an answering machine and wish to receive faxes from older model fax machines, activate this feature.</p>	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. ●If you use an answering machine to give greeting messages and record incoming messages on a single cassette tape, select “OFF”.																					
		OFF																						

(The default setting is in bold type.)

Features Summary

Advanced features (cont.)

How to set menu options

1. Press **MENU**.
2. Press **◀** or **▶** until the following is displayed.
3. Press **+** or **-** until the desired setting is displayed.
4. Press **SET**.
5. Press **MENU**.

Display:

ADVANCED MODE PRESS SET

Press **SET** and press **◀** or **▶** until the desired feature is displayed.

Note:

- Step 3 may be slightly different depending on the feature.
- See page 49 for more details.

Programming table (cont.)

Code	Display & Feature	Settings	How the unit operates	
#41	<table border="1" style="display: inline-table; vertical-align: top;"><tr><td style="text-align: center;">FAX ACTIVATION MODE=ON [±]</td></tr></table> If you use an extension telephone and wish to use it to receive a fax, activate this feature, and enter the code (p. 44).	FAX ACTIVATION MODE=ON [±]	ON / CODE= * 9	1. Follow steps 1 and 2 above. 2. Press + or - to select "ON". 3. Press SET . 4. Enter your code from 2 to 4 digits, using 0-9 and *. 5. Press SET . 6. Press MENU . ● Do not enter "0000".
		FAX ACTIVATION MODE=ON [±]		
OFF				
#44	<table border="1" style="display: inline-table; vertical-align: top;"><tr><td style="text-align: center;">RECEIVE ALERT MODE=ON [±]</td></tr></table> To alert you with a beeping sound when a document which has been received is stored into memory due to some existing problem.	RECEIVE ALERT MODE=ON [±]	ON	If you are alerted by a slow beeping sound, clear the printing problem and make sure the unit is supplied with paper to print the stored document. The beeps will stop.
		RECEIVE ALERT MODE=ON [±]		
OFF				
#46	<table border="1" style="display: inline-table; vertical-align: top;"><tr><td style="text-align: center;">FRIENDLY RCV MODE=ON [±]</td></tr></table> To receive a fax automatically when you answer a call and hear a fax calling tone (slow beep).	FRIENDLY RCV MODE=ON [±]	ON	"ON": You do not have to press FAX/START for fax reception.
		FRIENDLY RCV MODE=ON [±]		
OFF				
#49	<table border="1" style="display: inline-table; vertical-align: top;"><tr><td style="text-align: center;">AUTO DISCONNECT MODE=ON [±]</td></tr></table> To answer a call with an extension telephone in TEL/FAX mode (p. 41).	AUTO DISCONNECT MODE=ON [±]	ON / CODE= * 0	1. Follow steps 1 and 2 above. 2. Press + or - to select "ON". 3. Press SET . 4. Enter your code from 2 to 4 digits, using 0-9 and *. 5. Press SET . 6. Press MENU .
		AUTO DISCONNECT MODE=ON [±]		
OFF				

(The default setting is in bold type.)

Features Summary

Code	Display & Feature	Settings	How the unit operates
#70	<div style="border: 1px solid black; padding: 2px; width: fit-content;"> FAX PAGER CALL MODE=OFF [±] </div> <p>If you have a pager and wish to know when your unit receives a fax, activate this feature.</p>	ON	See page 45 for details.
		OFF	
#76	<div style="border: 1px solid black; padding: 2px; width: fit-content;"> CONNECTING TONE MODE=ON [±] </div> <p>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.</p>	ON	<p>You can confirm the status of the other party's machine.</p> <ul style="list-style-type: none"> ● If the ring back tone continues, the other party's machine may not be a facsimile or may have run out of paper. Check with the other party. ● The connecting tone volume cannot be adjusted.
		OFF	
#77	<div style="border: 1px solid black; padding: 2px; width: fit-content;"> AUTO ANSWER MODE=FAX ONLY [±] </div> <p>To change the receive mode in the AUTO ANSWER setting.</p>	FAX ONLY	<p>"FAX ONLY": Facsimile only mode (p. 39)</p> <p>"TEL/FAX": Telephone/Facsimile mode (p. 40, 41)</p>
		TEL/FAX	
#78	<div style="border: 1px solid black; padding: 2px; width: fit-content;"> TEL/FAX RING RINGS=2 [±] </div> <p>If you use an extension telephone in TEL/FAX mode, select the desired number of rings of the extension telephone.</p>	1, 2, 3, 4	See pages 40 and 41 for details.
#80	<div style="border: 1px solid black; padding: 2px; width: fit-content;"> SET DEFAULT RESET=NO [±] </div> <p>To reset on advanced features to their default settings.</p>	YES	<ol style="list-style-type: none"> 1. Follow steps 1 and 2 on page 54. 2. Press + or - to select "YES". 3. Press SET . 4. Press SET again. 5. Press MENU .
		NO	

(The default setting is in bold type.)

