

EXHIBIT F

F



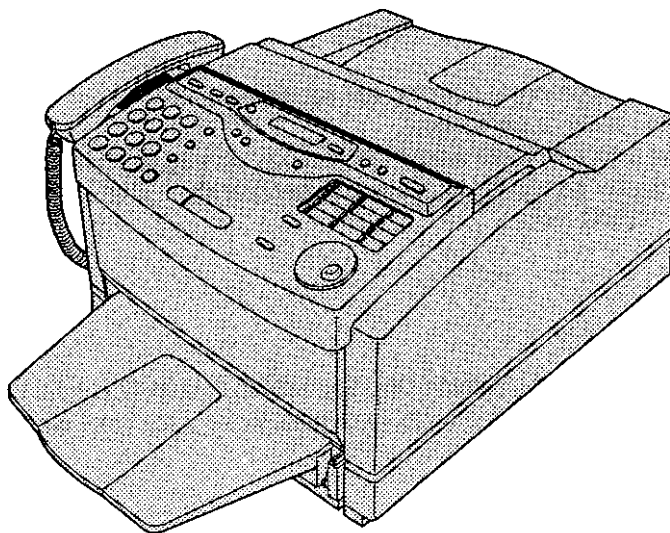
Panasonic

Multi-Function
Laser FAX

Model No.

KX-FLM650

OPERATING INSTRUCTIONS



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

**FOR OPERATION ASSISTANCE,
CALL 1-800-HELP-FAX (1-800-435-7329)
OR SEND A FAX TO 1-215-741-6376.**

- This unit is designed for use in the United States of America, and may not operate in other countries.
- Este producto ha sido diseñado para su uso en los Estados Unidos de América, y puede no funcionar correctamente en otros países.

Thank you for purchasing a Panasonic facsimile.

Welcome to the world of Panasonic facsimiles.

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

Things you should keep record of

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 13 through 16.
- When connecting the fax machine to your computer, use the included parallel cable for reliable data communications and compliance with FCC rules.

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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 AC outlets before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this unit near water, for example near a bath tub, wash bowl, kitchen sink, or the like.
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 three prong grounded plug. If you do not have this type of outlet, please have one installed. Do not use any type of adaptor plug to defeat this safety feature.
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 servicer 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 servicer 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 servicer.
 - 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:

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

WARNING:

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

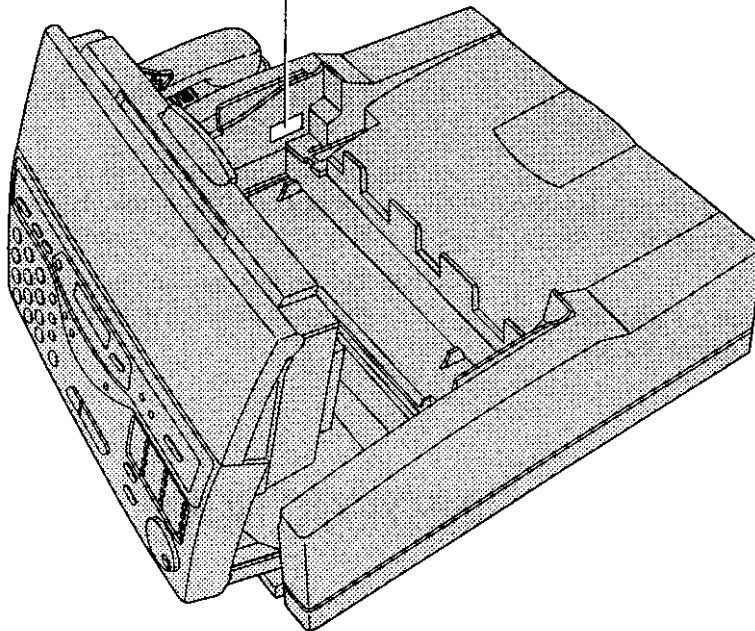
CAUTION:

- This printer utilizes a laser. Use of controls or adjustments or performance of procedures other than those specified here in may result in hazardous radiation exposure.

OTHER INFORMATION

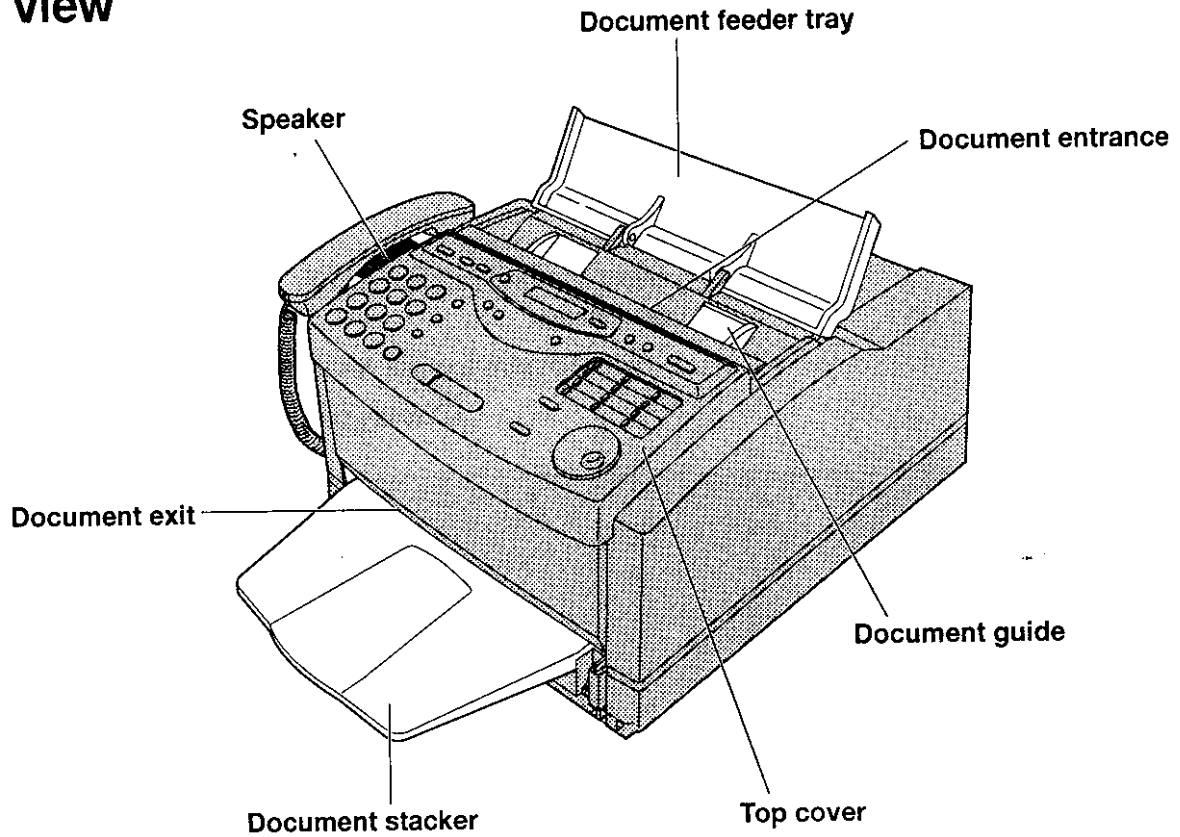
- Keep the unit away from electrical noise generating devices, such as fluorescent lamps and motors.
- The unit should be kept free from dust, high temperature and vibration.
- The unit should not be exposed to direct sunlight.
- Do not place heavy objects on top of this unit.
- Do not touch the plug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

