

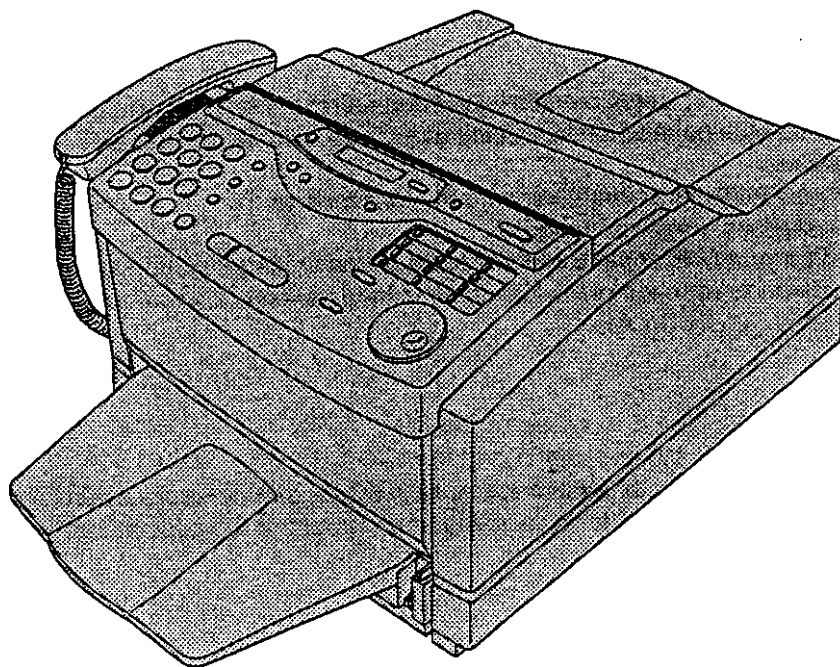
Panasonic

Multi-Function
Plain Paper FAX

Model No.

KX-FLM600

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, 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 bottom 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 through 18.
- When connecting the fax machine to your computer, use the included parallel cable for reliable data communications and compliance with FCC rules.

Copyright:

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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 servicenter when service is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the unit is subsequently used.
13. Unplug this unit from the wall outlet and refer servicing to an authorized servicenter when the following conditions occur:
 - A. When the power supply cord or plug is damaged or frayed.
 - B. If liquid has been spilled into the unit.
 - C. If the unit has been exposed to rain or water.

- D. If the unit does not work normally by following the operating instructions. Adjust only controls covered by the operating instructions. Improper adjustment may require extensive work by an authorized servicenter.
- E. If the unit has been dropped or physically damaged.
- F. If the unit exhibits a distinct change in performance.
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.

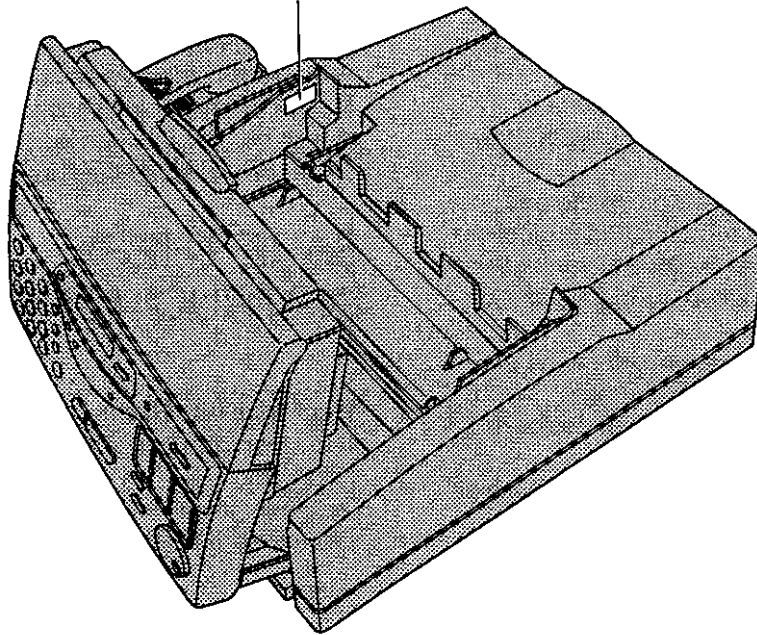
CAUTION:

- 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

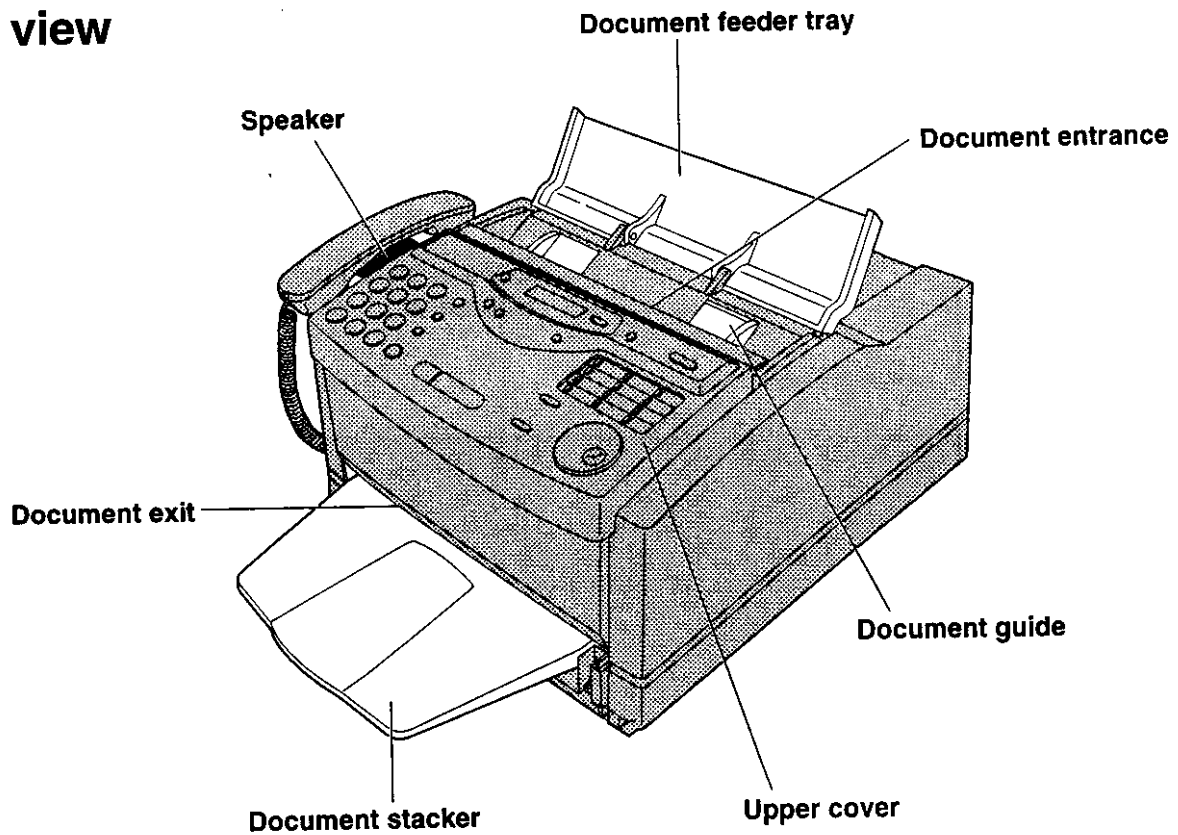
- Keep the unit away from electrical noise generating devices, such as fluorescent lamps and motors.
- The unit should be kept free from dust, high temperature and vibration.
- The unit should not be exposed to direct sunlight.
- Do not place heavy objects on top of this unit.
- Do not touch the plug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

