

EXHIBIT F

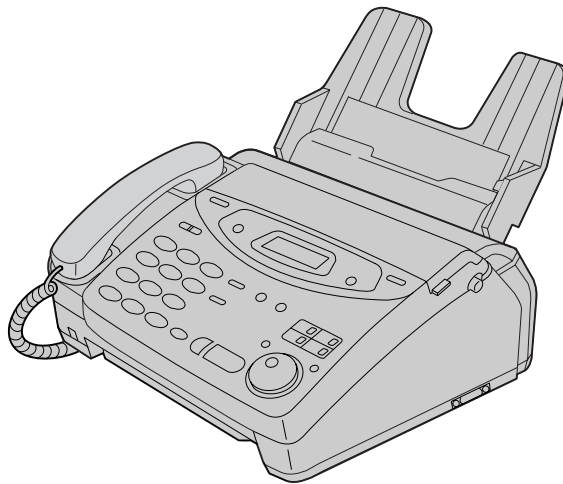
Panasonic

Compact Plain Paper FAX

Model No.

KX-FM106

OPERATING INSTRUCTIONS



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

Thank you for purchasing a Panasonic facsimile.

Welcome to the world of Panasonic facsimiles.

This product combines facsimile, telephone, 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 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 12 to 15.
- Note that the images of copied or received documents will remain on the used film. Use discretion when disposing of the used film cartridge.
- Do not rub or use an eraser on the printed side, as the print may smear.

Trademarks

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

Windows® is a registered trademark of Microsoft Corporation in the United States and/or other countries. All other trademarks identified herein are the property of their respective owners.

Copyright:

This manual is copyrighted by Kyushu Matsushita Electric Co., Ltd. (KME) and its licensee. Under the copyright laws, this manual may not be reproduced in any form, in whole or part, without the prior written consent of KME and its licensee.

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 if any of the following occur:
 - A. If 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.

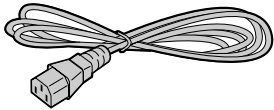
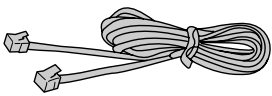
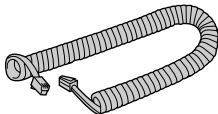
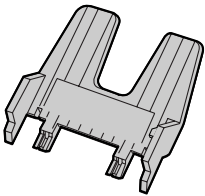
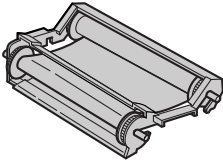
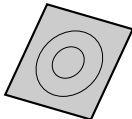
WARNING:

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

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.

Included accessories

Power cord1	Telephone line cord ..1	Handset1	Handset cord1
			
Part No. PFJA1030Z	Part No. PQJA10075Z	Part No. PFJXE0805Z	Part No. PFJA1029Z
Paper tray1	Film cartridge1 (with free starter film)	Panasonic Multi-Function Center Software (CD-ROM)1	RS232C cable1
	 —The film cartridge is pre-installed.		
Part No. PFKS1030Z1			

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

Accessory order information

The free starter film cartridge is only 20 meters (65') long. We recommend that you buy regular film cartridge [100 m (328')] for continuous use of your unit. For best results, use genuine Panasonic film cartridge Model No. KX-FA65. To stack printed paper, use a paper stacker Model No. PFZAFP101M (p. 6, 7). To order, call toll-free 1-800-332-5368 or see the fax order instructions below.

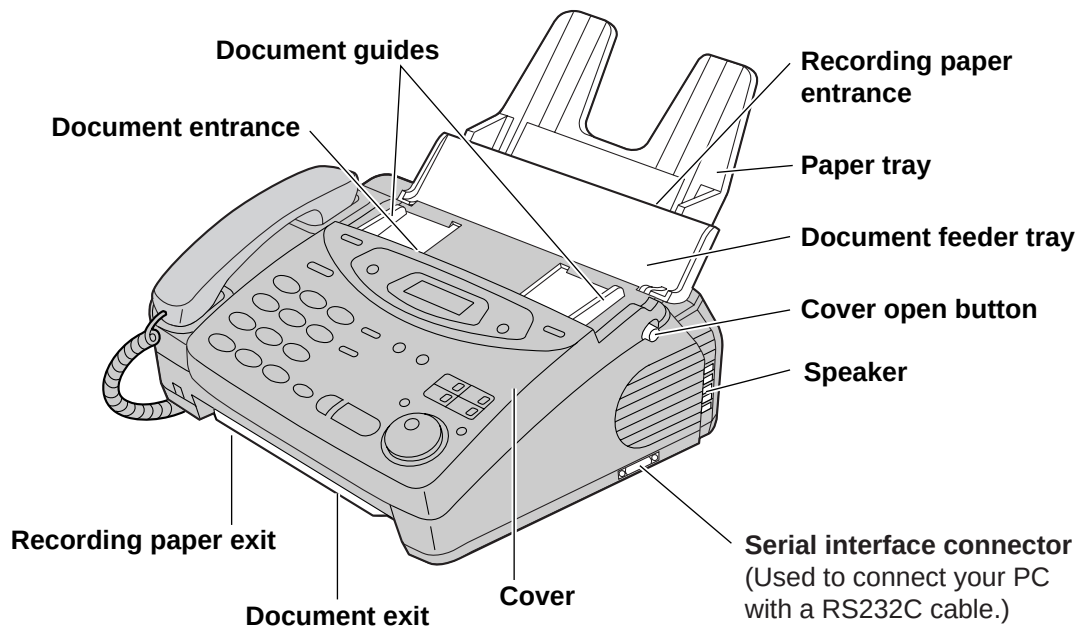
Fax order: Please send a fax to 1-800-237-9080. Include: your name, shipping address, telephone number, credit card type, number, expiry date and your signature, order part number and quantity, and delivery method – overnight, 2nd day, or ground.

Model No.	Description	Specifications
KX-FA65	Film cartridge	216 mm × 100 m (8½" × 328') roll
PFZAFP101M	Paper stacker	To stack printed paper.
KX-FA180	RS232C cable	DB9 Female/DB25 Male (Includes adaptor.)

Note:

- The film cartridge is not reusable. Do not rewind and use the film again.