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. 31).

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. 52).
DOCUMENT JAMMED	—	●The document is jammed. Remove the jammed document (p. 66).
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.
OK	—	●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 CALL SERVICE2	<ul style="list-style-type: none"> ●There is something wrong with the unit. Contact our service personnel.
CHECK DOCUMENT	<ul style="list-style-type: none"> ●The document was not fed into the unit properly. Reinsert the document. If misfeeding occurs frequently, clean the document feeder rollers (p. 67) and try again.
CHECK MEMORY	<ul style="list-style-type: none"> ●Memory (telephone numbers, parameters, etc.) has been erased. Re-program.
CHECK PAPER	<ul style="list-style-type: none"> ●The recording paper is not installed or the unit has run out of paper. Install paper and press SET to clear the message. ●The recording paper is not fed into the unit properly. Reinstall paper (p. 13) and press SET to clear the message. ●The recording paper has jammed near the recording paper entrance. Clear the jammed paper (p. 64) and press SET to clear the message. Do not install folded or heavily curled paper.
COVER OPEN ↕ CHECK FILM	<ul style="list-style-type: none"> ●The covers are open. Close them. ●The ink film is empty. Replace the ink film with a new one (p. 10, 11). ●The ink film is not installed. Install it (p. 10, 11). ●The ink film is slack. Tighten it (see step 7 on page 11).
DIRECTORY FULL	<ul style="list-style-type: none"> ●There is no space to store new stations in the directory. Erase unnecessary stations (p. 21).
FAX IN MEMORY	<ul style="list-style-type: none"> ●The unit has a document in memory. See the other displayed message instructions to print out the document.
FAX MEMORY FULL	<ul style="list-style-type: none"> ●The 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.
MEMORY FULL	<ul style="list-style-type: none"> ●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.

(continued)

Error Messages

Display message	Cause & solution
MODEM ERROR	●There is something wrong with the modem circuit. Contact our service personnel.
NO FAX REPLY	●The other party's fax machine is busy or has run out of recording paper. Try again.
PAPER JAMMED	●A recording paper jam occurred. Clear the jammed paper (p. 64).
PLEASE WAIT	●The unit is checking that there is no slack on the ink film. Wait for a while.
REDIAL TIME OUT	●The other party's fax machine is busy or has run out of recording paper. Try again.
REMOVE DOCUMENT	●The document is jammed. Remove the jammed document (p. 66). ●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.
TRANSMIT ERROR	●A transmission error occurred. Try again.
UNIT OVERHEATED	●The unit is too hot. Let the unit cool down.

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

General

Problem	Cause & solution
I cannot make and receive calls.	<ul style="list-style-type: none"> ●The power cord or telephone line cord is not connected. Check the connections (p. 14). ●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.	<ul style="list-style-type: none"> ●The dialing mode setting is wrong. Change the setting of feature #13 (p. 51).
The unit does not work.	<ul style="list-style-type: none"> ●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.	<ul style="list-style-type: none"> ●The ringer volume is set to off. Adjust it (p. 19).
The unit displays the following message though the paper is inserted. <div data-bbox="120 954 426 996" style="border: 1px solid black; padding: 5px; margin: 10px 0; text-align: center;">CHECK PAPER</div>	<ul style="list-style-type: none"> ●The paper is inserted halfway. Insert it correctly (p. 13) and press SET to clear the message.
The other party complains they only hear a fax tone and cannot talk.	<ul style="list-style-type: none"> ●FAX ONLY mode is set. Tell the other party the number is only used for faxes. ●Change to TEL mode (p. 38) or TEL/FAX mode (p. 40).
The REDIAL/PAUSE button does not function properly.	<ul style="list-style-type: none"> ●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.	<ul style="list-style-type: none"> ●A Distinctive Ring pattern of feature #31 is set (p. 53). ●TEL/FAX mode is set (p. 40, 41).
During programming, I cannot enter the code or ID number.	<ul style="list-style-type: none"> ●All or part of the numbers are the same. Change the code or ID number of features #12 (p. 51), #41 (p. 54) and #49 (p. 54).
The ink film runs out quickly.	<ul style="list-style-type: none"> ●The HELP printing function, copy function, and reports also use ink film.
The unit beeps.	<ul style="list-style-type: none"> ●Recording paper or ink film has run out. Press STOP to stop the beeps and install paper/ink film.