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

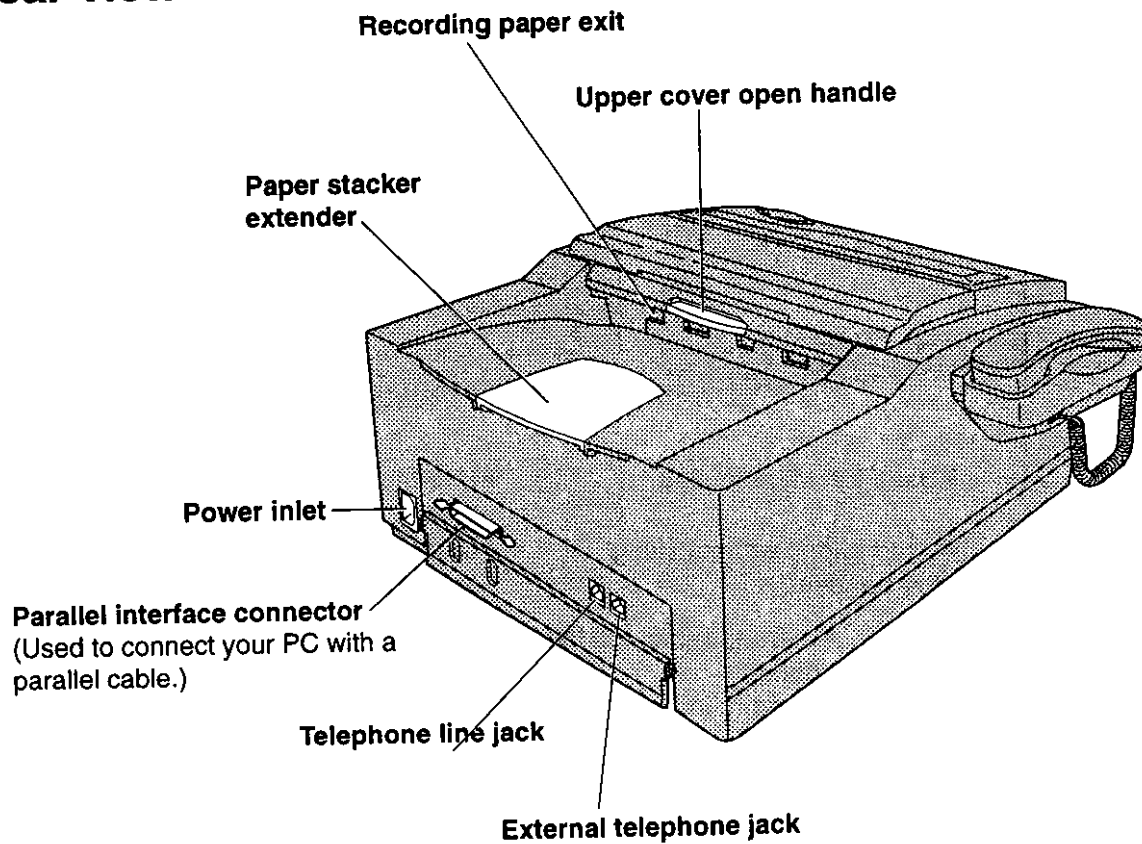


Overview

Front view

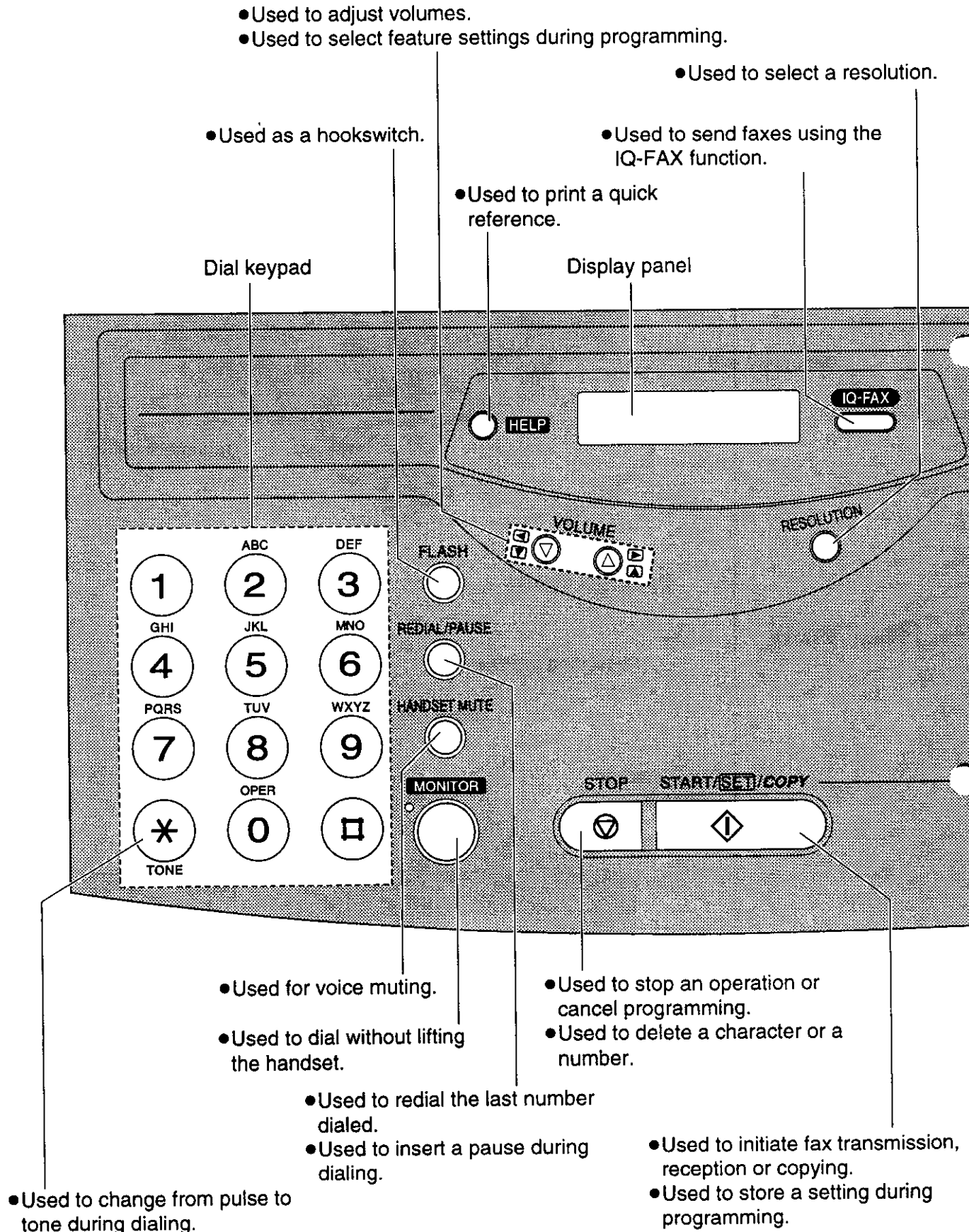


Rear view



Finding the Controls

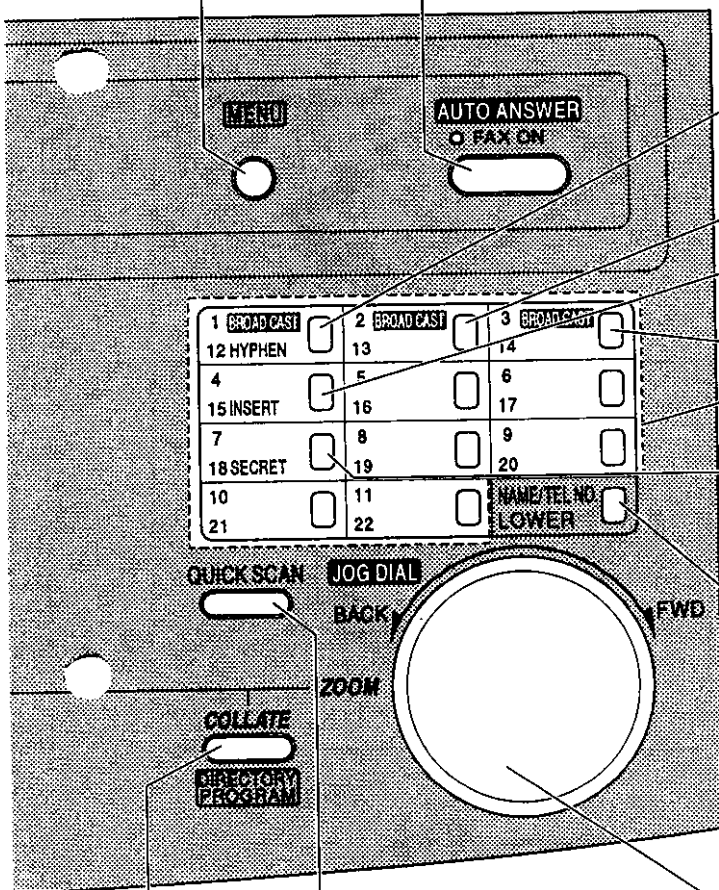
Location



Finding the Controls

- Used to turn on/off the auto answer mode.

- Used to initiate or exit programming.



- Used for transmission to multiple stations.
- Used to insert a hyphen.
- Used for transmission to multiple stations.
- Used to insert one character or one space.
- Used for transmission to multiple stations.
- Used for the One-Touch Dial.
- Used as command keys.
- Used to keep the telephone number secret.

- Used to confirm a stored telephone number.
- Used to select stations 12–22 for the One-Touch Dial.

- Used to send documents after storing in memory.

- Used to store or edit names and telephone numbers.
- In the copy mode, used to choose "Collated" or "Uncollated".

- Used to search for a stored name.
- Used to select characters during programming.
- Used to select the basic features during programming.
- In the copy mode, used to select an enlargement/reduction rate.

Toner cartridge and drum unit

Caution:

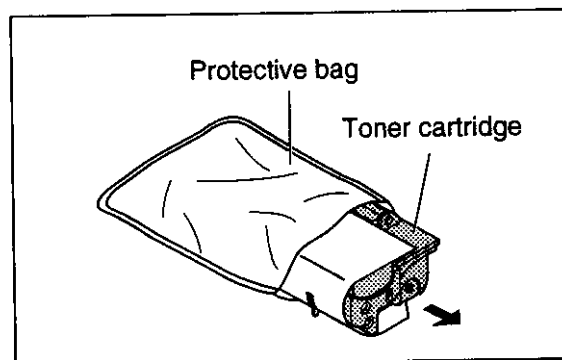