Overview

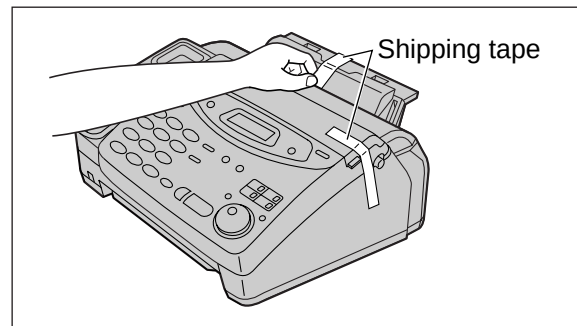


Note:

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

Before installation

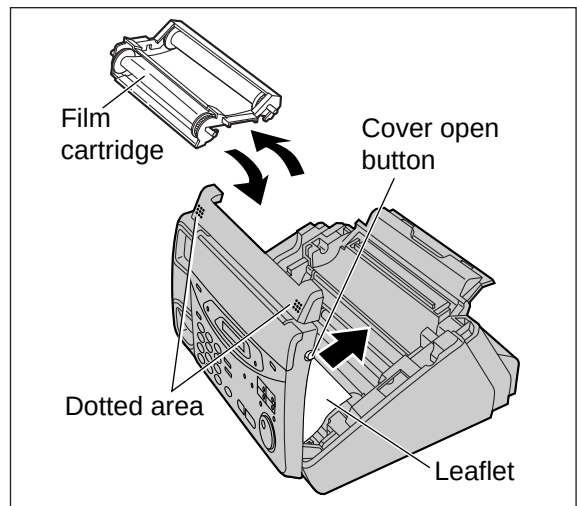
- 1 Remove the shipping tape.



- 2 Open the cover by pressing the cover open button.

- 3 Lift the film cartridge, remove the leaflet and replace the film cartridge.

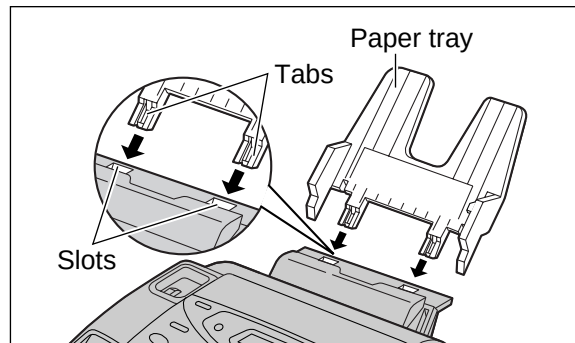
- 4 Close the cover securely by pushing down on the dotted area at both ends.



Paper tray

Insert the two tabs on the paper tray into the slots on the back of the unit.

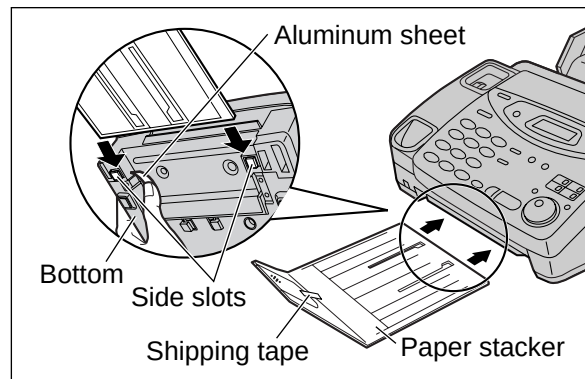
- Do not place the unit in areas where the paper tray may be obstructed by a wall, etc.



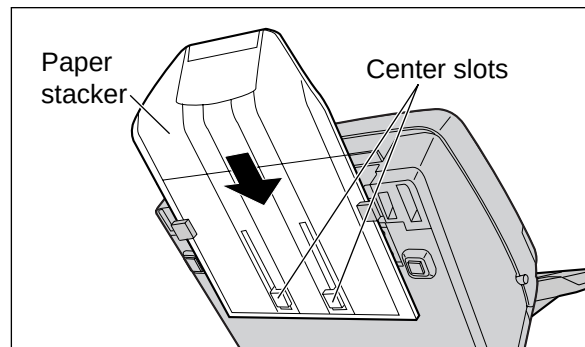
Paper stacker (not included)

To stack printed paper, a paper stacker is available as an accessory. To order, see page 4.

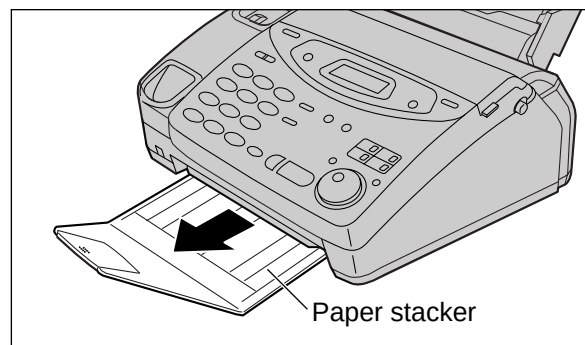
- 1 Remove the shipping tape from the paper stacker.
- 2 Lift the front of the unit and hold the aluminum sheet up to prevent it being bent by the paper stacker while inserting the paper stacker into the side slots.



- 3 Confirm that the paper stacker is locked into the center slots and slide back.

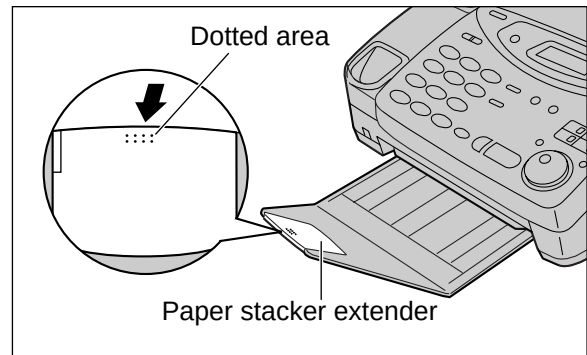


- 4 Slide the paper stacker forward until it stops.

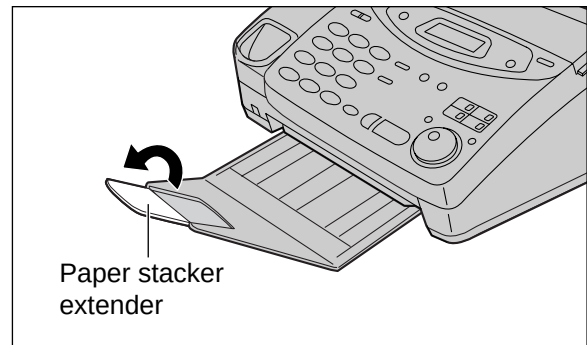


Using legal size paper

- 1 Press the dotted area on the paper stacker extender.



- 2 Open the paper stacker extender.