Operations

Fax – sending

Problem	Cause & solution
I cannot send documents.	<ul style="list-style-type: none"> ●The telephone line cord is connected to the EXT jack on the unit. Connect to the LINE jack (p. 14). ●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.	<ul style="list-style-type: none"> ●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.	<ul style="list-style-type: none"> ●The glass or rollers are dirty. Clean them (p. 67).
I cannot send a fax overseas.	<ul style="list-style-type: none"> ●Use the overseas transmission mode of feature #23 (p. 52). ●Add two pauses at the end of the telephone number or dial manually.

Fax – receiving

Problem	Cause & solution
I cannot receive documents.	<ul style="list-style-type: none"> ●The telephone line cord is connected to the EXT jack on the unit. Connect to the LINE jack (p. 14).
I cannot receive documents automatically.	<ul style="list-style-type: none"> ●The receive mode is set to TEL mode. Set to FAX ONLY mode (p. 39) or TEL/FAX mode (p. 40). ●The time taken to answer the call is too long. Decrease the number of rings of features #06 (p. 50), #30 (p. 53) and #78 (p. 55).
The display shows the following message, but faxes are not received. <div style="border: 1px solid black; padding: 5px; width: fit-content; margin-top: 5px;">CONNECTING.....</div>	<ul style="list-style-type: none"> ●The incoming call is not a fax. Change the receive mode to TEL mode (p. 38).

(continued)

Fax – receiving (cont.)

Problem	Cause & solution
<p>A blank sheet is ejected.</p>	<ul style="list-style-type: none"> ● If a blank sheet is ejected after the received document is printed out, the receiving reduction rate is not programmed correctly. Program the proper rate in feature #36 (p. 53). ● The other party placed the document in their fax machine the wrong way. Check with the other party.
<p>A white line or a dirty pattern appears on your recording paper.</p>	<ul style="list-style-type: none"> ● The glass or rollers are dirty. Clean them (p. 67).
<p>The printing quality is poor.</p>	<ul style="list-style-type: none"> ● The other party sent a faint document. Ask them to send a clearer copy of the document. ● The thermal head is dirty. Clean it (p. 68). ● Some paper has instructions recommending which side to print on. Try turning the paper over. We recommend smooth paper such as Hammermill® Jet Print for clearer printing. ● You may have used paper with a cotton and/or fiber content that is over 20%, such as letterhead or resume paper. We recommend smooth paper such as Hammermill® Jet Print for clearer printing.

Receive mode

Problem	Cause & solution
<p>I cannot select the desired receive mode.</p>	<ul style="list-style-type: none"> ● If you want to set FAX ONLY or TEL/FAX mode: <ul style="list-style-type: none"> —select the desired mode using feature #77 (p. 55), and —press AUTO ANSWER to turn on the arrow (▼) on the right of the display. <p style="text-align: right; margin-right: 100px;">Display: <input style="float: right; margin-left: 5px;" type="text"/></p> <p style="text-align: right; margin-right: 100px;">ON</p> <ul style="list-style-type: none"> ● If you want to set TEL mode: <ul style="list-style-type: none"> —press AUTO ANSWER to turn off the arrow (▼) on the right of the display. <p style="text-align: right; margin-right: 100px;"><input style="width: 150px; height: 25px;" type="text"/></p> <p style="text-align: right; margin-right: 100px;">ON</p>
<p>The other party complains that they cannot send a document.</p>	<ul style="list-style-type: none"> ● The unit is not in AUTO ANSWER mode. Press AUTO ANSWER to turn on the arrow (▼) on the right of the display. <p style="text-align: right; margin-right: 100px;"><input style="width: 150px; height: 25px;" type="text"/></p> <p style="text-align: right; margin-right: 100px;">ON</p>

