

Panasonic

Telephone Answering System
with Facsimile

Model No. **KX-F850**

OPERATING INSTRUCTIONS



Please read these Operating Instructions before using the unit.

*** FAX PAPER ***

98 foot roll of Panasonic super thermal paper

— or —

164 foot roll of standard thermal paper

(See page 83 for order numbers.)

Please read **IMPORTANT SAFETY INSTRUCTIONS** on page 82 before use. Read and understand all instructions.

Caution:

The Telephone Consumer Protection Act of 1991 makes it unlawful for any person to use a computer or other electronic device to send any message via a telephone facsimile machine unless such a message clearly contains in a margin on the top or bottom of at least the first sent page the following information:

- 1) Date and time of transmission; and,
- 2) Identification of either business, business entity or individual sending the message; and,
- 3) Telephone number of either the sending machine, business, business entity or individual.

In order to program this information into your facsimile machine, you must complete the steps on pages 36 to 37 in these Operating Instructions.

Important Phone Numbers

Accessory Purchases: 1-800-332-5368
 Technical Support: 1-800-HELP-FAX

Accessories

For recording paper replacement, see page 83.

Power cord 1 pc.



(page 11)

Telephone line cord 1 pc.



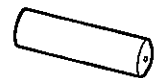
(page 11)

Paper stacker 1 pc.



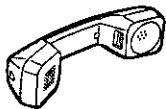
(page 9)

Recording paper 1 pc.



(page 9)

Handset 1 pc.



(page 11)

Handset cord 1 pc.



(page 11)

AA (R6, UM-3) size battery 4 pcs.



(page 10)

Any details given in these instructions are subject to change without notice. The photo on the cover page may vary slightly from the actual product.

Thank you for purchasing the Panasonic Telephone Answering System with Facsimile. This unit combines multiple functions of Facsimile, Answering Device and Telephone; You can send and receive documents and voice messages on a single line.

Features

General

- Desktop type
- LCD (Liquid Crystal Display) readout
- Automatic paper cutter
- Silent ring fax recognition system (page 25)
- Help function (see below)
- Copier function (page 27)

Facsimile

- Automatic document feeder (up to 15 sheets)
- 64-level halftones
- Resolution: standard/fine/super fine/halftone (page 19)
- Confidential reception into mailbox (page 59)
- Multistation transmission (page 45)
- Delayed transmission (page 41)
- Ring pattern detection (page 53)
- Overseas transmission mode (page 55)
- Remote fax receiving using an extension phone (page 47)
- Junk mail prohibitor (page 48)

Digital answering system

- One-touch message playback (page 28)
- Voice mailbox (page 59)
- Tone remote control system

Integrated telephone system

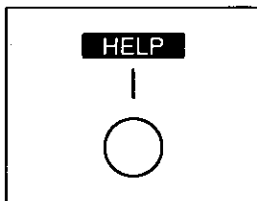
- One-touch dialer (12 phone numbers) (page 38)
- 48-station speed dialer (page 38)
- Hands-free speakerphone (page 16)
- Electronic telephone directory (page 39)

Memory

- The memory in this unit is shared by the voice answering system and the facsimile system on a "first come first served" basis. This flexible design allows the unit to use available memory as needed. When no voice messages have been recorded, approximately 22 pages* of fax documents can be stored. When no fax documents are in memory, approximately 9 minutes of voice recordings can be recorded. (pages 26, 28 and 42)

*Memory capacity applies to text data by using the CCITT No. 1 test chart in standard resolution.

HELP function



Use this function if the instructions are lost while using the unit. It will provide the user with instructions.

When the **HELP** button is pressed, the unit will print a quick reference.

Information:

- Transmit the leaflet on page 87 to several of your associates. In this way, you can confirm that your unit will function correctly and inform them of the procedure for transmitting documents and/or recording voice messages.