- If ingestion of toner occurs, drink several glasses of water to dilute stomach contents, and seek immediate medical treatment. If eye contact with toner occurs, flush thoroughly with water, and seek medical treatment. If skin contact with toner occurs, wash thoroughly with soap and water.

- 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;

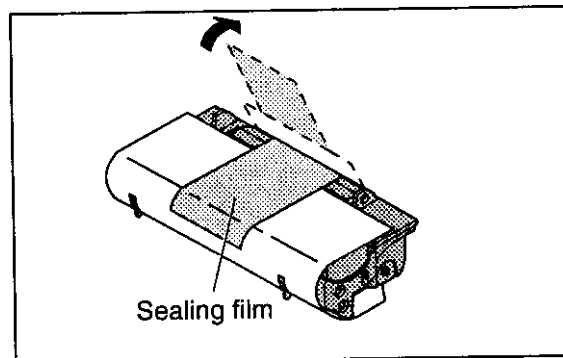
- Do not expose the drum unit to light for more than 5 minutes.
- Do not touch the green drum surface.
- Do not keep the drum unit near dust or dirt.
- Do not place the drum unit in a high humidity area.
- Do not expose the drum unit to direct sunlight.

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

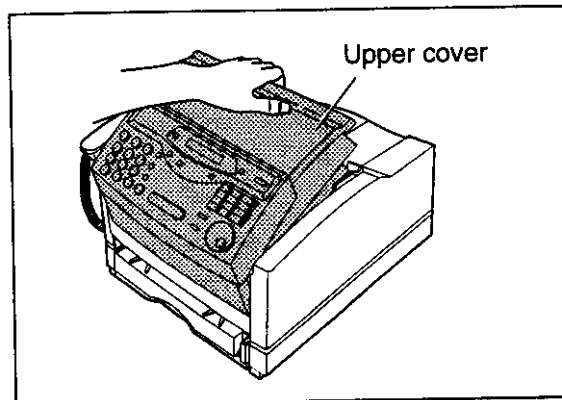


- 2** Remove the sealing film from the toner cartridge.

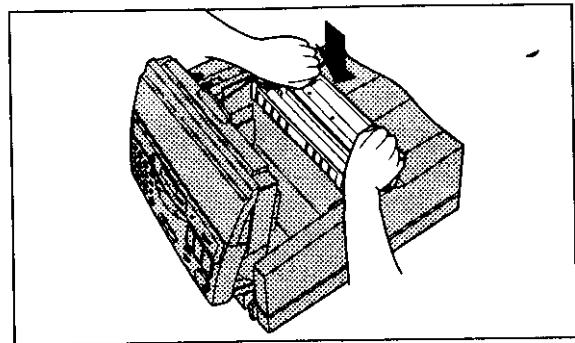
- Be careful not to make the surrounding area dirty when handling the sealing film, because it may contain toner residue.



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

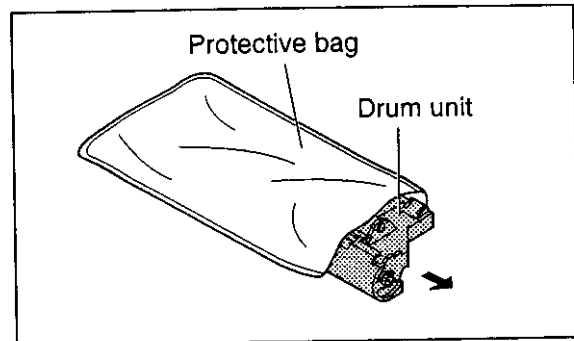


- 4** Install the toner cartridge by holding the two tabs.



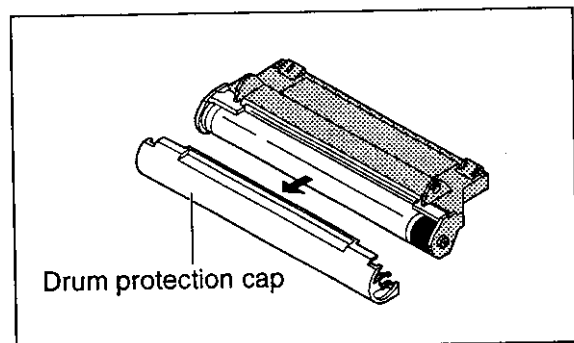
- 5** Open the protective bag by cutting the end of the bag and remove the drum unit.

- 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.

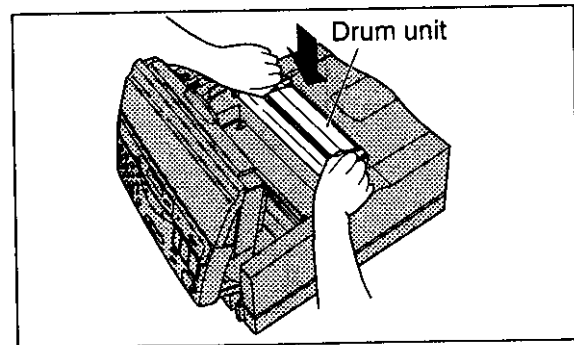


- 6** Remove the drum protection cap.