Operations

Copying

Problem	Cause & solution
The unit does not make a copy.	<ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> The glass or rollers are dirty. Clean them (p. 67).
The copied image is distorted.	<ul style="list-style-type: none"> The thermal head is dirty. Clean it (p. 68).
The printing quality is poor. 	<ul style="list-style-type: none"> Some paper has instructions recommending which side to print on. Try turning the paper over. We recommend smooth paper such as Hammermill® Jet Print for clearer printing. You may have used paper with a cotton and/or fiber content that is over 20%, such as letterhead or resume paper. We recommend smooth paper such as Hammermill® Jet Print for clearer printing.

Using an answering machine

Problem	Cause & solution
I cannot receive documents automatically.	<ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> Check if the answering machine is turned on and connected to the fax machine properly (p. 42). 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.	<ul style="list-style-type: none"> The remote access code on your answering machine is the same as your fax activation code. Set a different number for features #12 (p. 51) and #41 (p. 54). 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. 51).
I pressed the remote access code to access the answering machine remotely, but the line was disconnected.	<ul style="list-style-type: none"> 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. 51).
Callers complain that they cannot send a document.	<ul style="list-style-type: none"> 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. 52) 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				
RESTARTED AT:Jan. 05 2001 04:31AM				
YOUR LOGO :				
YOUR FAX NO. :				
<< WARNING >>				
CONTENTS HAVE BEEN CLEARED DUE TO POWER DOWN.				
FOR ADDITIONAL INFORMATION, PLEASE SEE THE JOURNAL REPORT.				
NO.	OTHER FACSIMILE	MODE	PAGES	FUNCTION
01	<FAX # NOT AVAIL.>	RCV	01	MEMORY RECEIVE

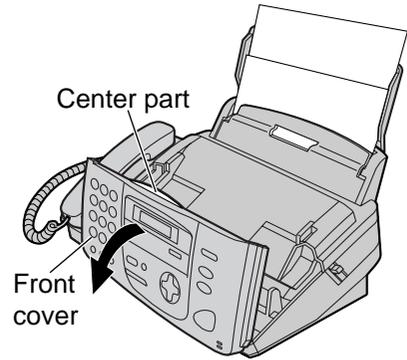
Recording paper jam

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

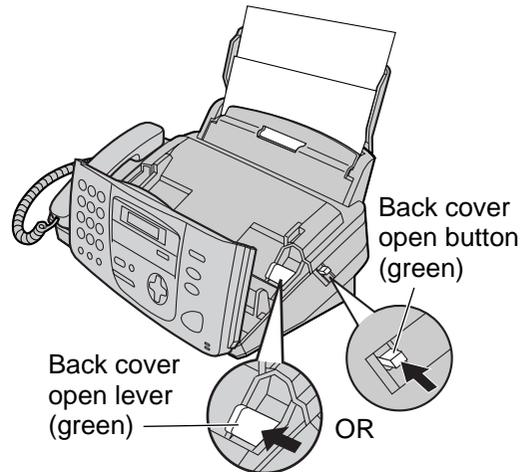
Display: PAPER JAMMED

Remove the jammed paper as follows.

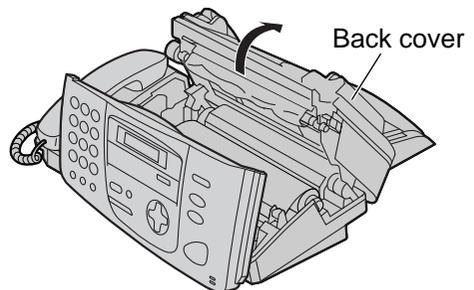
1 Open the front cover by pulling up the center part.



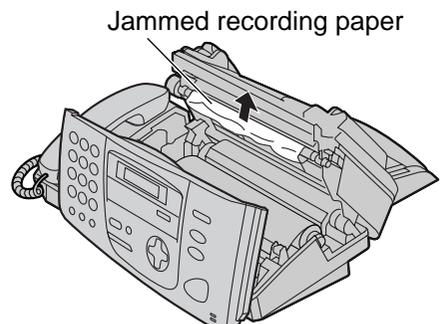
2 Push the back cover open button (green) on the right side of the unit.
OR
Push the back cover open lever (green) inside of the unit.