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

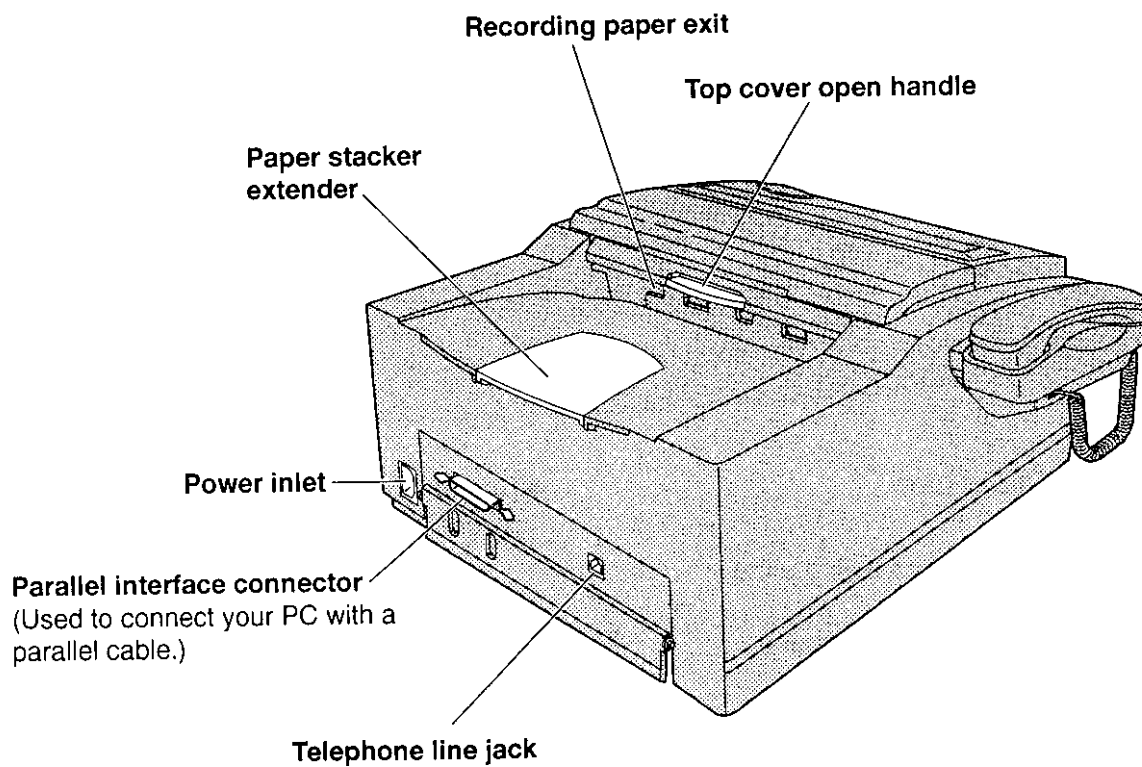


Overview

Front view

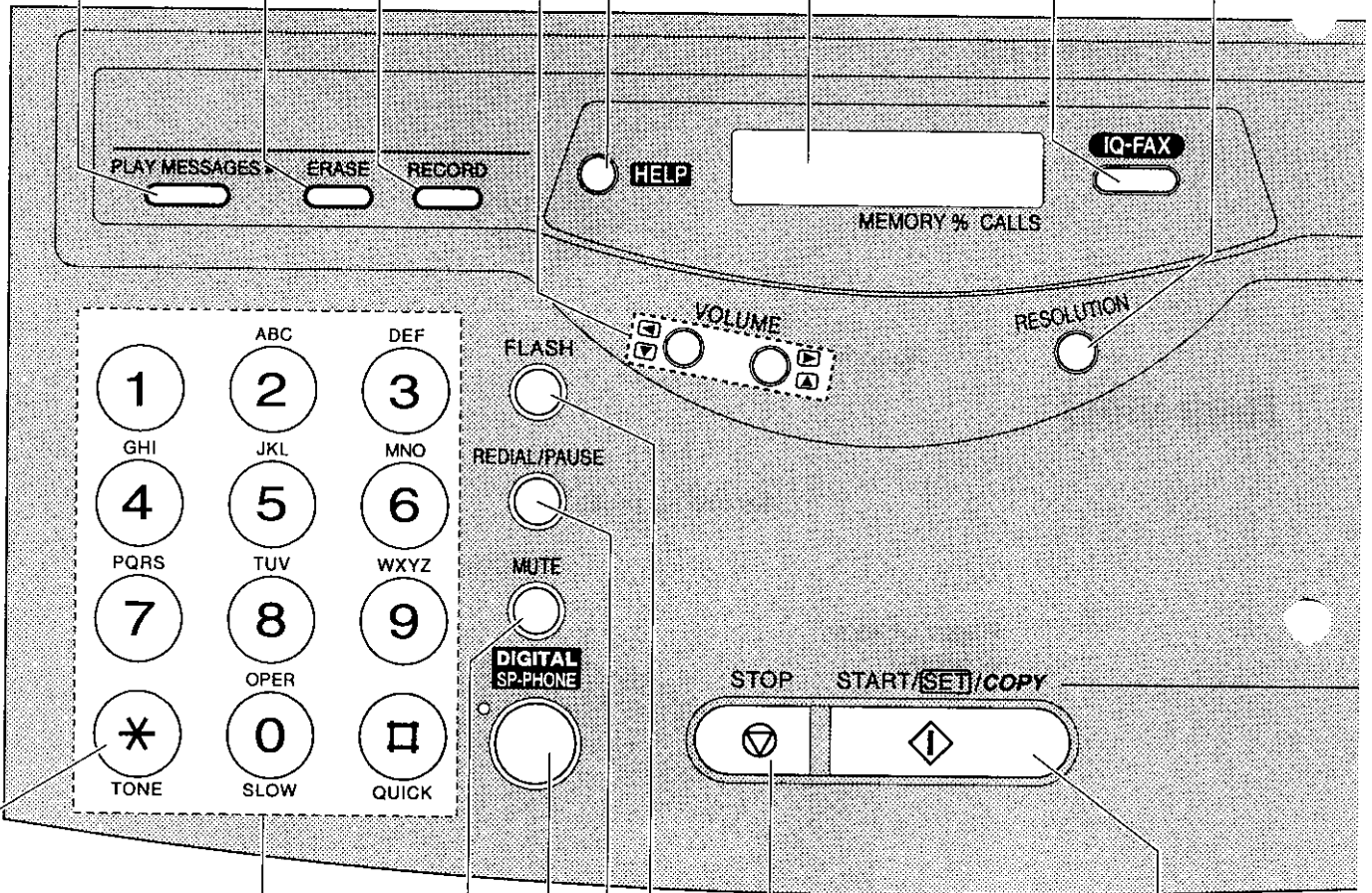


Rear view



Location

- To play recorded messages.
- To erase recorded messages.
- To erase your own greeting messages.
- To record a greeting message.
- To record memo messages and a telephone conversation.
- To adjust volumes.
- To select feature settings during programming.
- To print a quick reference.
- To select a resolution.
- To send faxes using the IQ-FAX function.



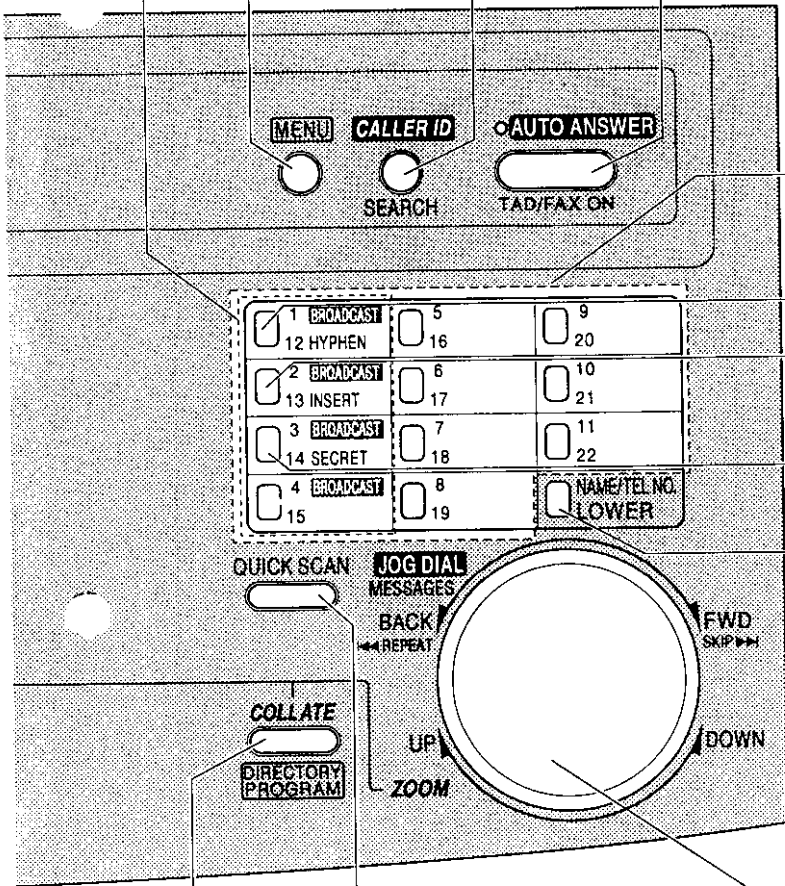
- To change from pulse to tone during dialing.
- To redial the last number dialed.
- To insert a pause during dialing.
- For voice muting.
- For speakerphone operation.
- Hookswitch
- To stop an operation or cancel programming.
- To initiate fax transmission, reception or copying.
- To store a setting during programming.

- For transmission to multiple stations.

- For the Caller ID service.

- To initiate or exit programming.

- To turn on/off the AUTO ANSWER mode.



- For the One-Touch Dial.
- Command keys.

- To insert a hyphen.

- To insert one character or one space.

- To keep the telephone number secret.

- To confirm a stored telephone number.

- To select stations 12–22 for the One-Touch Dial.

- To scan and store a document into memory, and then transmit or copy the stored document.

- To store or edit names and telephone numbers.

- To choose "Collated" or "Uncollated" in the copy mode.

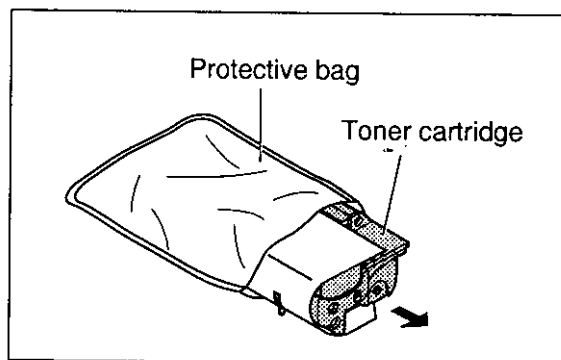
- To search for a stored name.
- To select characters during programming.
- To select the basic features during programming.
- To select an enlargement/reduction rate in the copy mode.
- To repeat or skip the recorded messages in the answering device.