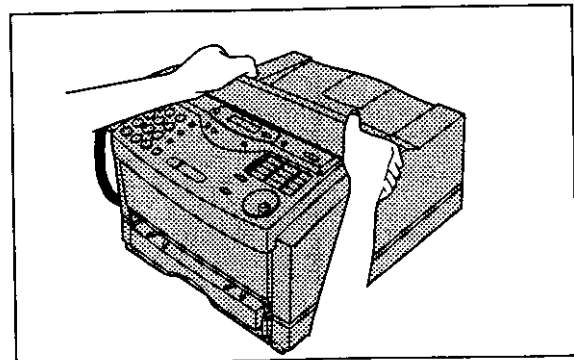
- Do not touch the green drum surface under the protection cap as it may damage the drum unit.
- Place the protection cap in the storage bag and keep it in the event that the unit must be repacked and transported.



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



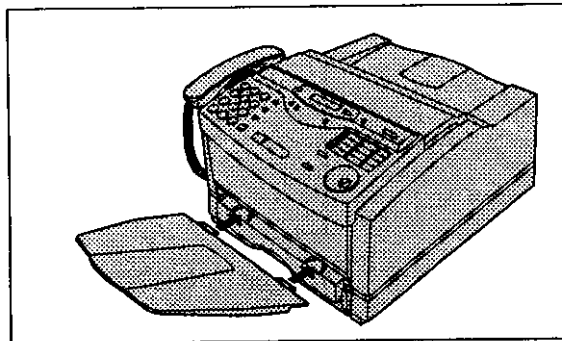
- 8** Close the upper cover securely by pushing down on both ends.



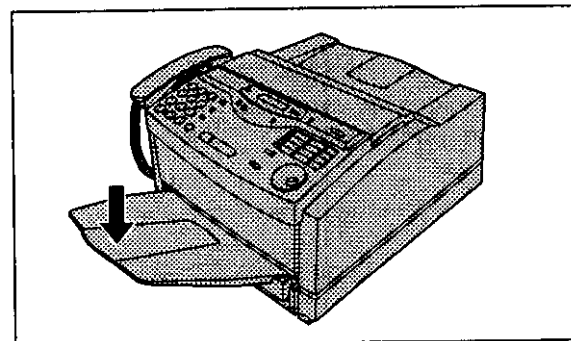
Setup

Document stacker

- 1** Insert two tabs of the document stacker into the slots on the unit.



- 2** Press the document stacker horizontally.



Paper

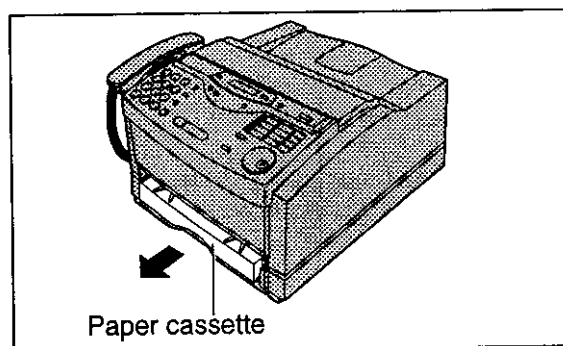
You can load letter or legal size paper in the paper cassette. The paper cassette can hold up to 150 sheets of 75 g/m² (20 lb.) paper. You may use 60 g/m² to 90 g/m² (16 lb. to 24 lb.) paper.

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.

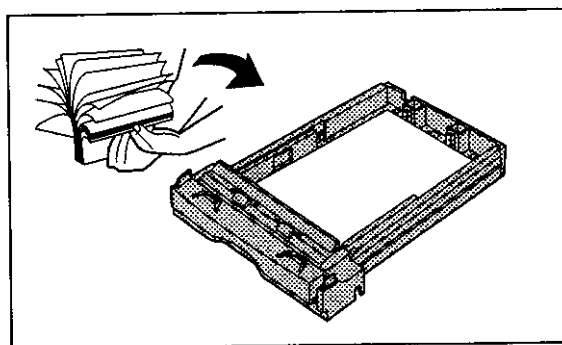
Loading Letter size paper in the paper cassette

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

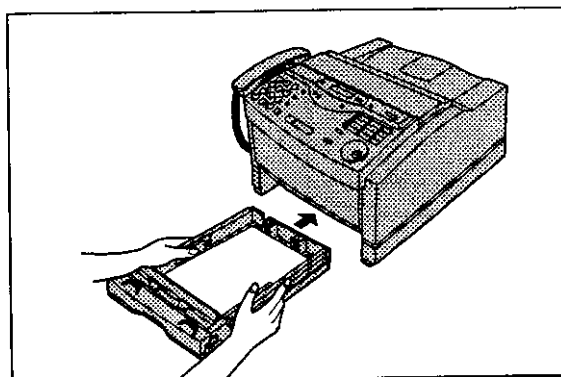


- 2** Fan the stack of paper to prevent a paper jam and insert the paper into the paper cassette.

- 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.



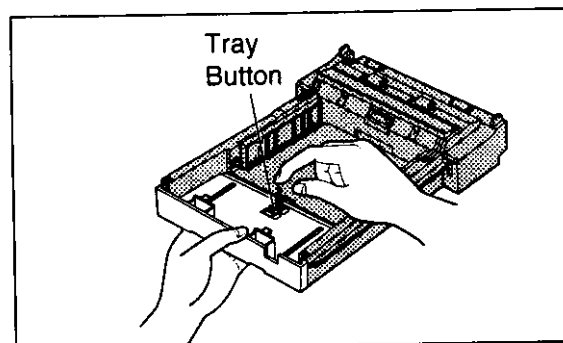
- 3** Insert the paper cassette into the unit until it clicks into place.



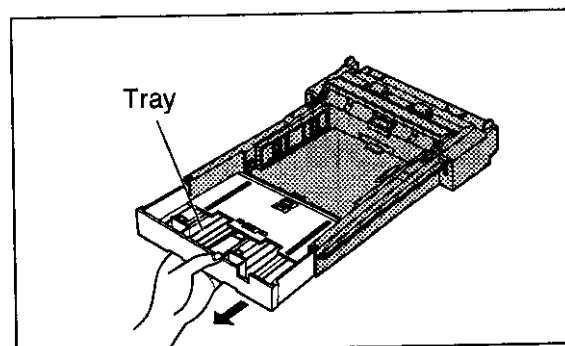
Setup

Using legal size paper

- 1** Press the button on the paper cassette to release the tray.

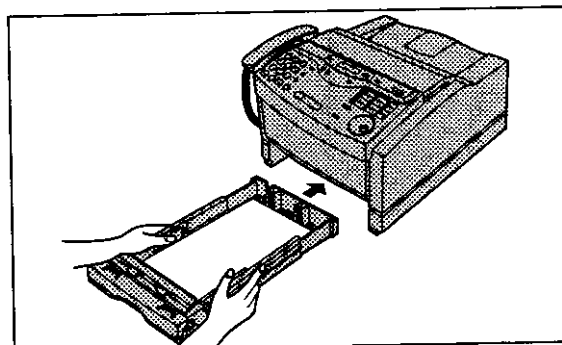


- 2** Slide the tray so that "LGL▶" on the tray aligns with "◀" on the cassette and lock into place.