3 Open the back cover.

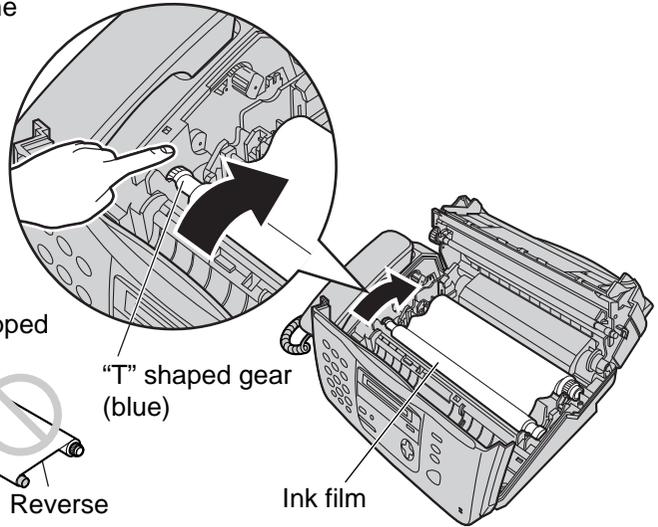
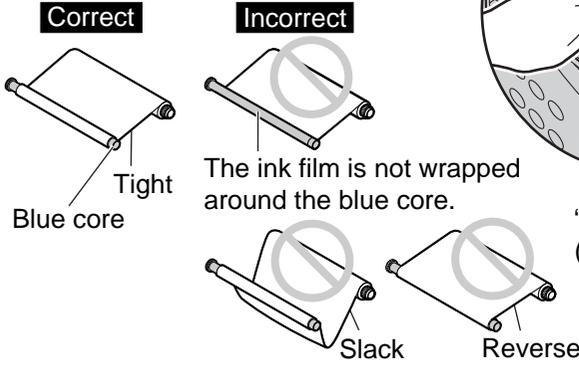


4 Remove the jammed recording paper.

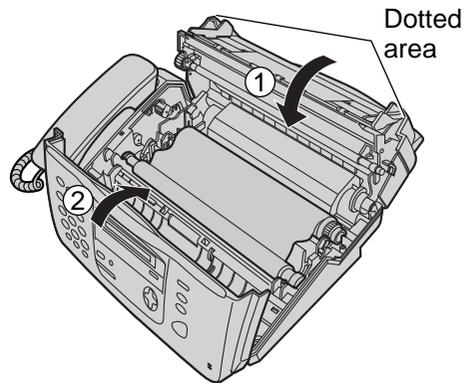


5 Turn the “T” shaped gear (blue) in the direction of the arrow.

- Make sure that the ink film is wrapped around the blue core at least once.



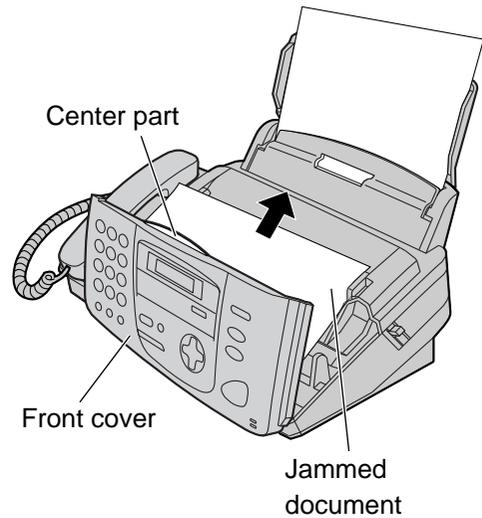
6 Close the back cover securely by pushing down on the dotted area at both ends (①). Close the front cover securely (②).



Document jams – sending

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

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



Note:

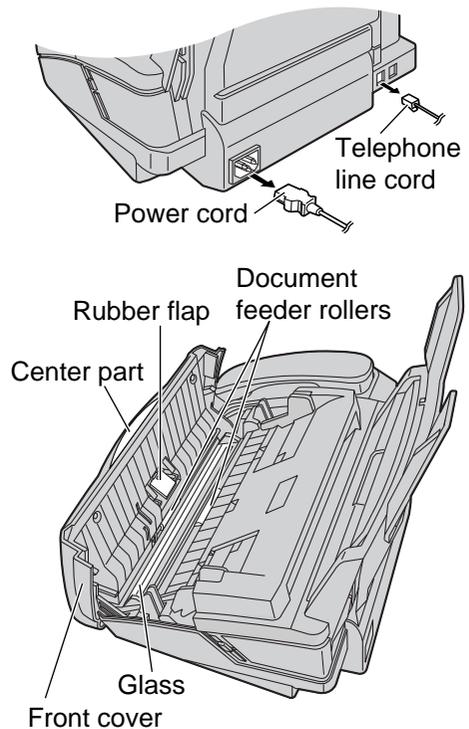
- Do not pull out the jammed paper forcibly before opening the front cover.