Toner cartridge and drum unit

Caution:

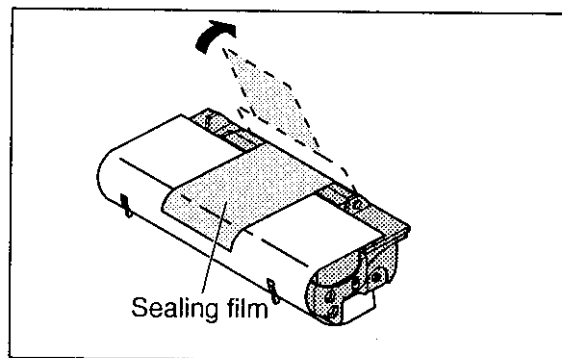
- If ingestion of toner occurs, drink several glasses of water to dilute stomach contents, and seek immediate medical treatment. If eye contact with toner occurs, flush thoroughly with water, and seek medical treatment. If skin contact with toner occurs, wash thoroughly with soap and water.
- Do not open the protective bag until you have read the following instructions and are ready to install the drum unit. The drum unit contains an photosensitive drum. Exposing it to light may damage the drum.
Once you have opened the protective bag;
 - Do not expose the drum unit to light for more than 5 minutes.
 - Do not touch the green drum surface.
 - Do not keep the drum unit near dust or dirt.
 - Do not place the drum unit in a high humidity area.
 - Do not expose the drum unit to direct sunlight.

- 1** Open the protective bag and remove the toner cartridge.

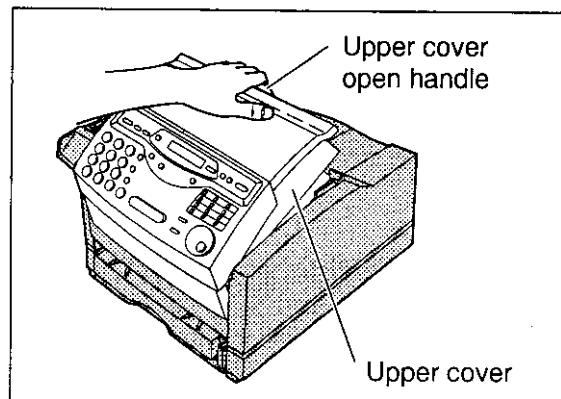


- 2** Remove the sealing film from the toner cartridge.

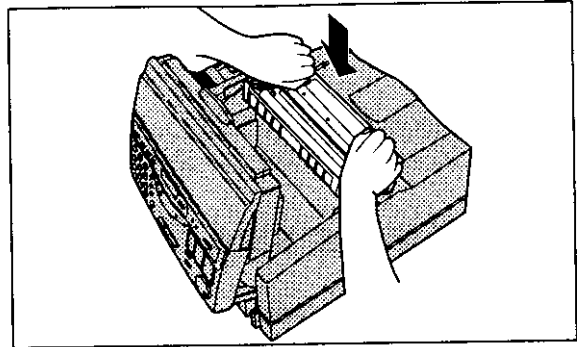
- Be careful not to make the surrounding area dirty when handling the sealing film, because it may contain toner residue.



- 3** Pull the upper cover open handle forward and open the upper cover.

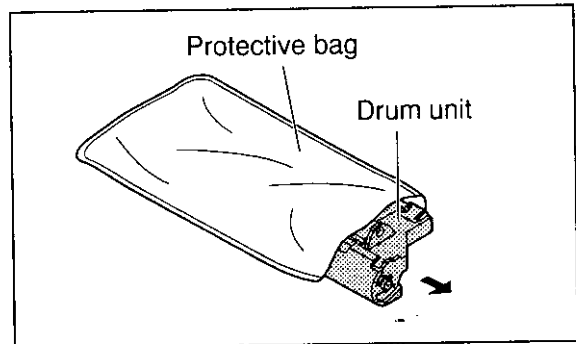


- 4** Install the toner cartridge by holding the two tabs.



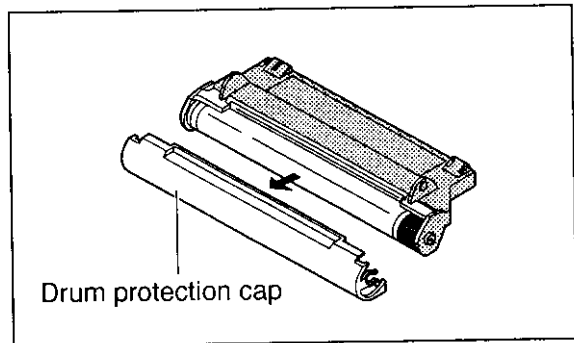
- 5** Open the protective bag by cutting the end of the bag and remove the drum unit.

- Do not expose the drum unit to light for more than 5 minutes as it may damage the drum unit.
- Place the protective bag in the storage bag and keep it in the event that the unit must be repacked and transported.

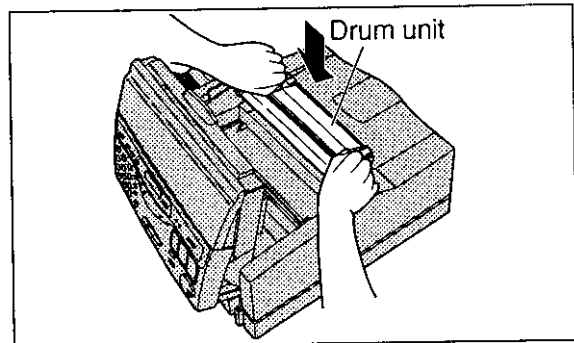


- 6** Remove the drum protection cap.

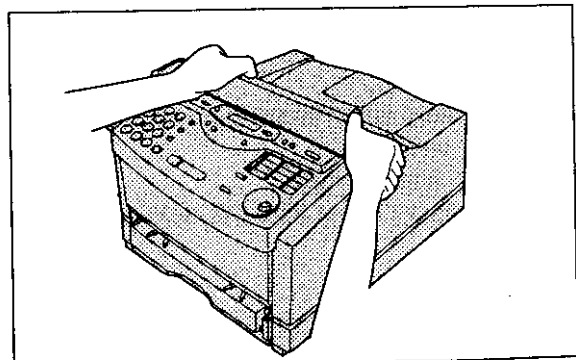
- Do not touch the green drum surface under the protection cap as it may damage the drum unit.
- Place the protection cap in the storage bag and keep it in the event that the unit must be repacked and transported.



- 7** Install the drum unit on the toner cartridge by holding the two tabs.



- 8** Close the upper cover securely by pushing down on both ends.

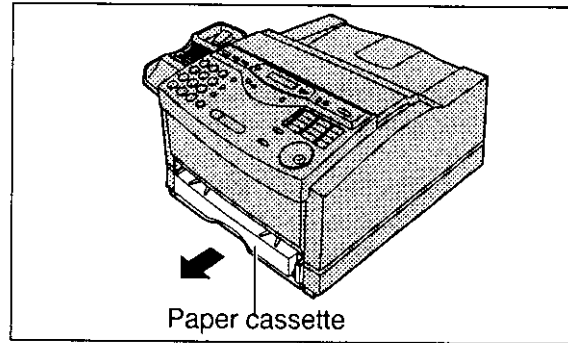


Paper

You can load letter or legal size paper in the paper cassette. The paper cassette can hold up to 150 sheets of 75 g/m² (20 lb.) paper. You may use 60 g/m² to 90 g/m² (16 lb. to 24 lb.) paper.

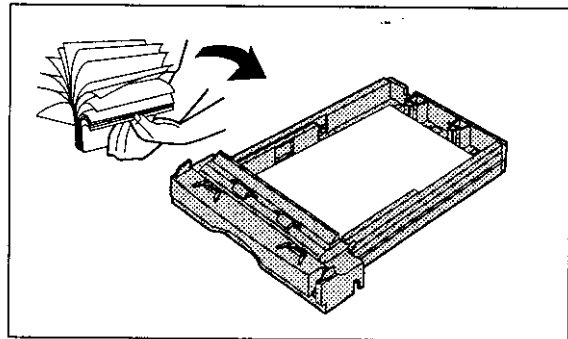
Loading Letter size paper in the paper cassette

- 1 Remove the paper cassette by pulling it out of the unit.

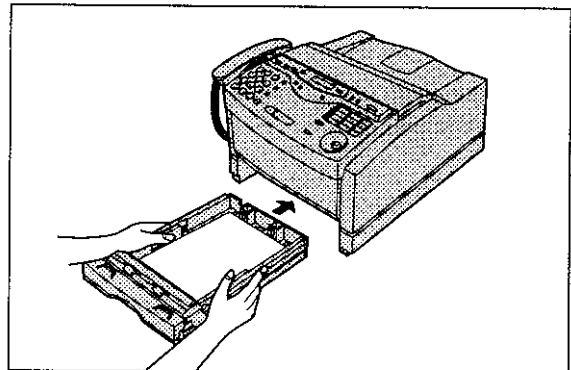


- 2 Fan the stack of paper to prevent a paper jam and insert the paper into the paper cassette.

- The height of the stack of paper should not exceed the upper limit on the paper cassette, otherwise the paper may jam or multi-feed.



- 3 Insert the paper cassette into the unit until it clicks into place.