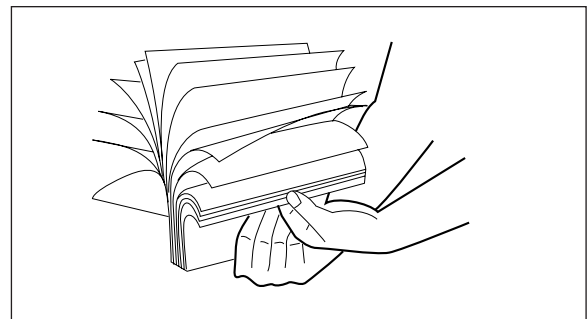


Recording paper

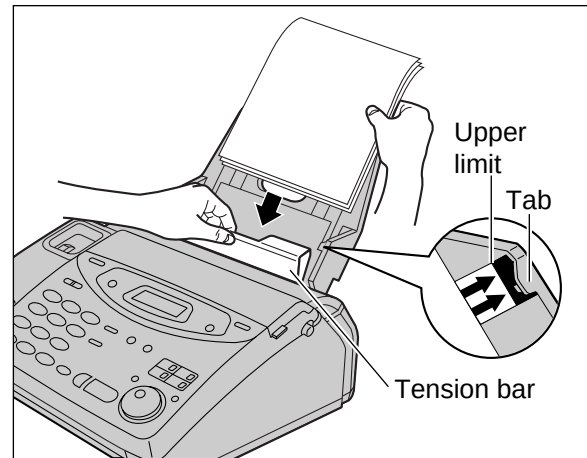
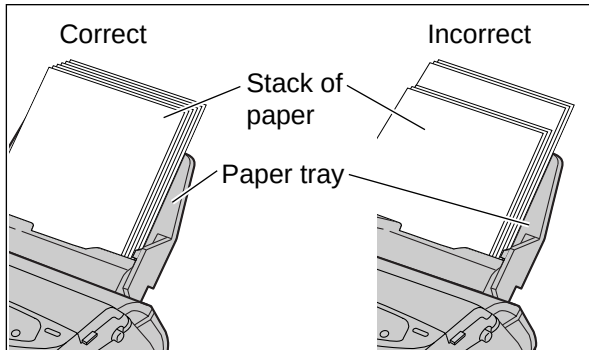
Letter or legal size recording paper can be loaded. The paper tray can hold up to 150 sheets of 75 g/m² (20 lb.) paper. You may use 60 g/m² to 90 g/m² (16 lb. to 24 lb.) paper.

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

- 1 Fan the stack of paper to prevent a paper jam.



- 2** Pull the tension bar forward and hold open while inserting the paper.
- The height of the stack of the paper should not exceed the upper limit on the paper tray, otherwise the paper may jam or multi-feed.
 - The paper should not be over the tab.
 - If the paper is not inserted correctly, readjust the paper or the paper may jam.

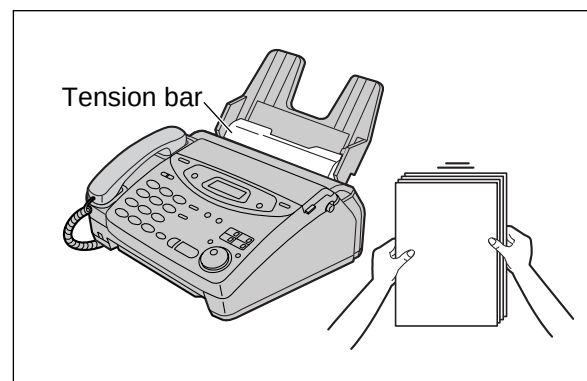


Note:

- Avoid paper with a cotton and/or fiber content that is over 20%, such as letterhead paper or paper used for resumes.
- Do not use different types or thicknesses of paper in the paper tray 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 the paper may jam.
- Do not reinsert the ejected paper into the recording paper exit.
- Some paper only accepts print on one side. Try using the other side of paper when you are not happy with the print quality.

Adding paper to the paper tray

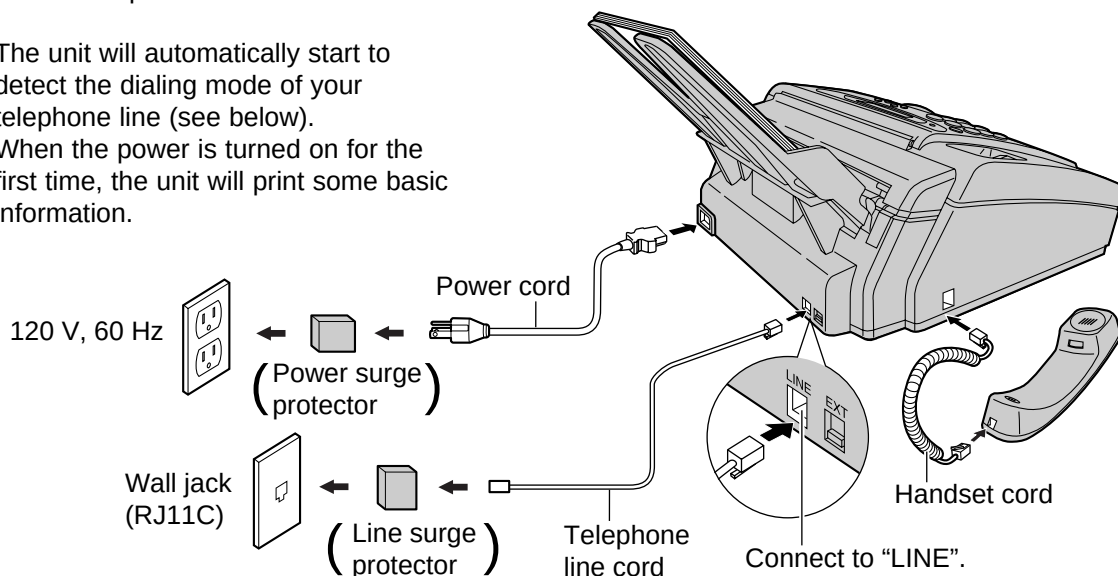
1. Pull the tension bar forward and hold open while removing all of the installed paper.
2. Add paper to the removed paper and straighten.
3. Fan the stack of paper.
4. Pull the tension bar forward and hold open while inserting the paper.



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:

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

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 of your telephone line.

Display: CHECKING LINE

Wait until one of the following messages is displayed.

LINE IS TONE

Your line has touch tone service.

LINE IS PULSE

Your line has rotary pulse dial service.