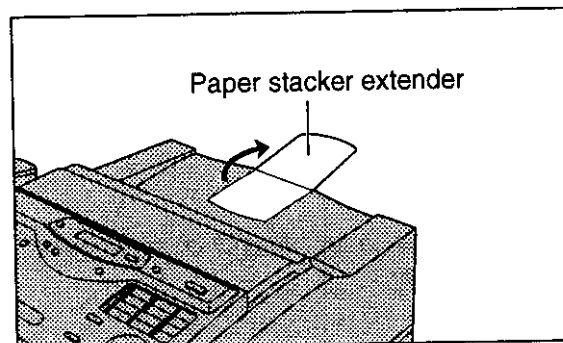


- 3** Insert the paper by aligning the paper edges with the paper level slot side on the paper cassette.

- 4** Insert the paper cassette into the unit using both hands until it clicks into place.

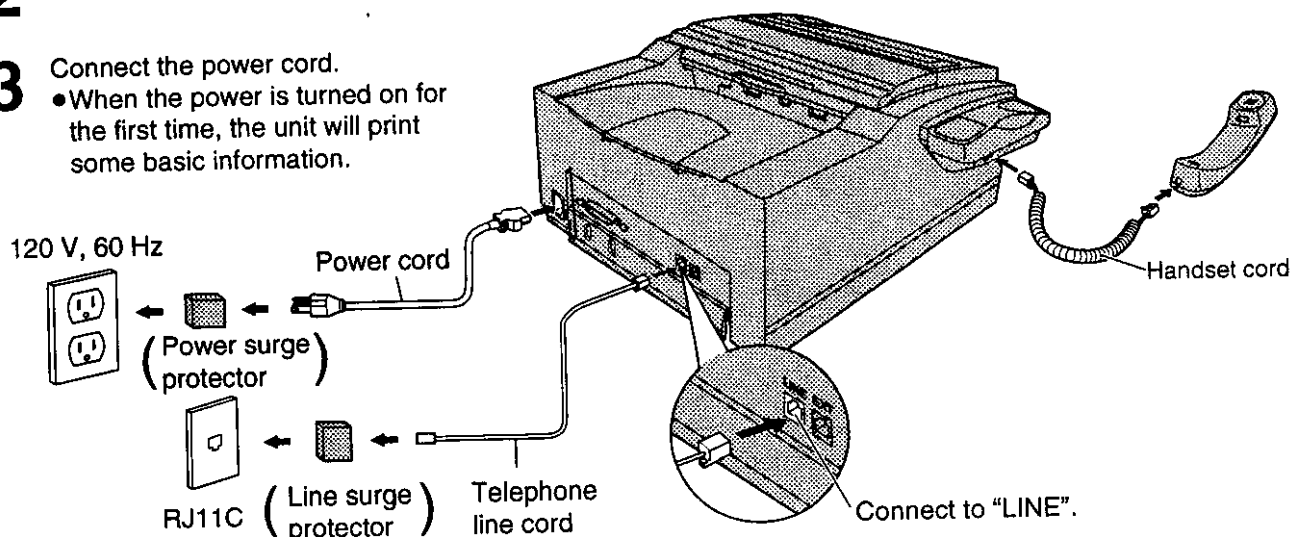


- 5** Open the paper stacker extender.



Connections

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

Wait until one of the following messages is displayed.

— If your line has touch tone service:

LINE IS TONE

— If your line has rotary pulse dial service:

LINE IS PULSE

- 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: INSERT TEL LINE ↔ NO TEL LINE

Connect the telephone line cord properly.

Setup

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**.

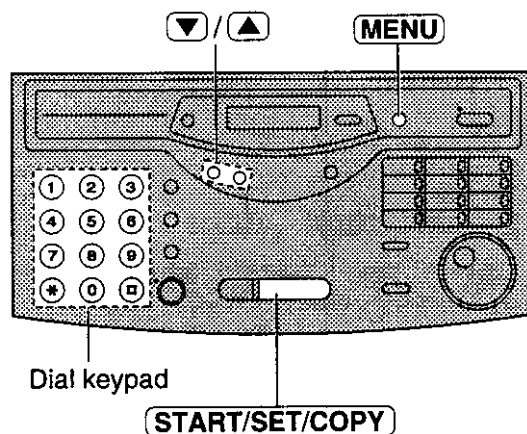
=LETTER ▼▲

4 Press ▼ or ▲ to select the size of paper you load.

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

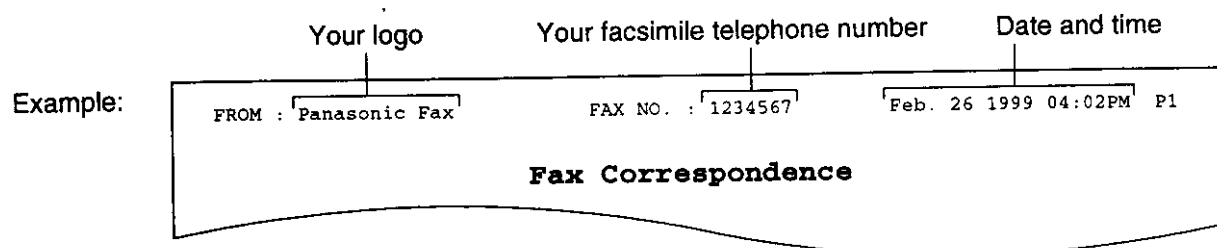
SETUP ITEM []

6 Press **MENU**.



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

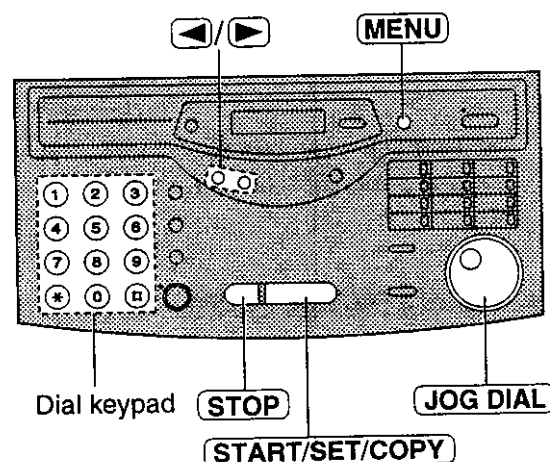
2. Press ***** until "PM" is displayed.

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.

Setup

Setting your logo

The logo can be your company, division or name.

1 Press **MENU**.

Display: 1.SYSTEM SET UP

2 Press **#**, then **0 2**.

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=Bill

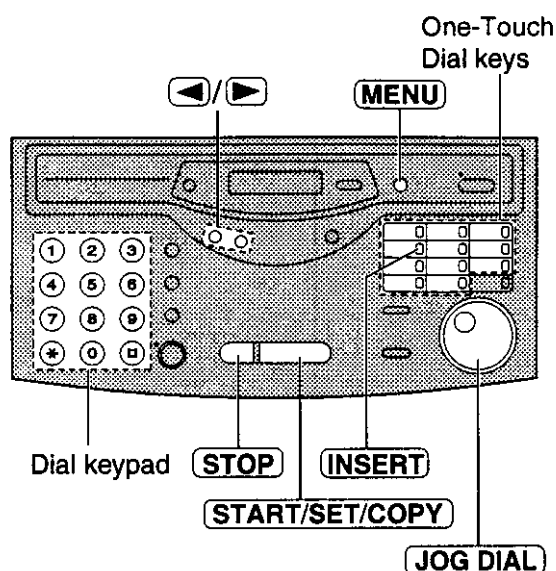
4. Press **▶** to move the cursor to the next space and press **5** six times.

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.