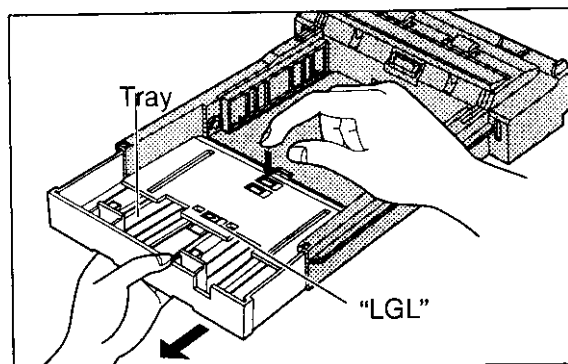


Note:

- Avoid paper with a cotton and/or fiber content that is over 20 %, such as letterhead paper or those used for resumes.
- Do not use different types or thicknesses of paper in the paper cassette at the same time. This may cause a paper jam.
- Avoid extremely smooth or shiny paper that is highly textured. Also avoid paper that is coated, damaged or wrinkled.
- Avoid double-sided printing.
- Do not use paper printed from this unit for double-sided printing with other copiers or printers, or a paper jam may occur.

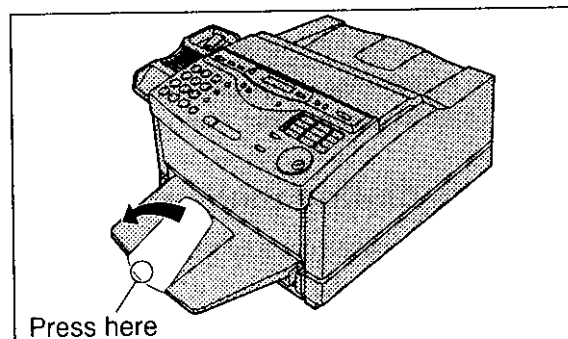
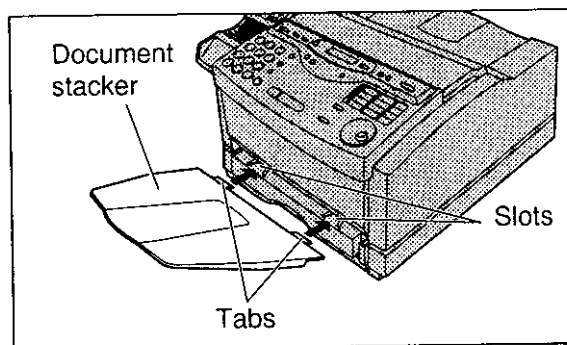
Using legal size paper

- 1 Press the button on the paper cassette to release the tray.
- 2 Slide the tray so that "LGL" on the tray aligns with "◀" on the cassette and lock into place.



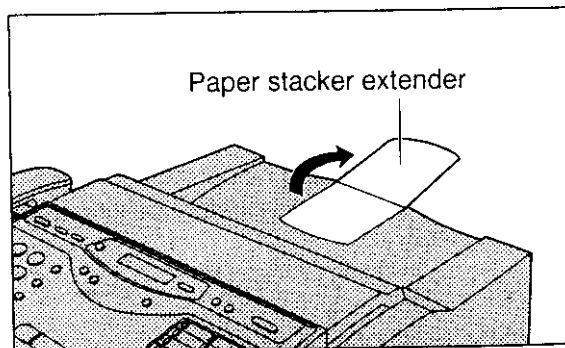
Document stacker

- 1 Insert two tabs of the document stacker into the slots on the unit.
- 2 Open the document stacker extender by pressing "▽" marked on the end of the document stacker.



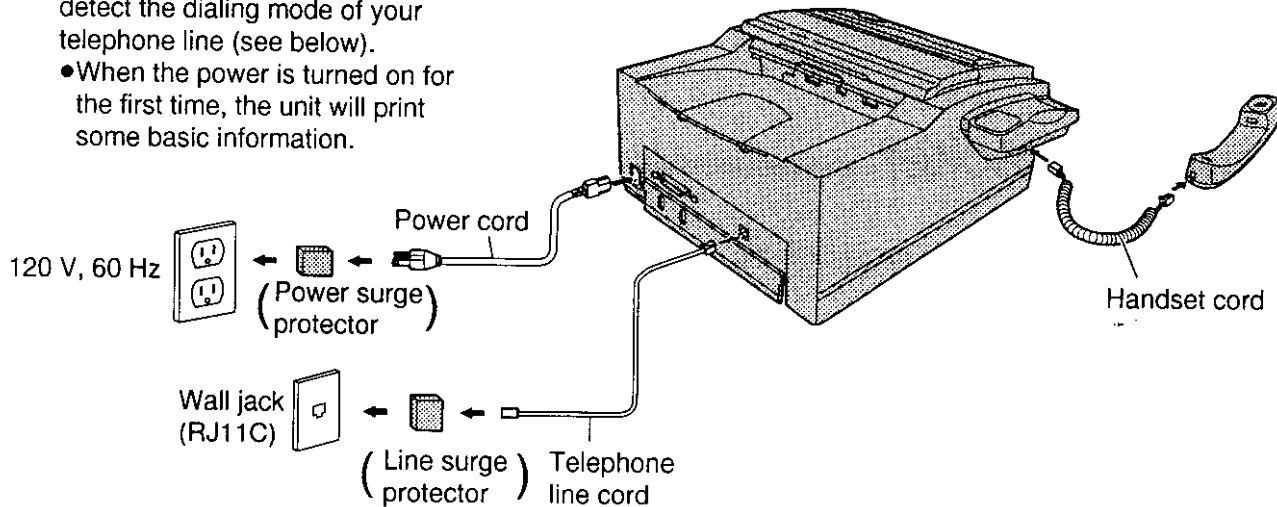
Paper stacker

Open the paper stacker extender.



Connections

- 1 Connect the handset cord.
- 2 Connect the telephone line cord.
- 3 Connect the power cord.
The unit will automatically start to detect the dialing mode of your telephone line (see below).
 - When the power is turned on for the first time, the unit will print some basic information.



Note:

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

Automatic dialing mode setting

When the telephone line cord and the power cord are connected, the unit will automatically start to detect the dialing mode.

Display:

Wait until one of the following messages is displayed.

— If your line has touch tone service:

— If your line has rotary pulse dial service:

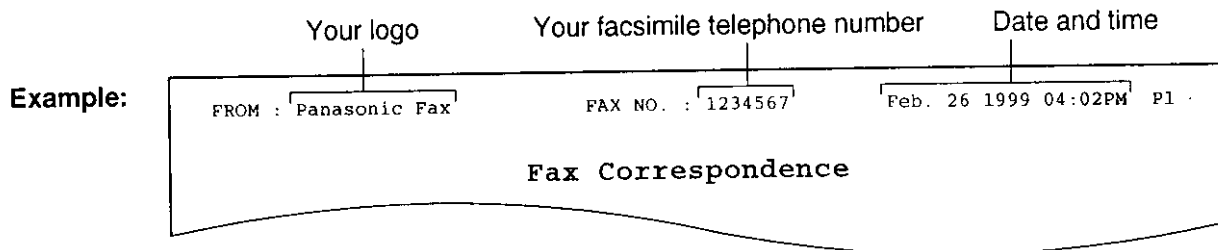
- If the power cord is disconnected or a power failure occurs, the unit will detect the dialing mode again when power is restored.
- You can change the dialing mode setting manually.
- If you connect the power cord before connecting the telephone line cord, the following messages will be shown alternately.

Display: ↔

Connect the telephone line cord properly.

Date and time, your name and facsimile telephone number

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



Setting the date and time

- 1 Press **MENU**.
Display: 1. SYSTEM SET UP
- 2 Press **#**, then **01**.
SET DATE & TIME
- 3 Press **START/SET/COPY**.
M: 01/D: 01/Y: 99
Cursor
- 4 Enter the correct month/day/year by selecting each 2 digits using the dial keypad or **JOG DIAL**.
If using **JOG DIAL**, press **▶** to move the cursor.
Example (using the dial keypad): Aug. 10, 1999
Press **08 10 99**.
M: 08/D: 10/Y: 99
- 5 Press **START/SET/COPY**.
TIME: 12:00AM
- 6 Enter the correct hour/minute by selecting each 2 digits using the dial keypad or **JOG DIAL**.
If using **JOG DIAL**, press **▶** to move the cursor.
Press ***** to select "AM" or "PM".
Example (using the dial keypad): 3:15PM
1. Press **03 15**.

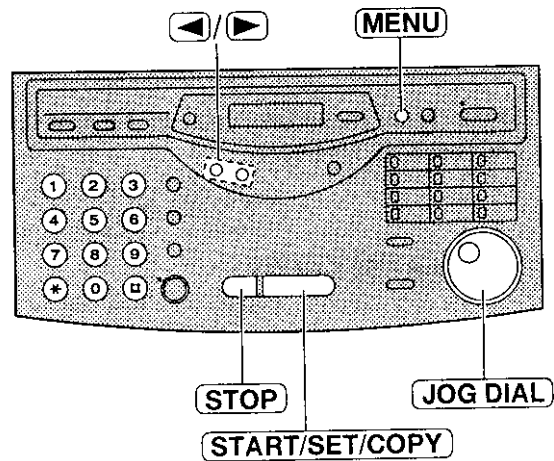
TIME: 03:15AM

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

TIME: 03:15PM

- 7 Press **START/SET/COPY**.
SETUP ITEM []

- 8 Press **MENU**.