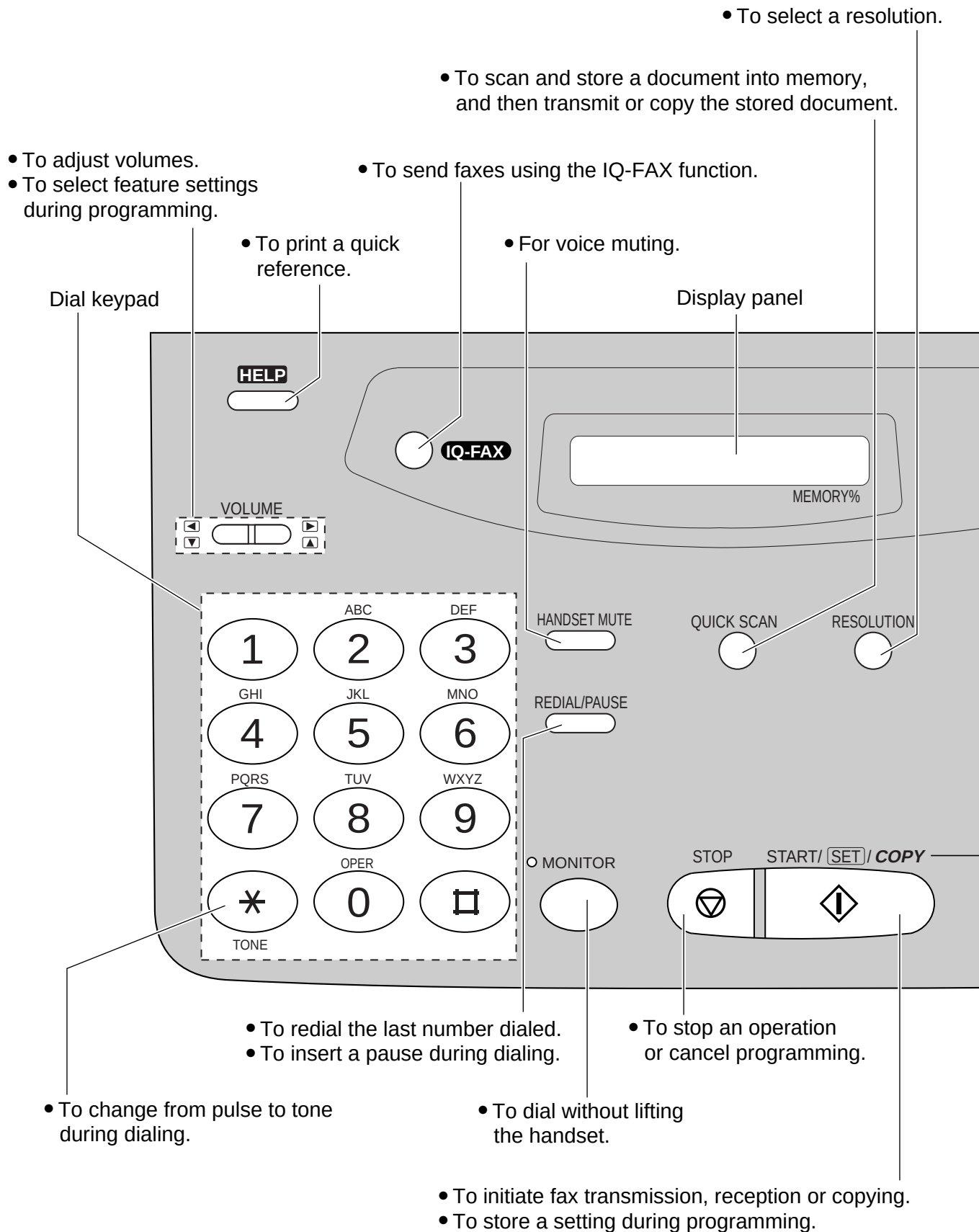
- If the power cord is disconnected or a power failure occurs, the unit will detect the dialing mode again when power is restored.
- If you connect the power cord before connecting the telephone line cord, the following messages will be shown alternately.

NO TEL LINE

INSERT TEL LINE

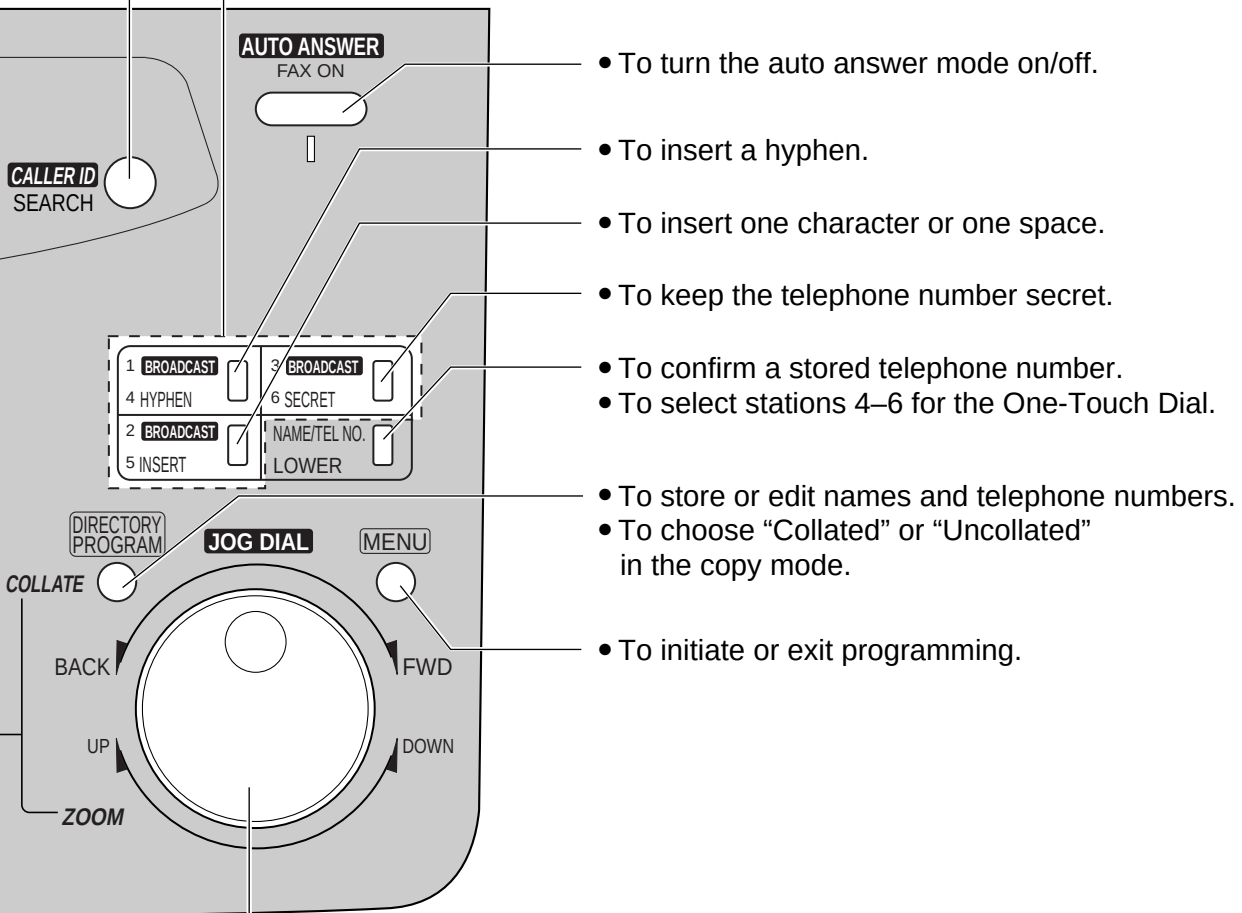
Connect the telephone line cord.