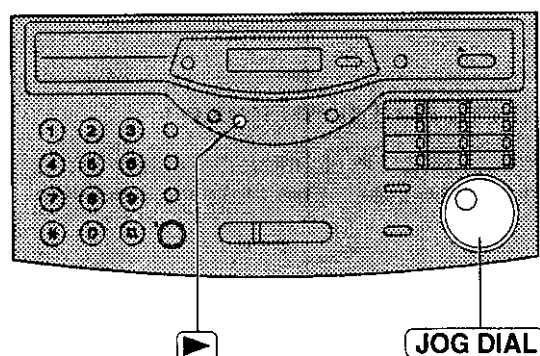
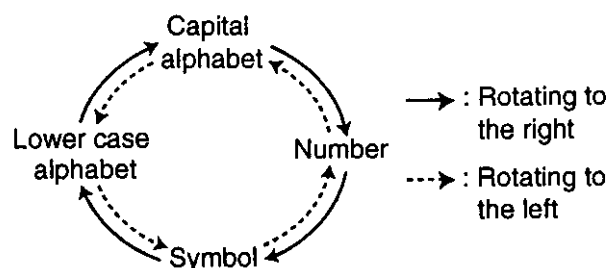
Keys	Characters
Dial keys	① 1 [] { } + - / = , . _ ' : ; ?
	② A B C a b c 2
	③ D E F d e f 3
	④ G H I g h i 4
	⑤ J K L j k l 5
	⑥ M N O m n o 6
	⑦ P Q R S p q r s 7
	⑧ T U V t u v 8
	⑨ W X Y Z w x y z 9
	⑩ 0 () < > ! " # \$ % & ¥ * @ ^ ' →
One-Touch Dial keys	HYPHEN key (Used to insert a hyphen.)
	INSERT 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.

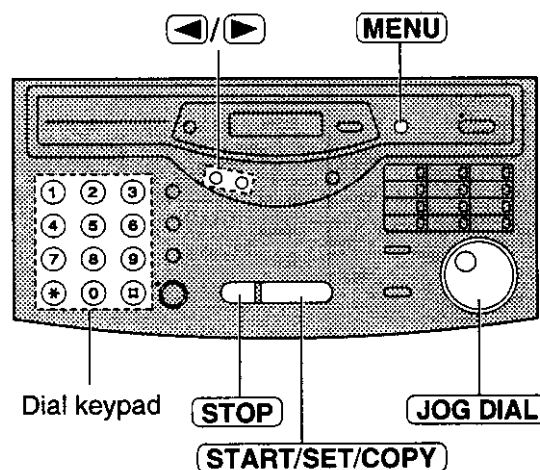
Display order of characters



Setup

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**.

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 ▲.

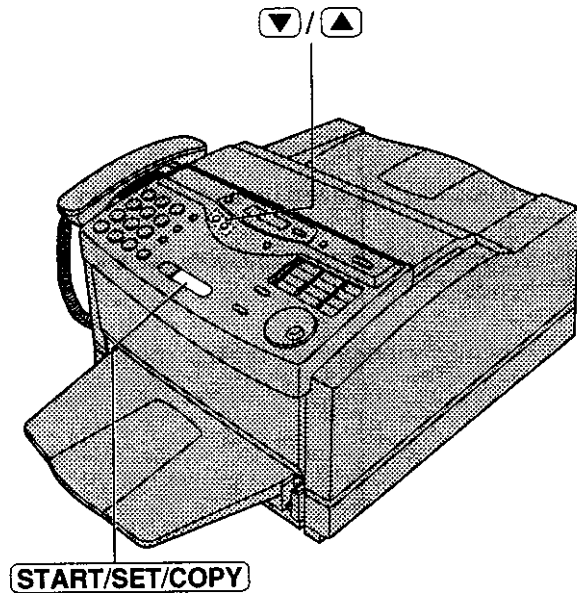
■ While the ringer volume is set to off:

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 ▲.

Monitor volume

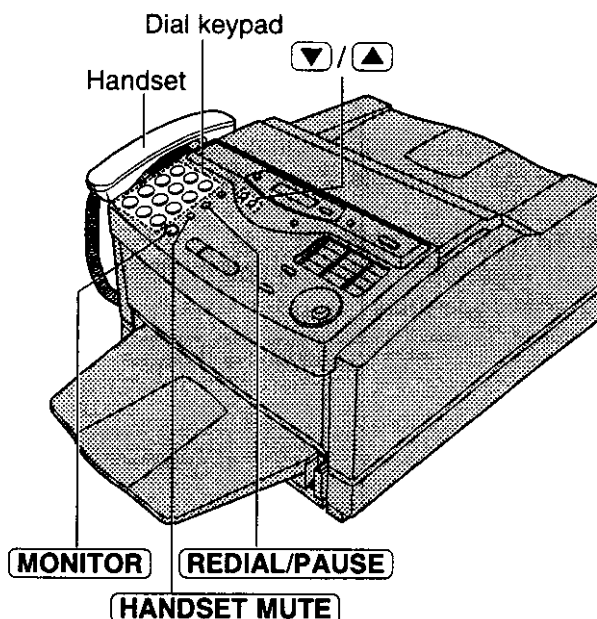
8 levels (high to low) are available.

While using the monitor, press ▼ or ▲.

Making and Answering Calls

Voice calls - making

- 1 Press **MONITOR** 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, speak with the handset.
- 4 When finished talking, replace the handset.



To redial the last number

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

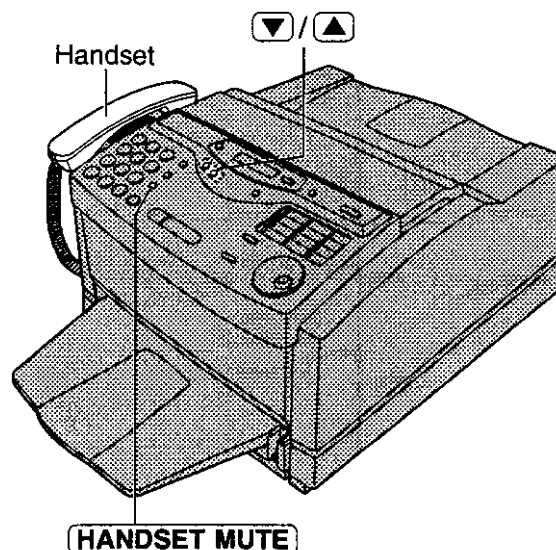
Display: <MUTE>

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

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

Voice calls - answering

- 1 When the unit rings, lift the handset.
- 2 When finished, hang up the handset.



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 **MONITOR** or lift the handset.

TEL=

- 6 Dial the fax number.

Example: TEL=5678901

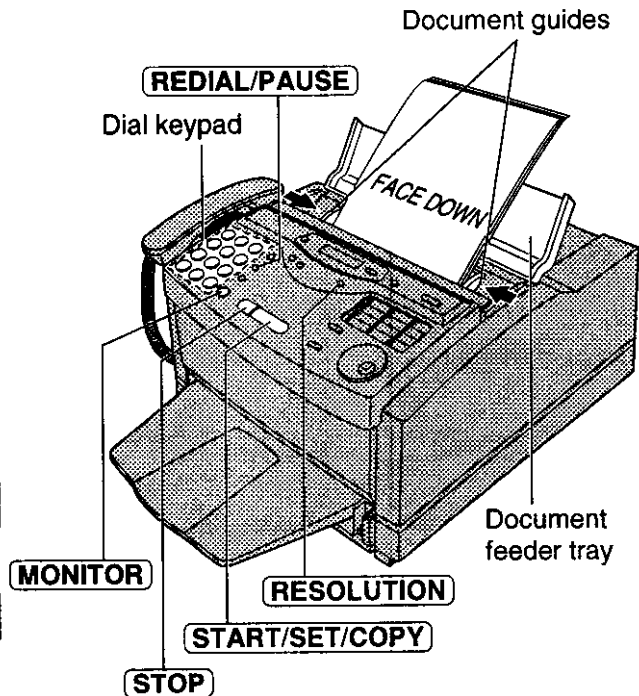
- 7 **When a fax tone is heard:**
Press **START/SET/COPY**, and replace the handset if using it.