Note:

- The ***** key can be used to select "AM" or "PM" wherever the cursor is located.
- 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, then make the correction.
- If you press **STOP** while programming, the display will return to the previous one.

Setting your logo

The logo can be your company, division or name.

1 Press **MENU**.
Display: 1.SYSTEM SET UP

2 Press **#**, then **02**.
YOUR LOGO

3 Press **START/SET/COPY**.
LOGO=

4 Enter your logo, up to 30 characters, by using the dial keypad or **JOG DIAL** (see the next page).

Example (using the dial keypad): Bill

1. Press **2** twice.

LOGO=B
Cursor

2. Press **4** six times.

LOGO=Bi

3. Press **5** six times.

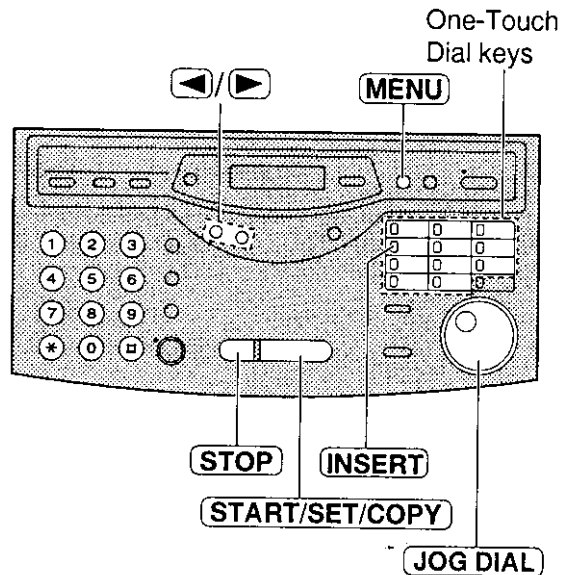
LOGO=Bi_

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

LOGO=Bill_

5 Press **START/SET/COPY**.
SETUP ITEM []

6 Press **MENU**.



To correct a mistake

- Press **◀** or **▶** to move the cursor to the incorrect character, then 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 **INSERT** (One-Touch Dial key 4) to insert a space and enter the character.

To select characters with the dial keypad

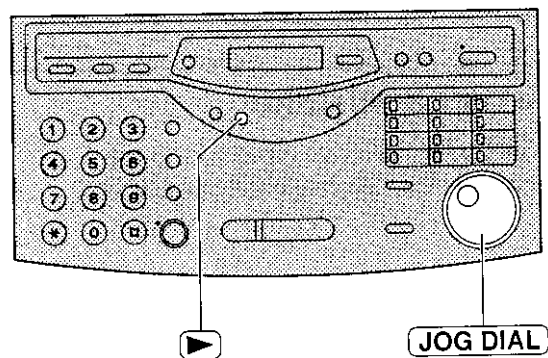
Pressing the dial keys will select a character as shown below.

Keys		Characters
Dial keys	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 () < > ! " # \$ % & ¥ * @ ^ _ ' →
One-Touch Dial keys	□ ¹	HYPHEN key (Used to insert a hyphen.)
	□ ²	INSERT key (Used to insert one character or one space.)
Arrow keys	◀ ▶	◀ key (Used to move the cursor to the left.)
	▲ ▼	▶ key (Used to move the cursor to the right.) To enter another character using the same number key, move the cursor to the next space.

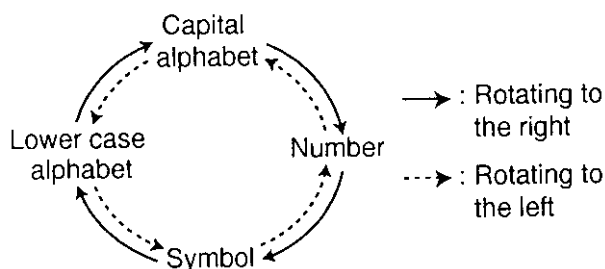
To select characters using the JOG DIAL

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

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



Display order of characters



Setting your facsimile telephone number

1 Press **MENU**.

Display: 1.SYSTEM SET UP

2 Press **#**, then **03**.

YOUR FAX NO.

3 Press **START/SET/COPY**.

NO. =

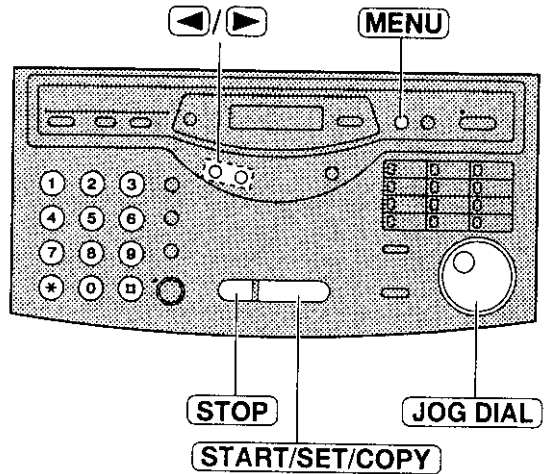
4 Enter your facsimile telephone number up to 20 digits using the dial keypad.

Example: NO. =1234567

5 Press **START/SET/COPY**.

SETUP ITEM []

6 Press **MENU**.



Note:

- You can enter your facsimile telephone number by rotating **JOG DIAL**. To move the cursor, press **▶**.
- The **#** button replaces a digit with a space and the ***** button a "+".

Example (using the dial keypad): +234 5678

Press ***234#5678**.

To correct a mistake

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

To delete a number

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

Recording paper size

Set the size of recording paper you load in the paper cassette.
This setting is used when the unit determines the reduction rate for incoming faxes.

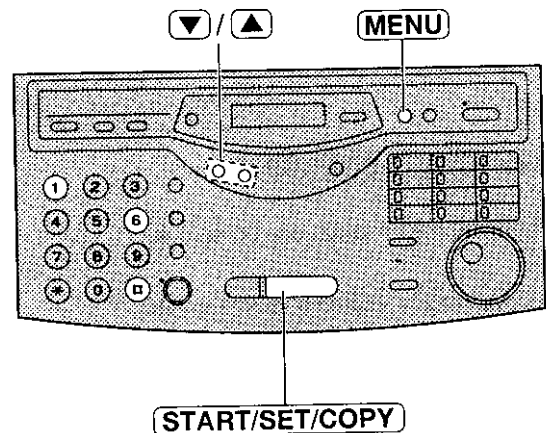
The following choices are available.

LETTER: 216 mm × 279 mm (8½" × 11")

A4: 210 mm × 297 mm (May not be available in the United States.)

LEGAL: 216 mm × 356 mm (8½" × 14")

- 1 Press **MENU**.
Display: 1.SYSTEM SET UP
- 2 Press **#**, then **16**.
PAPER SIZE
- 3 Press **START/SET/COPY**.
=LETTER ▼▲
- 4 Press ▼ or ▲ to select the size of paper you load.
- 5 Press **START/SET/COPY**.
SETUP ITEM []
- 6 Press **MENU**.



Adjusting volumes

Ringer volume

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

While the unit is idle, press ▼ or ▲.

■ To turn the ringer off:

1. Press ▼ repeatedly until the following message is displayed.

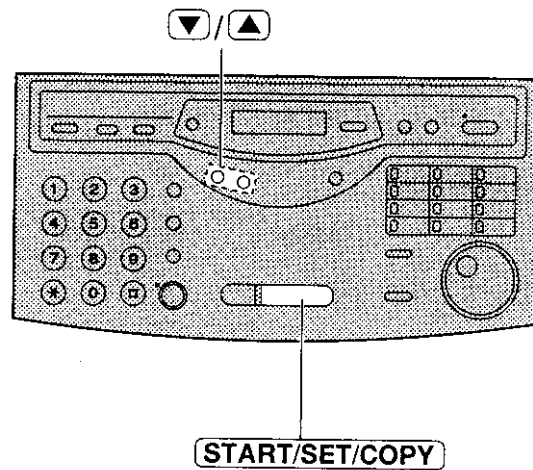
Display: RINGER OFF= OK?



YES: PRESS SET

2. Press **START/SET/COPY**.

- To turn the ringer back on, press ▲.



■ While the ringer volume is set to off:

The display will show the following message.

RINGER OFF

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

INCOMING CALL

Handset receiver volume

5 levels (high to low) are available.

While using the handset, press ▼ or ▲.

Speaker volume

8 levels (high to low) are available.

While using the speakerphone, press ▼ or ▲.