Location



- For the Caller ID service.

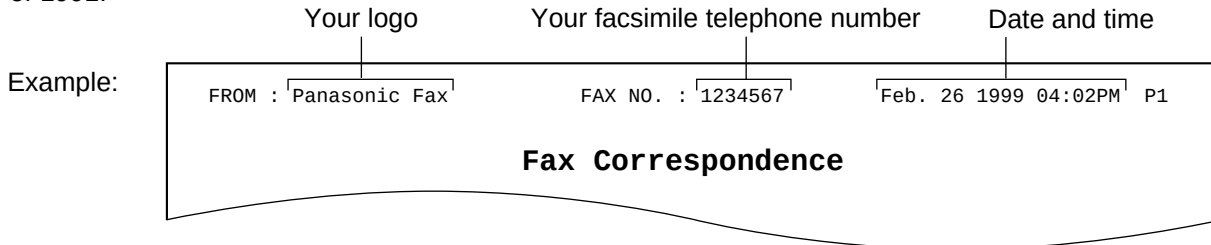
- For transmission to multiple stations.
- For the One-Touch Dial.
- Command keys.



- 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.

Date and time, your logo and facsimile telephone number

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



Setting the date and time

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

2 Press **#**, then **0 1**.
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.

Example: Aug. 10, 1999

Press **0 8 1 0 9 9**.

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.

Press **#** to select "AM" or "PM".

Example: 3:15PM

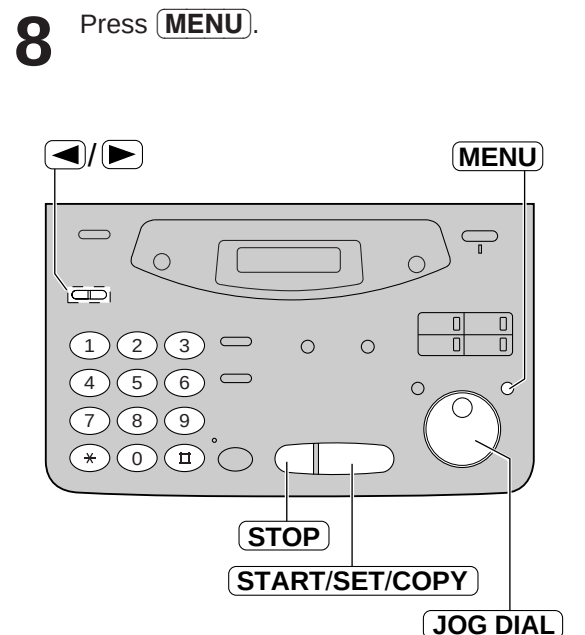
1. Press **0 3 1 5**.

TIME: 03:15AM

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

TIME: 03:15PM

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



Note:

- You can enter the number by rotating **JOG DIAL** in steps 4 and 6. In this case, press **▶** to move the cursor.
- The accuracy of the clock is approximately ± 60 seconds a month.

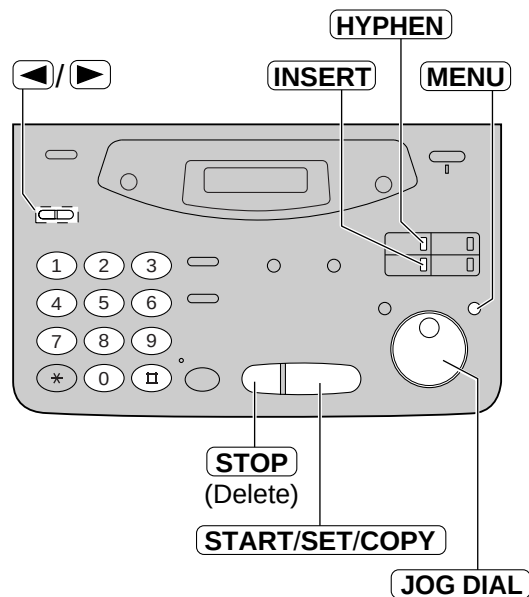
To correct a mistake

- Press **◀** or **▶** to move the cursor to the incorrect number, 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 **0** **2**.
YOUR LOGO
- 3 Press **START/SET/COPY**.
LOGO=
- 4 Enter your logo, up to 30 characters, by using the dial keypad. See next page for details.
Example: 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**.



Note:

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

To correct a mistake

- Press **◀** or **▶** to move the cursor to the incorrect character, 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 2) to insert a space and enter the character.

To select characters with the dial keypad

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

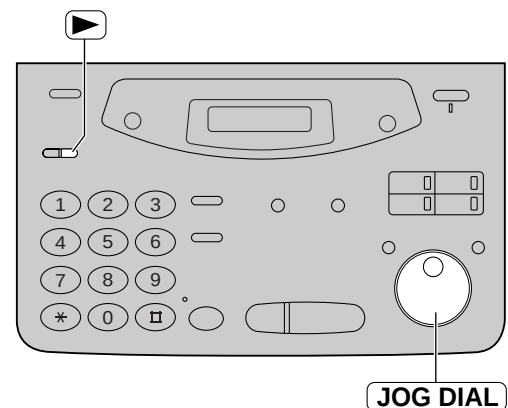
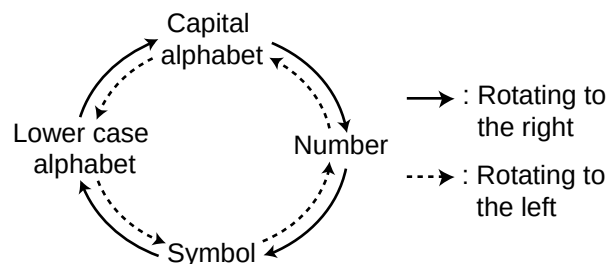
Keys	Characters
①	1 [] { } + - / = , . _ ` : ; ?
②	A B C a b c 2
③	D E F d e f 3
④	G H I g h i 4
⑤	J K L j k l 5
⑥	M N O m n o 6
⑦	P Q R S p q r s 7
⑧	T U V t u v 8
⑨	W X Y Z w x y z 9
⑩	0 () < > ! " # \$ % & ¥ * @ ^ ' →
	HYPHEN key (To insert a hyphen.)
	INSERT key (To insert one character or one space.)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