Document feeder

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

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



Caution:

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

Cleaning

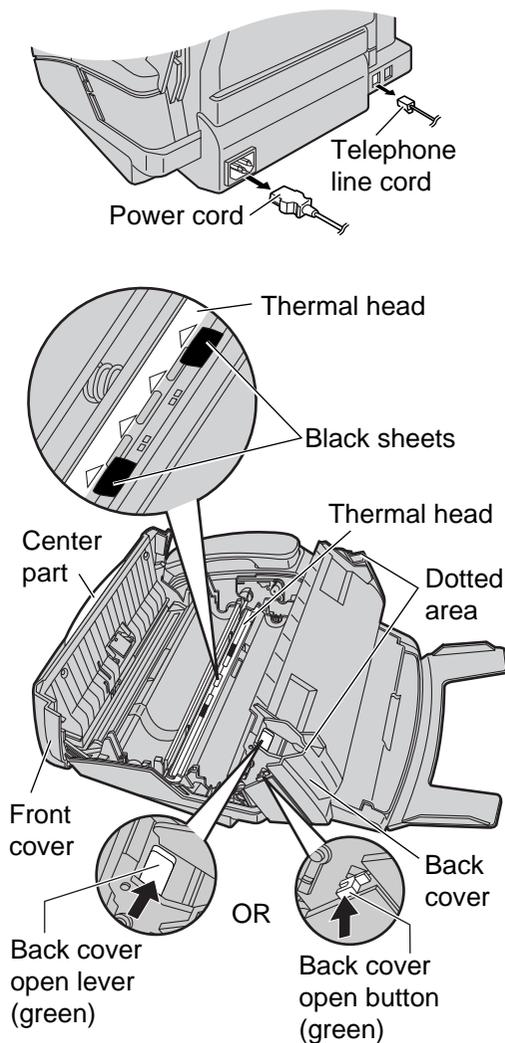
Thermal head

If dirty patterns or black or white bands appear on a copied or received document, check whether there is dust on the thermal head and clean the thermal head to remove the dust.

- 1** Disconnect the power cord and the telephone line cord.
- 2** Open the front cover by pulling up the center part.
- 3** Open the back cover by pushing the back cover open button (green) or pushing the back cover open lever (green).
- 4** Clean the thermal head with a cloth moistened with isopropyl rubbing alcohol, and let it dry thoroughly.
 - **Do not touch the black sheets on the thermal head.**
- 5** Close the back cover securely by pushing down on the dotted area at both ends. Close the front cover securely.
- 6** Connect the power cord and the telephone line cord.

Caution:

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



Reference lists and reports

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

Setup list: provides you with the current settings of the basic and advanced programming features (p. 50–55).

Telephone number list: provides you with names and telephone numbers which are stored in the directory.

Journal report: keeps records of fax transmission and reception. This report will be printed automatically after every 30 fax communications (p. 31).

Printer test list: allows you to check the print quality of your unit. If the test print has a dirty pattern, or blurred points or lines, clean the thermal head (p. 68).

Broadcast programming list: provides you with items which are stored in the broadcast feature (p. 33).