Voice calls - making

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

Display: TEL=

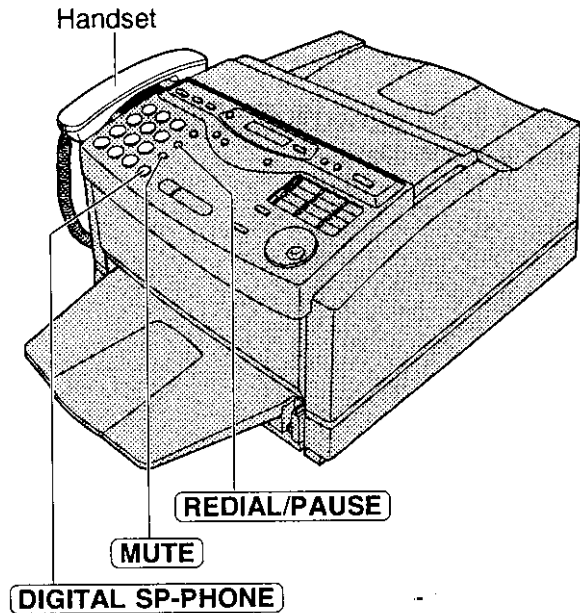
- 2** Dial the telephone number.

Example: TEL=2345678

- If you misdial, hang up and dial again.

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

- 4** When finished talking, press **DIGITAL SP-PHONE** or replace the handset.



To redial the last number

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

2. Press **REDIAL/PAUSE**.

3. When the other party answers, speak with the handset.

- If the line is busy when using the **DIGITAL SP-PHONE** button, the unit will automatically redial the number up to 14 times.
- During redial, the following will be displayed.

Display: WAITING REDIAL

To mute your voice to the other party

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

Display: <MUTE>

- The other party cannot hear you, but you can hear them.

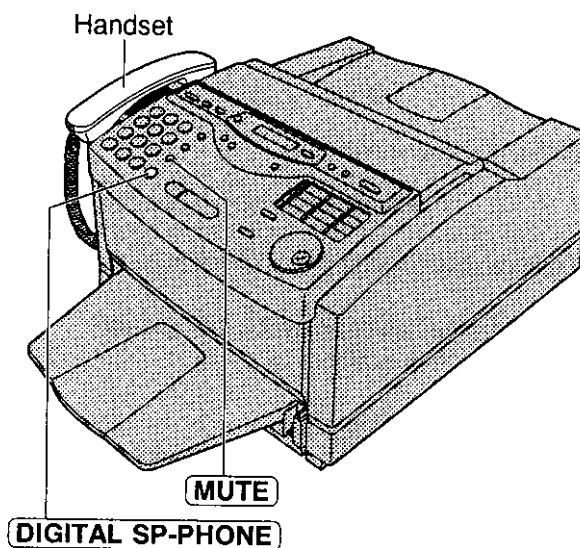
2. To resume the conversation, press **MUTE**.

Hints for the speakerphone operation

- Use the speakerphone in a quiet room.
- If you have difficulty hearing the other party, adjust the volume using **▼** or **▲**.
- If you and the other party speak at the same time, parts of your conversation will be cut off.
- To switch to the handset, lift the handset. To switch back to the speakerphone, press **DIGITAL SP-PHONE**.

Voice calls - answering

- 1 When the unit rings, press **DIGITAL SP-PHONE** or lift the handset.
- 2 When finished, press **DIGITAL SP-PHONE** or hang up the handset.



To mute your voice to the other party

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

Display: <MUTE>

- The other party cannot hear you, but you can hear them.

2. To resume the conversation, press **MUTE**.

Sending a fax manually

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

Display: STANDARD

- 4 If necessary, press **RESOLUTION** repeatedly to select the desired setting (see the bottom of this page).

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

TEL=

- 6 Dial the fax number.

Example: TEL=5678901

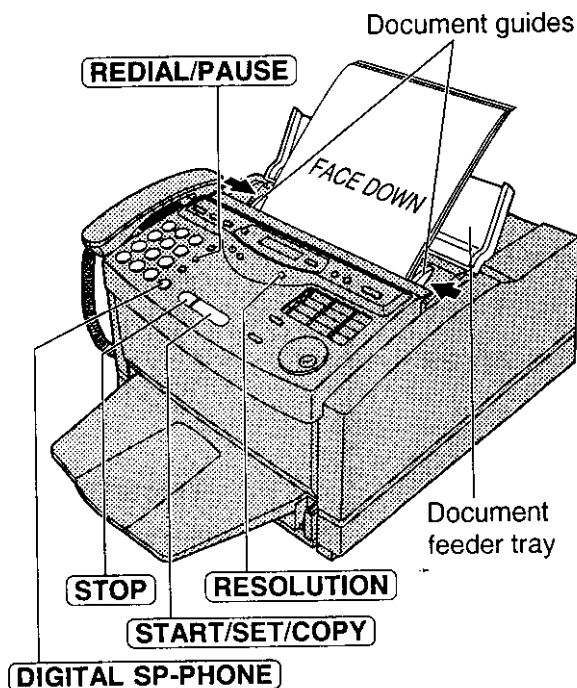
- 7 **When a fax tone is heard:**
Press **START/SET/COPY**, and replace the handset if using it.

OR

When the other party answers your call:

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

CONNECTING.....



Note:

- If you cannot send a fax, confirm the problem by printing a journal report and try to solve the problem.

To feed more than 15 pages at a time

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

To redial the last number

Press **REDIAL/PAUSE**.

- If the line is busy, the unit will automatically redial the number up to 5 times.
- During redial, the following will be displayed.

Display: WAITING REDIAL

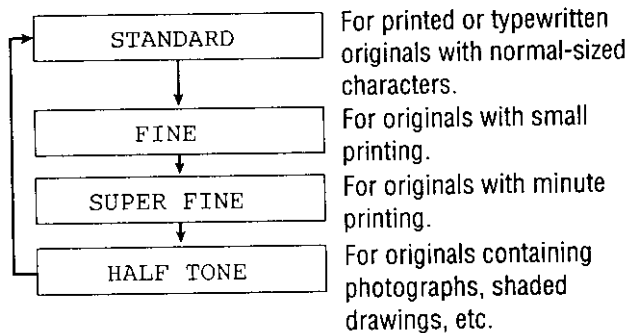
To stop transmission

Press **STOP**.

To eject the document, press **STOP** again.

To select the resolution

Select the desired resolution according to the type of document.



- Using the fine, super fine or half tone setting will increase the transmission time.
- If the resolution setting is changed during feeding, it will be effective from the next sheet.
- The super fine resolution only works with other compatible fax machines.

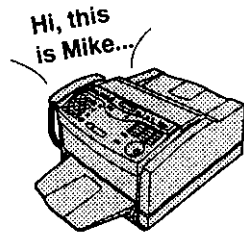
Setting the unit to receive calls

Option A

Option B

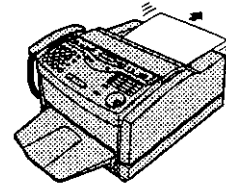
How you want to use the unit to receive faxes

To receive voice and fax calls automatically.



Voice/Fax call

You have a separate telephone line just for fax calls.



Fax call

You have to set this.

TAD/FAX mode

(Telephone Answering Device/
Facsimile mode)

PRE-SELECTED SETTING

FAX ONLY mode

The AUTO ANSWER light should be ON.

- If the AUTO ANSWER light is off, press **AUTO ANSWER** to turn it on.

This is how the unit will operate.

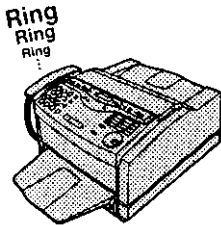
When receiving voice calls:
The unit will activate the answering device and record voice messages.

When receiving fax calls:
The unit will activate the fax function to receive documents.

All incoming calls will be answered as faxes, and the unit will try to receive a fax.

Option C

To answer all voice and fax calls yourself.



Voice/Fax call

TEL mode

AUTO ANSWER is OFF.

The AUTO ANSWER light should be OFF.

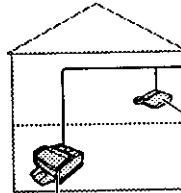
- To turn the AUTO ANSWER light off, press **AUTO ANSWER**.

When the unit rings, you must answer all calls.

- If you hear a fax calling tone (slow beep) or no sound is heard, press **START/SET/COPY**.

Option C

You have Distinctive Ring service from the telephone company (this allows you to have up to 3 telephone numbers on the same line).



2 number example

To the same line

Telephone No.
(555-1111)

Facsimile No. (555-1333)

To activate the Distinctive Ring mode, select the same ring pattern assigned to the facsimile number in feature #31.

- 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)

The unit will automatically answer calls received at your facsimile number. If a call is received at the other telephone number, the unit will operate based on the set receive mode.

Other options

Voice mail

If you have a voice mail service from your telephone company, you also need to subscribe to a Distinctive Ring service.

TEL mode

(answering all calls manually)

Turn off the AUTO ANSWER mode by pressing **AUTO ANSWER** until the AUTO ANSWER light turns off.

- The display will show the following.