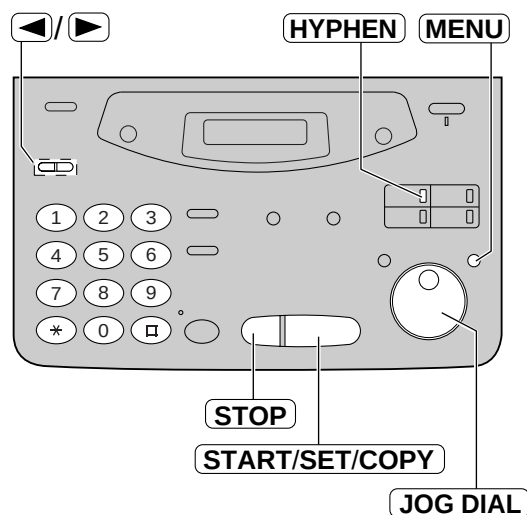
1. Rotate **JOG DIAL** until the desired character is displayed.
2. Press  to move the cursor to the next space.
•The character displayed in step 1 is inserted.
3. Return to step 1 to enter the next character.

Display order of characters



Setting your facsimile telephone number

- 1** Press **MENU**.
Display: 1.SYSTEM SET UP
- 2** Press **#**, then **0** **3**.
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**. If using **JOG DIAL**, press **▶** to move the cursor.
- The **#** button replaces the digit with a "+" and the **#** button replaces it with a space.
Example (using the dial keypad): +234 5678
Press ***234#5678**.
- To enter a hyphen in a telephone number, press **HYPHEN** (One-Touch Dial key 1).

To correct a mistake

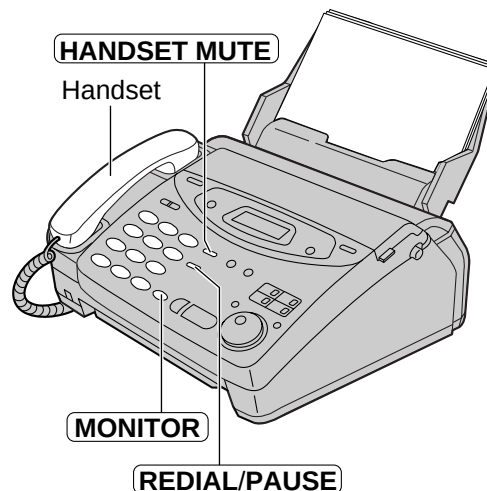
- Press **◀** or **▶** to move the cursor to the incorrect number, then make the correction.

To delete a number

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

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 using the handset.

Display: <MUTE>

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

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 ▲.

Voice calls - answering

- 1** When the unit rings, lift the handset.
- 2** When finished talking, replace the handset.



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

Making a copy

The unit can make single or multiple copies (up to 99). Any transmittable document (p. 19) can be copied.

- 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

- Make sure the handset is on the cradle.

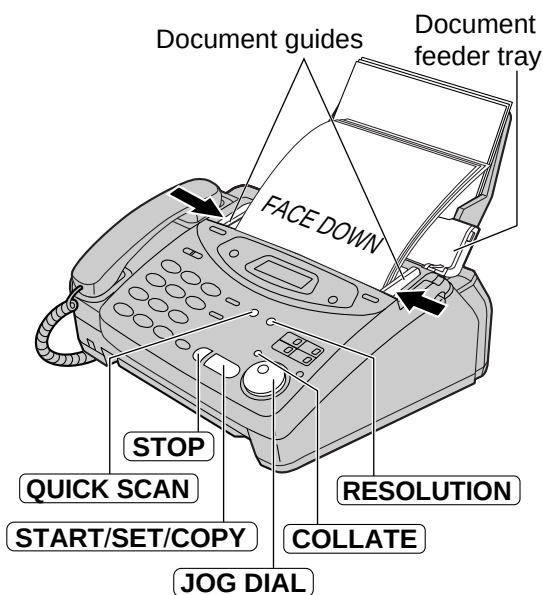
- 4 If necessary, press **RESOLUTION** repeatedly to select the desired setting (see below).

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

NUMBER=1 [100%]

- 6 Enter the number of copies (up to 99).

- 7 Press **START/SET/COPY**.
 - The unit will start printing.OR
Press **QUICK SCAN** if you want to remove the copy document for other uses.
 - The unit will feed the document and scan it into memory, then start printing.

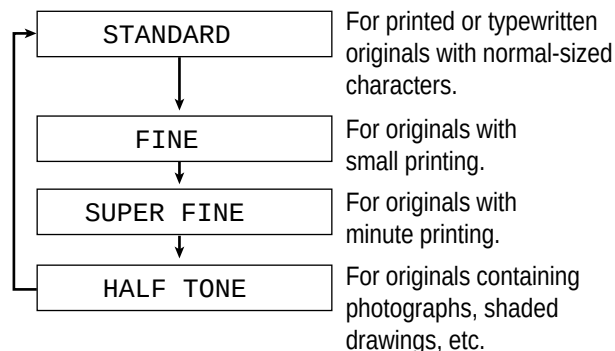


Note:

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

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.

To stop copying

Press **STOP**.

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.

- 5 Press **MONITOR** or lift the handset.

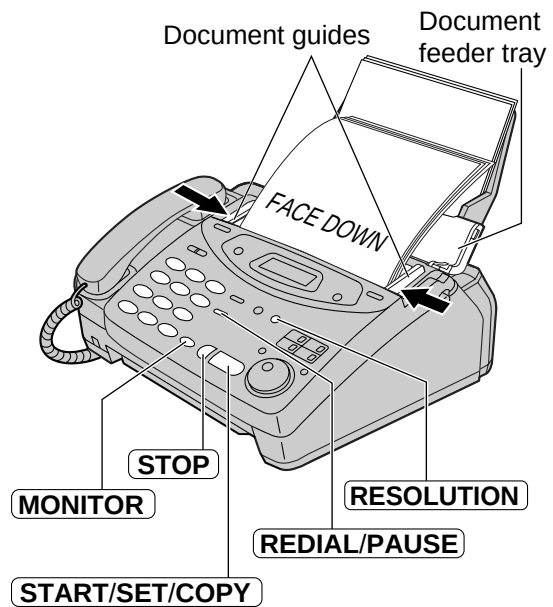
TEL=

- 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.