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

1 Press **MENU** three times.

Display: PRINT REPORT
PRESS NAVI. [◀ ▶]

2 Press **◀** or **▶** until the desired item is displayed.

SETUP LIST
PRESS SET

TEL NO. LIST
PRESS SET

JOURNAL REPORT
PRESS SET

PRINTER TEST
PRESS SET

BROADCAST LIST
PRESS SET

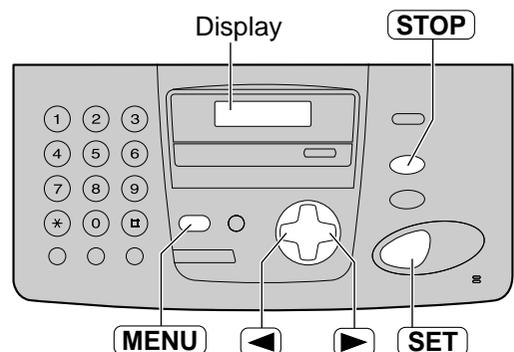
CALLER ID LIST
PRESS SET

3 Press **SET** to start printing.

PRINTING

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

4 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:

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

This telephone provides magnetic coupling to hearing aids.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no 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 6-month limited warranty 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

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 29 th 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 7850-12 th 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 20425-84 th Avenue South Kent, WA 98032 HAWAII 99-859 Iwaiwa Street Aiea, Hawaii 96701 Phone (808) 488-1996 Fax (808) 486-4369
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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

Technical data about this product

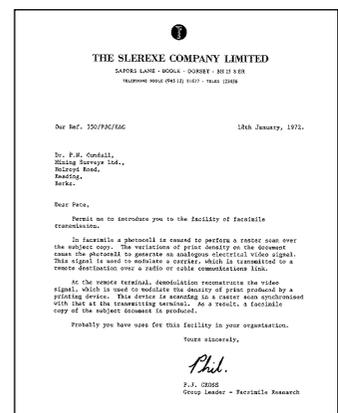
Applicable Lines:	Public Switched Telephone Network
Document Size:	Max. 216 mm (8½") in width / Max. 600 mm (23⅞") in length
Effective Scanning Width:	208 mm (8⅜")
Recording Paper Size:	Letter: 216 mm x 279 mm (8½" x 11") Legal: 216 mm x 356 mm (8½" x 14") A4: 210 mm x 297 mm (8¼" x 11⅞")
Effective Printing Width:	208 mm (8⅜")
Transmission Time*:	Approx. 15 s/page (Original mode)**
Scanning Density:	Horizontal: 8 pels/mm (203 pels/inch) Vertical: 3.85 lines/mm (98 lines/inch) –STANDARD 7.7 lines/mm (196 lines/inch) –FINE/PHOTO 15.4 lines/mm (392 lines/inch) –SUPER FINE
Halftone Level:	64-level
Scanner Type:	Contact Image Sensor (CIS)
Printer Type:	Thermal Transfer on plain paper
Data Compression System:	Modified Huffman (MH), Modified READ (MR)
Modem Speed:	9,600 / 7,200 / 4,800 / 2,400 bps; Automatic Fallback
Operating Environment:	5 °C – 35 °C (41 °F – 95 °F), 20 % – 80 % RH (Relative Humidity)
Dimensions (H x W x D):	185 mm x 345 mm x 269 mm (7⅞" x 13⅞" x 10⅞")
Mass (Weight):	Approx. 3.1 kg (6.8 lb.)
Power Consumption:	Standby: Approx. 3.3 W Transmission: Approx. 18 W Reception: Approx. 42 W (When receiving a 20% black document) Copy: Approx. 42 W (When copying a 20% black document) Maximum: Approx. 135 W (When copying a 100 % black document)
Power Supply:	120 V AC, 60 Hz
Memory Capacity:	Approx. 25 pages of memory transmission Approx. 28 pages of memory reception (Based on the ITU-T No. 1 Test Chart in standard resolution.)

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

** 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



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



- **6-month limited warranty¹: parts, labor, and toll-free help line²**
- **Free 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 if your original unit is in need of repair.

Here's how it works:

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 the phone.
3. If repairs are necessary and you are entitled to service under the terms and conditions of the limited warranty⁴, we will send a refurbished replacement unit to you by UPS Ground service delivery. The shipping method is upgradable for an extra charge.

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.

Instructions:

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 your 1-800-HELP-FAX call.

Requirements:

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

1. See dealer for limited warranty details.
2. 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.
3. Replacement unit is refurbished.
4. Replacement program is only available in the 50 United States and is subject to termination at any time without advance notice.
5. "Out-of-box failure" is an inoperable unit that was purchased no more than 10 days prior to your 1-800-HELP-FAX call, and would otherwise qualify for warranty service under the terms and conditions of the limited warranty.
6. Panasonic reserves the right to send a refurbished unit.

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One Panasonic Way,
Secaucus, New Jersey 07094

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