Display: TEL MODE

1 When the unit rings, press **DIGITAL SP-PHONE** or lift the handset to answer the call.

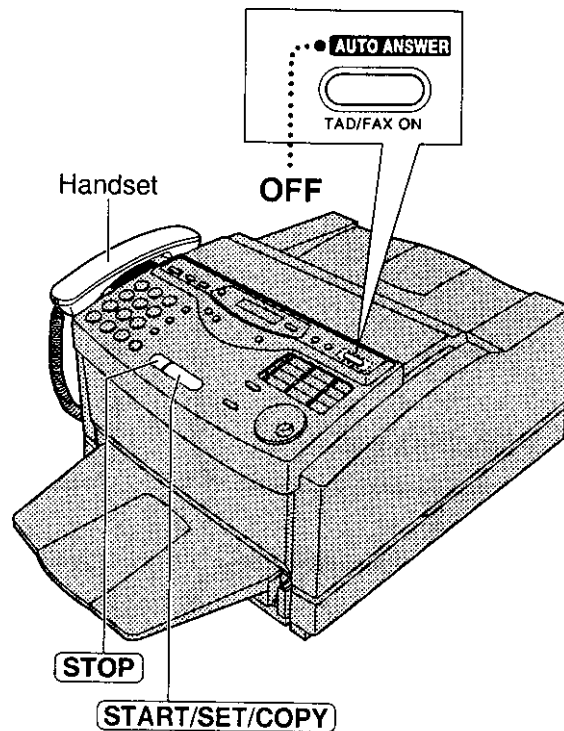
2 When:
— document reception is required,
— a fax calling tone (slow beep) is heard, or
— no sound is heard,
press **START/SET/COPY**.

CONNECTING

3 Replace the handset, if using it.
• The unit will start reception.

Note:

- If you do not answer the call within 15 rings, the unit will temporarily activate the answering device and/or fax function. If you want to change to the TAD/FAX mode, enter the remote operation ID during the greeting message.



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 receiving even if you do not press

START/SET/COPY.

- If this feature is not required, set to "OFF".

Memory reception

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

While documents are in memory, the unit will:

- display an error message and the following message alternately;

Display: FAX IN MEMORY

- alert you with a slow beep (memory reception alert).

TAD/FAX mode

(using the built-in answering device and receiving voice and fax calls automatically)

When you turn on AUTO ANSWER (the pre-selected setting is TAD/FAX), the unit will work as a fax machine and/or answering device.

If a fax call is detected, the unit will automatically switch to receive faxes.

If a voice call is detected, the answering device will begin recording and the caller can leave a voice message.

- You can use a pre-recorded greeting message or record your own greeting message.

Setting up the voice message and document reception

The total recording time (including the greeting messages) is about 18 minutes. If messages are recorded in a noisy room, the recording time may be shortened up to 11 minutes.

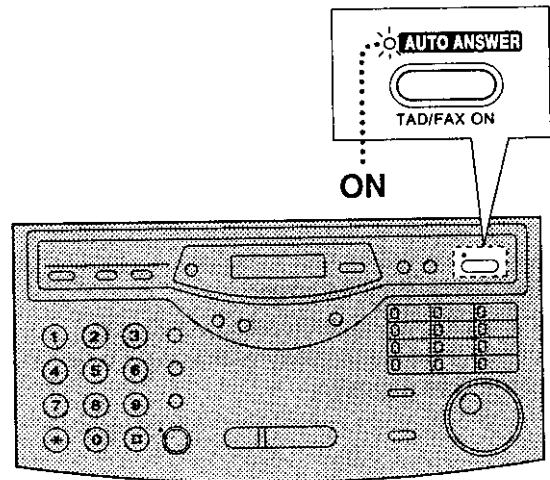
To set the unit to record incoming voice messages and receive fax documents, follow the steps below.

- 1 Select "TAD/FAX" in feature setting #77.
- 2 If the AUTO ANSWER light is off, turn it on by pressing **AUTO ANSWER**.
 - The unit will play the TAD/FAX greeting message and the display will show the following message.

Display: CONNECTING.....

The remaining time for recording incoming messages will be displayed.

Example: TIME = 10m13s



Note:

- Each incoming message recording time can be set to either 1 minute or unlimited.
- When the remaining time is low, erase unnecessary messages from memory.
- While an incoming call is being recorded, you can monitor it through the speaker. If this feature is not required, set the ICM monitor feature to "OFF".

Listening to recorded messages

When the unit receives voice messages:

- the PLAY MESSAGES light will flash,
- the call counter will show the total number of recorded messages, and
- slow beeps will sound if message alert is set to ON.

When the PLAY MESSAGES light is flashing

Press **PLAY MESSAGES**.

- Only the new recorded messages will be played.

When the PLAY MESSAGES light is on

Press **PLAY MESSAGES**.

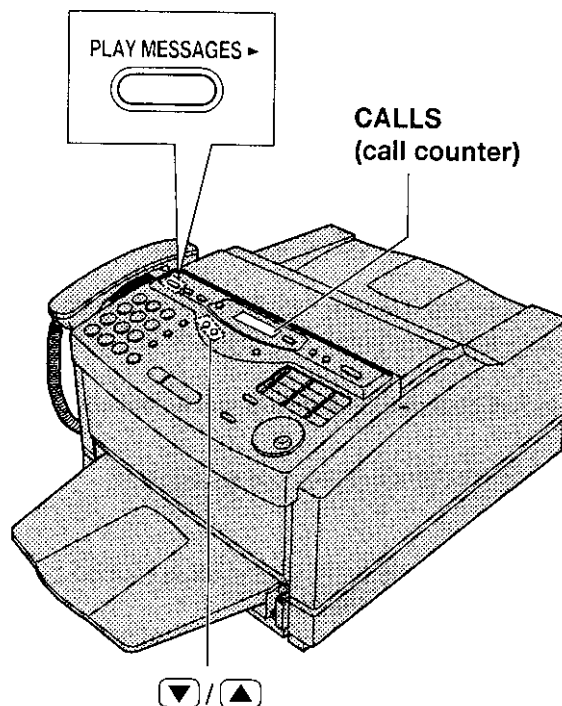
- All messages will be played.

Note:

- During playback, the display shows the recorded order of the messages.
- You can adjust the speaker volume using ▼ or ▲.
- The number of calls in the call counter will not decrease until you erase the recorded messages.

Voice time/day stamp:

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



Erasing recorded messages

Erase unnecessary messages to prevent memory from becoming full.

Erasing a specific message

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

Erasing all the messages

1. Press **ERASE** after listening to all of the messages.

Display: 1. ALL MESSAGES



PRESS START

2. Press **START/COPY/SET**.

ERASE MESSAGES?



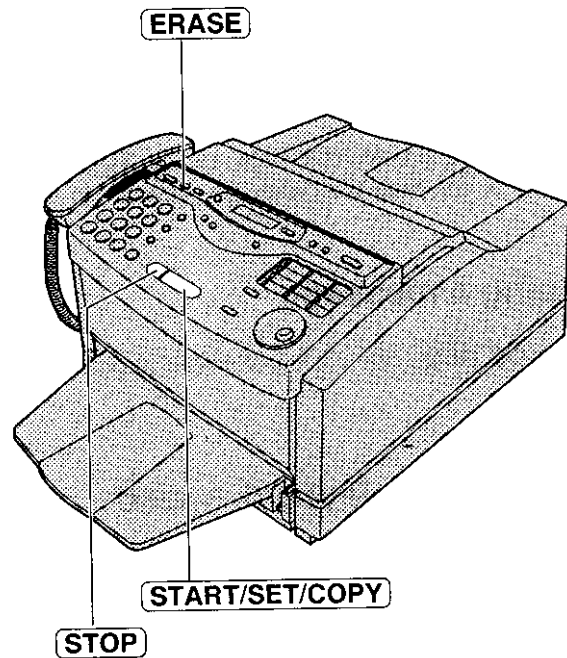
YES: PRESS START

•To stop erasing, press **STOP**.

3. Press **START/COPY/SET**.

ERASING

ERASE COMPLETED



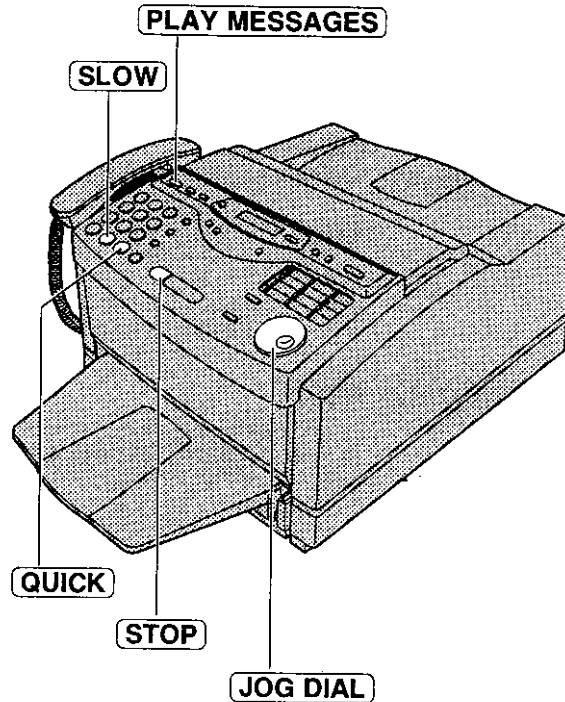
Functions while playing a message

(repeating, skipping and stopping)

Repeating a message

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

- If you rotate **JOG DIAL** within 5 seconds of the beginning of the message, the previous message will be played.
- To play back a specific message, rotate **JOG DIAL** to the left until you hear the message you want to repeat.