CONNECTING.....



Note:

- If the other party answers your call, ask them to start receiving a fax, then press your **START/SET/COPY**.

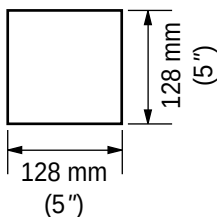
To stop transmission

Press **STOP**.

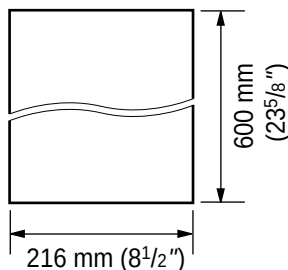
To eject the document, press **STOP** again.

Documents you can send

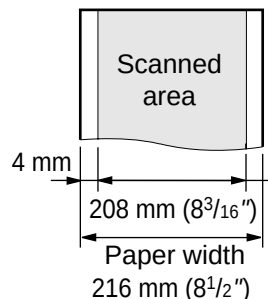
Minimum size



Maximum size



Effective scanning area



Document weight

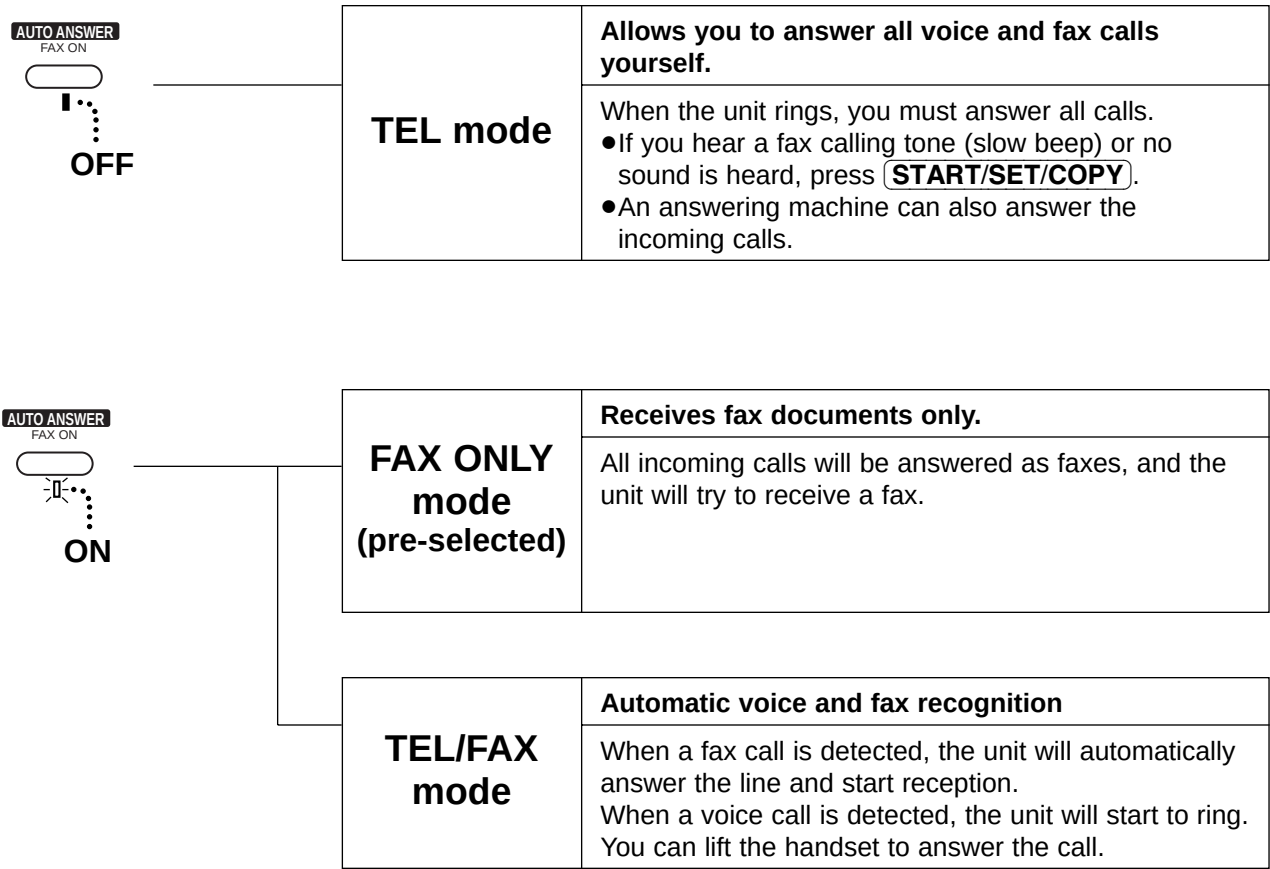
Single sheet:
45 g/m² to 90 g/m²
(12 lb. to 24 lb.)

Multiple sheets:
60 g/m² to 75 g/m²
(16 lb. to 20 lb.)

Note:

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

Setting the unit to receive calls



Receiving documents manually

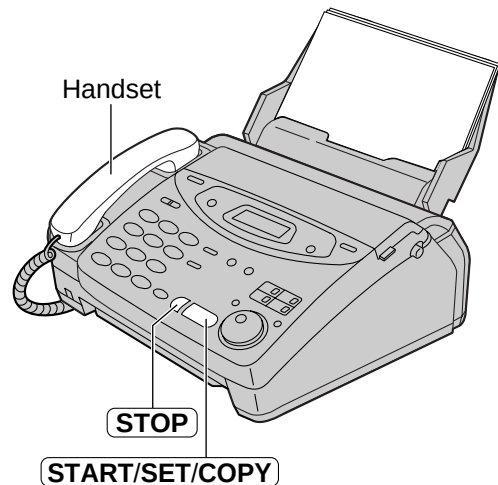
1 When the unit rings, lift the handset to answer the call.

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

To stop receiving the document

Press **STOP**.