OR

When the other party answers your call:

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

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

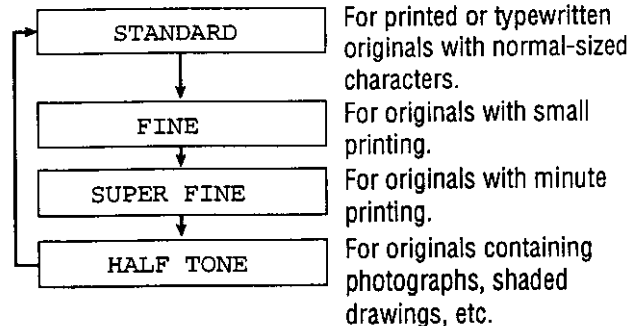
To stop transmission

Press **STOP**.

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

To select the resolution

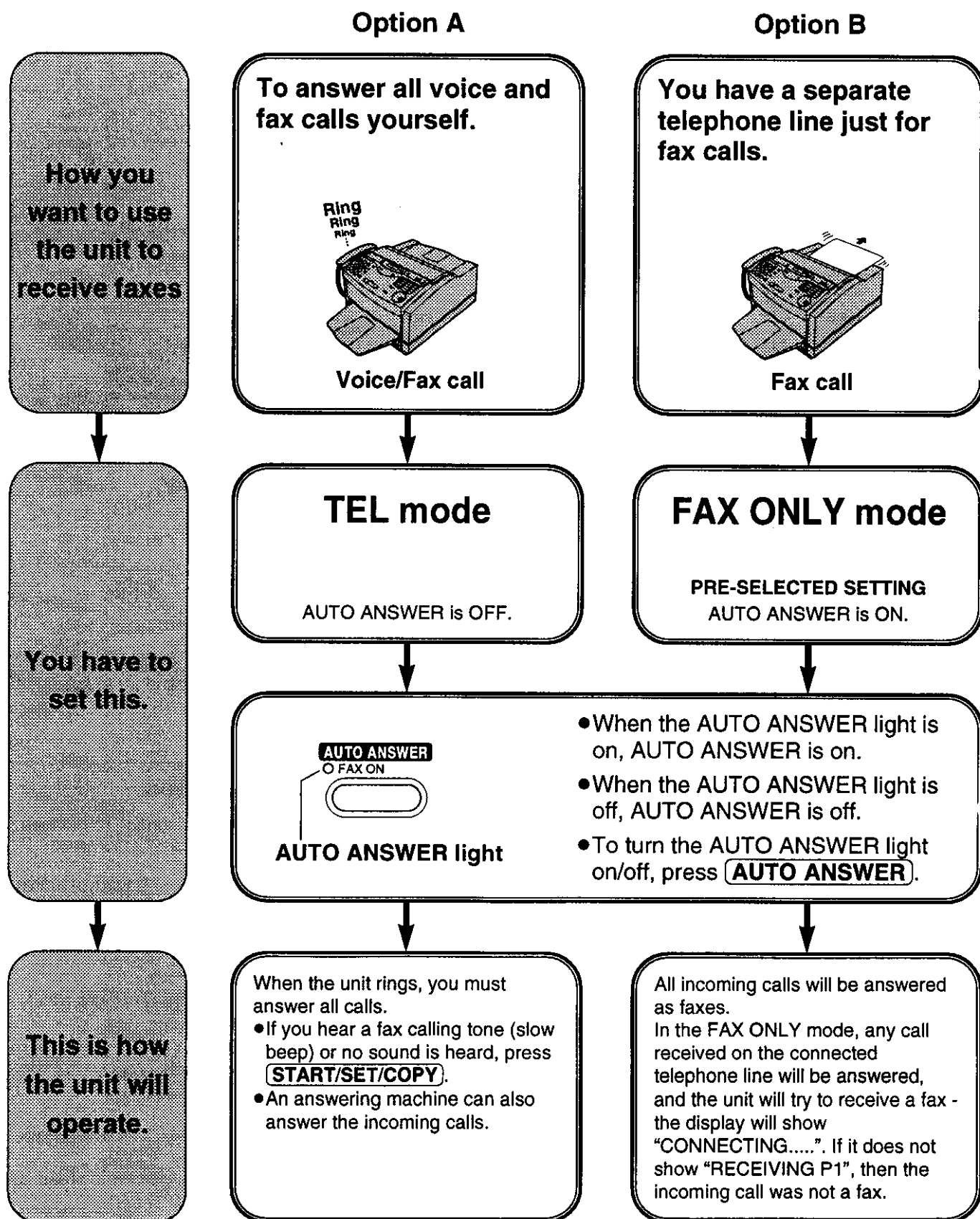
Select the desired resolution according to the type of document.



- 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.

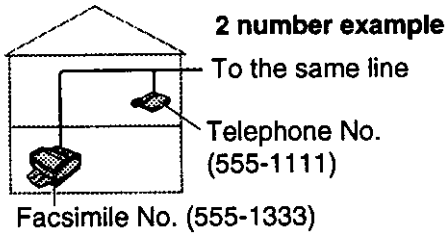
Receiving Faxes

Setting the unit to receive calls



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).



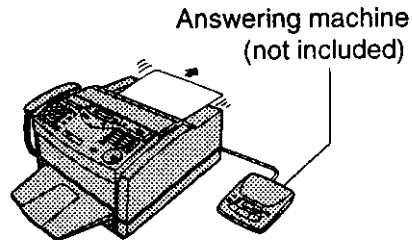
To activate the Distinctive Ring mode, select the same ring pattern assigned to the facsimile number in feature #31.

- 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.

Option D

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



Voice/Fax call

1. Connect an answering machine to the EXT jack.
2. Set the number of rings on the answering machine to less than 4.
3. Record a greeting message on the answering machine.
4. Turn on the answering machine.
5. Program the remote activation ID into your fax machine.

Use with TEL mode or FAX ONLY mode.

If you use with FAX ONLY mode, set the FAX ONLY mode ring count to "5 EXT.TAM".

When receiving voice calls:

The answering machine will record voice messages.

When receiving fax calls:

The fax machine unit will receive documents.

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.

Receiving Faxes

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, lift the handset to answer the call.

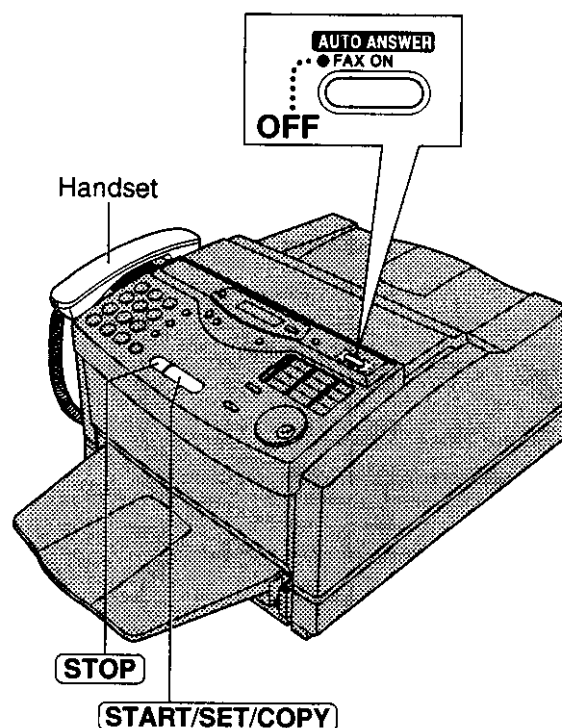
2 When:
— document reception is required,
— a fax calling tone (slow beep) is heard, or
— no sound is heard,
press **START/SET/COPY**.