Skipping a message

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

Changing the playback speed

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

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

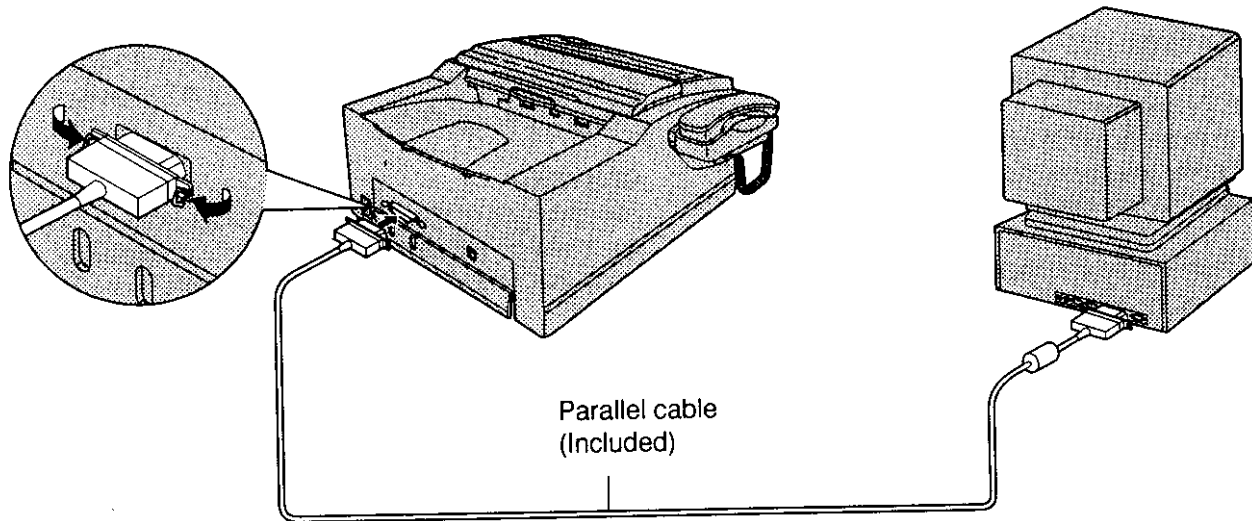
- To return to the original speed, press **QUICK** or **SLOW** again during quick or slow playback.

Stopping playback

Press **STOP**.

- To resume playing the recorded messages, press **PLAY MESSAGES** within 1 minute.

Connecting to a computer



Caution:

- When connecting the fax machine to your computer, use the included parallel cable for reliable data communications and compliance with FCC rules.

Installing the PANA LINK software

- 1 Start Windows 95 or Windows 98 and close all applications.
- 2 Insert the included CD into your CD-ROM drive.
 - An installation dialog box should be displayed automatically.
 - If setup wizard does not start automatically, click **Start**, choose **Run...** Type "**d:\setup**" (depending on the drive letter of your CD-ROM drive). Click **OK**.
 - (If you are not sure which drive letter is for your CD-ROM drive, please use Windows Explorer and look for the CD-ROM drive.)
- 3 Follow the instructions on the screen until all files have been installed.

Activating the PANA LINK software

- 1 Click **Start**.
- 2 Point to **Programs**, point to PANA LINK and click **PANA LINK**.
 - The PANA LINK main panel will appear.

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.

Panasonic Consumer Electronics Company,
Division of Matsushita Electric Corporation of America
One Panasonic Way, Secaucus,
New Jersey 07094

Panasonic Sales Company
Division of Matsushita Electric of
Puerto Rico, Inc.
Ave. 65 de Infantería, Km. 9.5, San Gabriel
Industrial Park, Carolina, Puerto Rico 00985

PANASONIC Facsimile Products Limited Warranty

Have any questions? CALL 1-800-HELPFAX on:
How to operate the unit,
How to get repair service,
How to get supplies.

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

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

Carry-in or mail-in service in the USA or Puerto Rico can be obtained during the warranty period by contacting a Panasonic Services Company (PASC) Factory Servicenter listed in the Servicenter Directory. Or call, toll free, 1-800-HELP FAX (1-800-435-7329) to locate a PASC Factory Servicenter. Carry-in or 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 and (when applicable) does not cover the film cartridge, the toner cartridge and drum unit or the print and ink cartridge. 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 cartridges, 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.

Servicenter Directory

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

Web Site: <http://www.Panasonic.com>
 You can purchase parts, accessories or locate your nearest servicenter by visiting our Web Site.

Factory Servicenters Locations

<p>CALIFORNIA 6550 Katella Avenue Cypress, CA 90630</p> <p>800 Dubuque Avenue S. San Francisco, CA 94080</p> <p>20201 Sherman Way Suite 102 Canoga Park, CA 91306</p> <p>3878 Ruffin Road Suite A San Diego, CA 92123</p> <p>COLORADO 1640 South Abilene Street Suite D Aurora, CO 80012</p> <p>FLORIDA 3700 North 29th Avenue Suite 102 Hollywood, FL 33020</p>	<p>GEORGIA 8655 Roswell Road Suite 100 Atlanta, GA 30350</p> <p>ILLINOIS 9060 Golf Road Niles, IL 60714</p> <p>1703 North Randall Road Elgin, IL 60123 (Pick-up / Drop-off only)</p> <p>MARYLAND 62 Mountain Road Glen Burnie, MD 21061</p> <p>MASSACHUSETTS 60 Glacier Drive Suite G Westwood, MA 02090</p>	<p>MICHIGAN 37048 Van Dyke Avenue Sterling Heights, MI 48312</p> <p>MINNESOTA 7850-12th Avenue South Airport Business Center Bloomington, MN 55425</p> <p>OHIO 2236 Waycross Road Civic Center Plaza Forest Park, OH 45240</p> <p>PENNSYLVANIA 2221 Cabot Blvd. West Suite B Langhorne, PA 19047</p> <p>Chartiers Valley Shopping Center 1025 Washington Pike Bridgeville, PA 15017</p>	<p>TENNESSEE 3800 Ezell Road Suite 806 Nashville, TN 37211</p> <p>TEXAS 7482 Harwin Drive Houston, TX 77036</p> <p>13615 Welch Road Suite #101 Farmers Branch, TX 75244</p> <p>WASHINGTON 20425-84th Avenue South Kent, WA 98032</p> <p>HAWAII 99-859 Iwaiwa Street Aiea, Hawaii 96701 Phone (808) 488-1996 Fax (808) 486-4369</p>
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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

Accessory Purchases:

1-800-332-5368 (Customer Orders Only)
 Panasonic Services Company 20421 84th Avenue South, Kent, WA 98032
 (6 am to 5 pm Monday – Friday; 6 am to 10:30 am Saturday; PST)
 (Visa, MasterCard, Discover Card, American Express, Check)

As of Jul. '98

Notes for product service and shipping the product

For product service

- Call toll free 1-800-HELP-FAX (435-7329) for the location of an authorized servicer.

When you ship the product

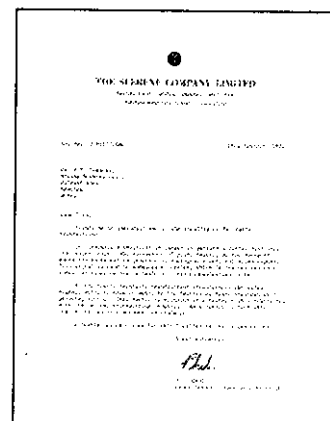
- Carefully pack your unit, preferably in the original carton.
- Attach a letter, detailing the symptom or problem, to the outside of the carton.
- Send the unit to an authorized servicer, prepaid and adequately insured.
- Do not send your unit to the Panasonic Consumer Electronics Company or to any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

Technical data about this product

Applicable Lines:	Public Switched Telephone Network
Document Size:	Max. 216 mm (8½") in width Max. 600 mm (23⅝") in length
Effective Scanning Width:	208 mm (8⅜")
Recording Paper Size:	Letter: 216 mm × 279 mm (8½" × 11") Legal: 216 mm × 356 mm (8½" × 14")
Effective Printing Width:	208 mm (8⅜")
Transmission Time*:	Approx. 8 s/page (Original mode)
Scanning Density:	Horizontal: 8 pels/mm (203 pels/inch) Vertical: 3.85 lines/mm (98 lines/inch) —STANDARD mode 7.7 lines/mm (196 lines/inch) —FINE/HALF TONE mode 15.4 lines/mm (392 lines/inch) —SUPER FINE mode
Halftone Level:	64-level
Scanner Type:	CIS image sensor
Printer Type:	LASER BEAM PRINTER
Data Compression System:	Modified Huffman (MH), Modified READ (MR), Modified Modified READ (MMR)
Modem Speed:	14,400 / 12,000 / 9,600 / 7,200 / 4,800 / 2,400 bps; Automatic Fallback
Operating Environment:	10 °C – 32.5 °C (50 °F – 90.5 °F), 20 % – 80 % RH (Relative Humidity)
Power Supply:	120 V AC, 60 Hz (This unit will not function at 50 Hz.)
Memory Capacity:	Voice memory: Approx. 18 minutes of recording time including the greeting message. Fax memory: Approx. 100 pages of memory reception Approx. 100 pages of memory transmission (Based on the CCITT No. 1 Test Chart in standard resolution.)

*Transmission speed depends upon the contents of the pages, resolution, telephone line conditions and capability of the receiving unit.
The 8 second speed is based upon the CCITT No.1 Test Chart.

CCITT 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.