Friendly reception feature

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

Memory reception

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

While document is in memory, the unit will:

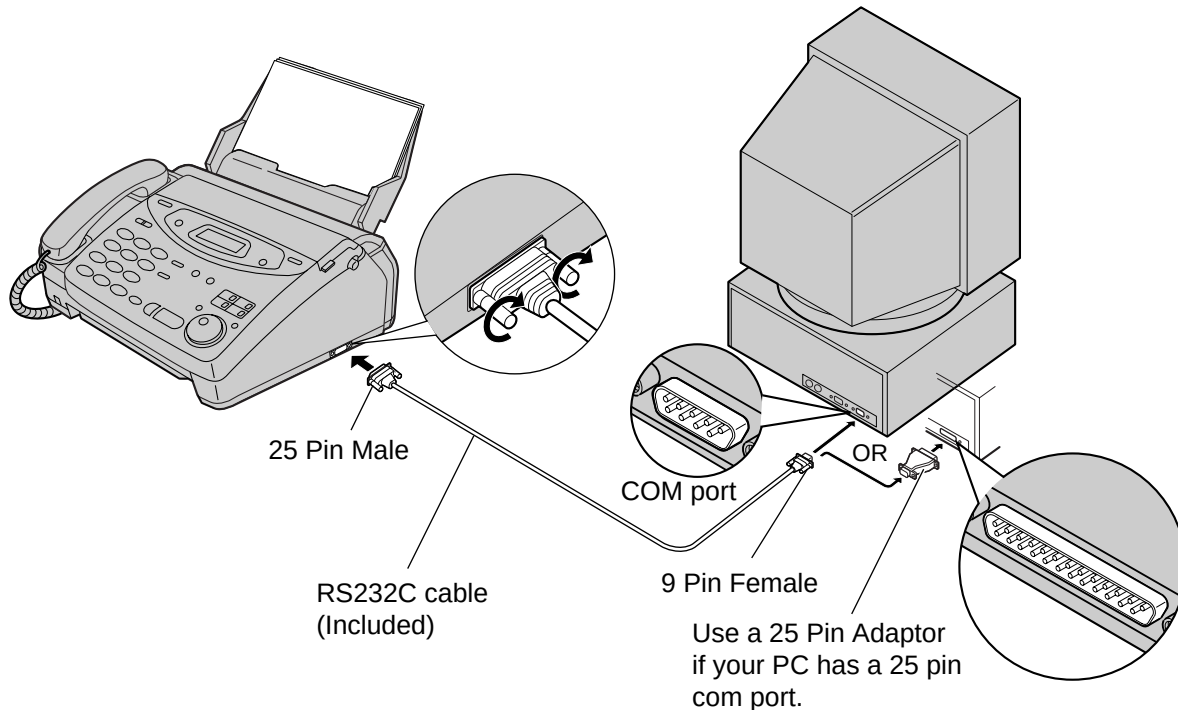
- display an error message and the following message alternately.

Display: **FAX IN MEMORY**

- alert you with slow beeps (memory reception alert).

PC Information

Connecting to a computer



Installing the Multi-Function Center software

- 1** Start Windows 3.1/3.11/95/98 and close all applications.
- 2** Insert **the CD** into your CD-ROM drive.
The Welcome window will automatically appear after 4 or 5 seconds.
- 3** Follow the instructions on the screen until all files have been installed.
- 4** Remove the CD from the CD-ROM drive and click **Finish** to reboot your PC.

Main functions

- Printing documents from Windows 3.1/3.11 or Windows 95/98.
- Printing received documents
- Computerized directory for fax and phone numbers
- Sending documents
- Receiving faxes on your PC
- Viewing faxes on your screen
- Faxing a document from the fax machine using the PC
- Using your fax machine as a scanner

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 Request, 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 29th Avenue Suite 102 Hollywood, FL 33020	GEORGIA 8655 Roswell Road Suite 100 Atlanta, GA 30350 ILLINOIS 9060 Golf Road Niles, IL 60714 1703 North Randall Road Elgin, IL 60123 (Pick-up / Drop-off only) MARYLAND 62 Mountain Road Glen Burnie, MD 21061 MASSACHUSETTS 60 Glacier Drive Suite G Westwood, MA 02090	MICHIGAN 37048 Van Dyke Avenue Sterling Heights, MI 48312 MINNESOTA 7850-12th Avenue South Airport Business Center Bloomington, MN 55425 OHIO 2236 Waycross Road Civic Center Plaza Forest Park, OH 45240 PENNSYLVANIA 2221 Cabot Blvd. West Suite B Langhorne, PA 19047 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 20425-84th Avenue South Kent, WA 98032
			HAWAII 99-859 Iwaiwa Street Aiea, Hawaii 96701 Phone (808) 488-1996 Fax (808) 486-4369

Service in Puerto Rico

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

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

- Servicers are listed on page 25.
- 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.

Energy Star

As an ENERGY STAR® Partner, Panasonic has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

ENERGY STAR is a U.S. registered mark.



Technical data about this product

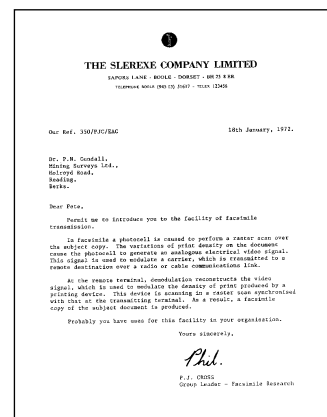
Applicable Lines:	Public Switched Telephone Network
Document Size:	Max. 216 mm (8 $\frac{1}{2}$ ") in width Max. 600 mm (23 $\frac{5}{8}$ ") in length
Effective Scanning Width:	208 mm (8 $\frac{3}{16}$ ")
Recording Paper Size:	Letter: 216 mm × 279 mm (8 $\frac{1}{2}$ " × 11") Legal: 216 mm × 356 mm (8 $\frac{1}{2}$ " × 14")
Effective Printing Width:	208 mm (8 $\frac{3}{16}$ ")
Transmission Time*:	Approx. 15 s/page (Original mode)**
Scanning Density:	Horizontal: 8 pels/mm (203 pels/inch) Vertical: 3.85 lines/mm (98 lines/inch) —STANDARD mode 7.7 lines/mm (196 lines/inch) —FINE/HALF TONE mode 15.4 lines/mm (392 lines/inch) —SUPER FINE mode
Halftone Level:	64-level
Scanner Type:	Contact Image Sensor (CIS)
Printer Type:	Thermal Printing
Data Compression System:	Modified Huffman (MH), Modified READ (MR)
Modem Speed:	9,600 / 7,200 / 4,800 / 2,400 bps; Automatic Fallback
Operating Environment:	5 °C – 35 °C (41 °F – 95 °F), 20 % – 80 % RH (Relative Humidity)
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 of 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 15 second speed is based upon the CCITT No. 1 Test Chart and original mode.
If the capability of the other party's machine is inferior to your unit, the transmission time may be longer.

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.

CCITT No. 1 Test Chart



**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. ("PSC")**
Ave. 65 de Infantería, Km. 9.5
San Gabriel Industrial Park, Carolina,
Puerto Rico 00985