CONNECTING.....

3 Replace the handset.
•The unit will start reception.

Note:

- If you do not answer the call within 15 rings, the unit will temporarily switch to the fax and the caller can send documents.



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.

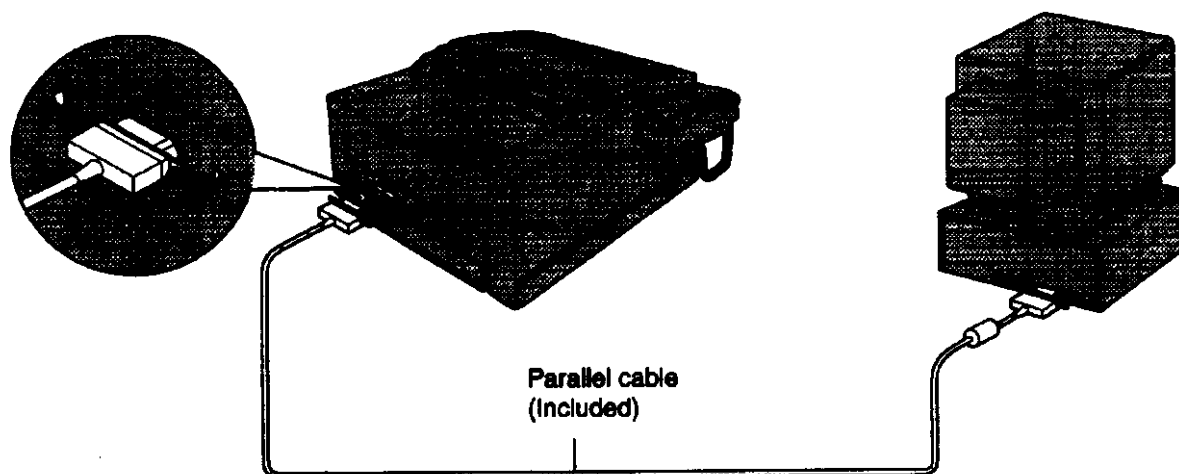
While documents are in memory, the unit will:

- display an error message and the following message alternately;

Display: FAX IN MEMORY

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

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.

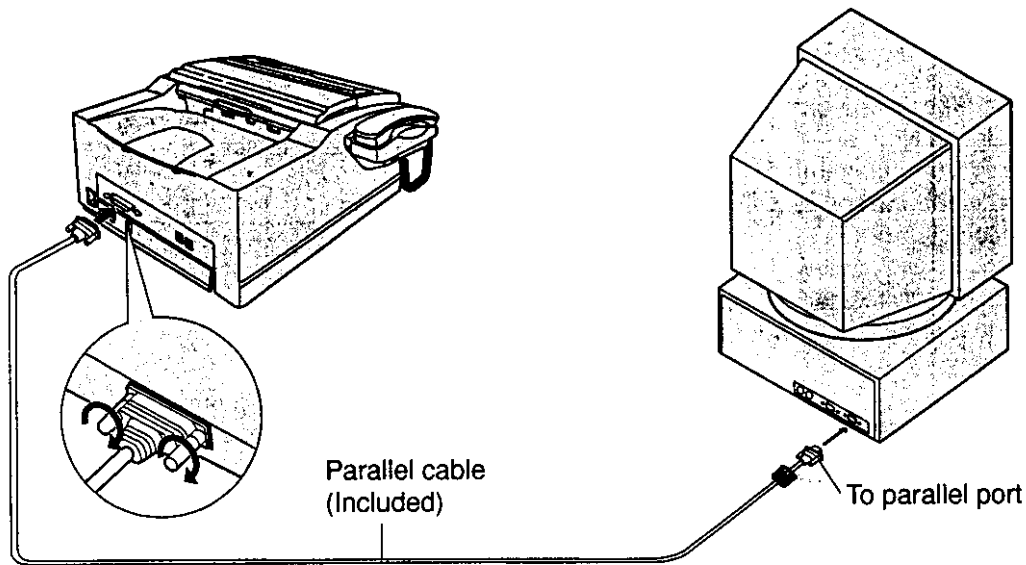
Installing the PANA LINK software

- 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 it is not displayed, follow the instructions 1) and 2).
 - 1) Click **Start** and select **Run...**
 - 2) Type "**d:\setup**" (depending on the drive letter of your CD-ROM drive), and then 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.

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

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Activating the PANA LINK software

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 - 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 bottom of the unit)
- Ringer Equivalence No.:
(found on the bottom 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

CALIFORNIA 6550 Katella Avenue Cypress, CA 90630 800 Dubuque Avenue S. San Francisco, CA 94080 20201 Sherman Way Suite 102 Canoga Park, CA 91306 3878 Ruffin Road Suite A San Diego, CA 92123 COLORADO 1640 South Abilene Street Suite D Aurora, CO 80012 FLORIDA 3700 North 29 th Avenue Suite 102 Hollywood, FL 33020	GEORGIA 8655 Roswell Road Suite 100 Atlanta, GA 30350 ILLINOIS 9060 Golf Road Niles, IL 60714 1703 North Randall Road Elgin, IL 60123 (Pick-up / Drop-off only) MARYLAND 62 Mountain Road Glen Burnie, MD 21061 MASSACHUSETTS 60 Glacier Drive Suite G Westwood, MA 02090	MICHIGAN 37048 Van Dyke Avenue Sterling Heights, MI 48312 MINNESOTA 7850-12 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 Chartiers Valley Shopping Center 1025 Washington Pike Bridgeville, PA 15017	TENNESSEE 3800 Ezell Road Suite 806 Nashville, TN 37211 TEXAS 7482 Harwin Drive Houston, TX 77036 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

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)

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.

Specifications

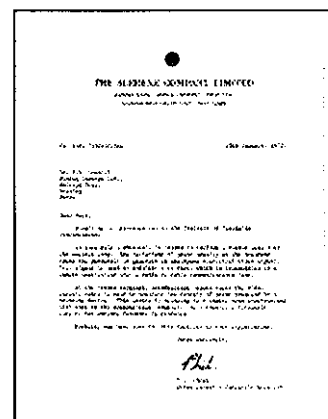
Technical data about this product

Applicable Lines:	Public Switched Telephone Network
Document Size:	Max. 216 mm (8½") in width Max. 600 mm (23½") in length
Effective Scanning Width:	208 mm (8¼")
Recording Paper Size:	Letter: 216 mm × 279 mm (8½" × 11") A4: 210 mm × 297 mm Legal: 216 mm × 356 mm (8½" × 14")
Effective Printing Width:	202 mm (7⅞")
Transmission Time*:	Approx. 9 s/page (Original mode) Approx. 15 s/page (Original mode) Approx. 30 s/page (G3 Normal 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:	CCD image sensor
Printer Type:	Laser beam printing
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:	5 °C – 35 °C (41 °F – 95 °F), 20 % – 80 % RH (Relative Humidity)
Dimensions (H×W×D):	212 mm × 422 mm × 430 mm (8⅞" × 16⅝" × 16⅞")
Mass (Weight):	Approx. 12 kg (26.5 lb.)
Laser diode properties:	Laser output: 5mW max Wave length: 760~800 nm Emission duration: Continuous
Power Supply:	120 V AC, 60 Hz (This unit will not function at 50 Hz.)
Memory Capacity:	Approx. 28 pages of memory reception Approx. 25 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 9 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.