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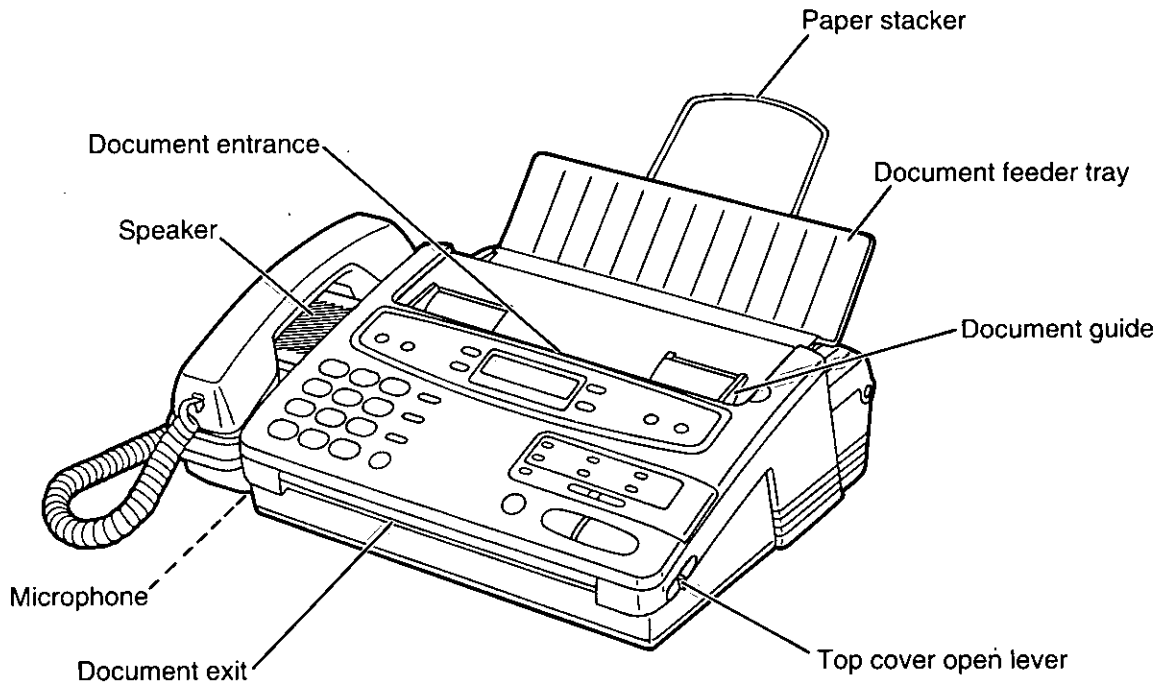
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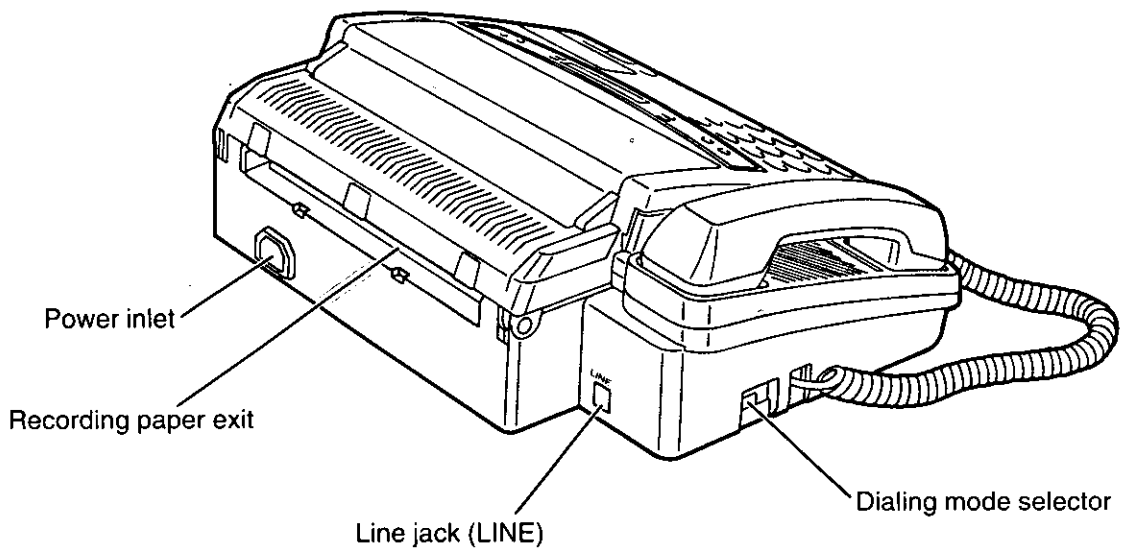
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Location of Controls

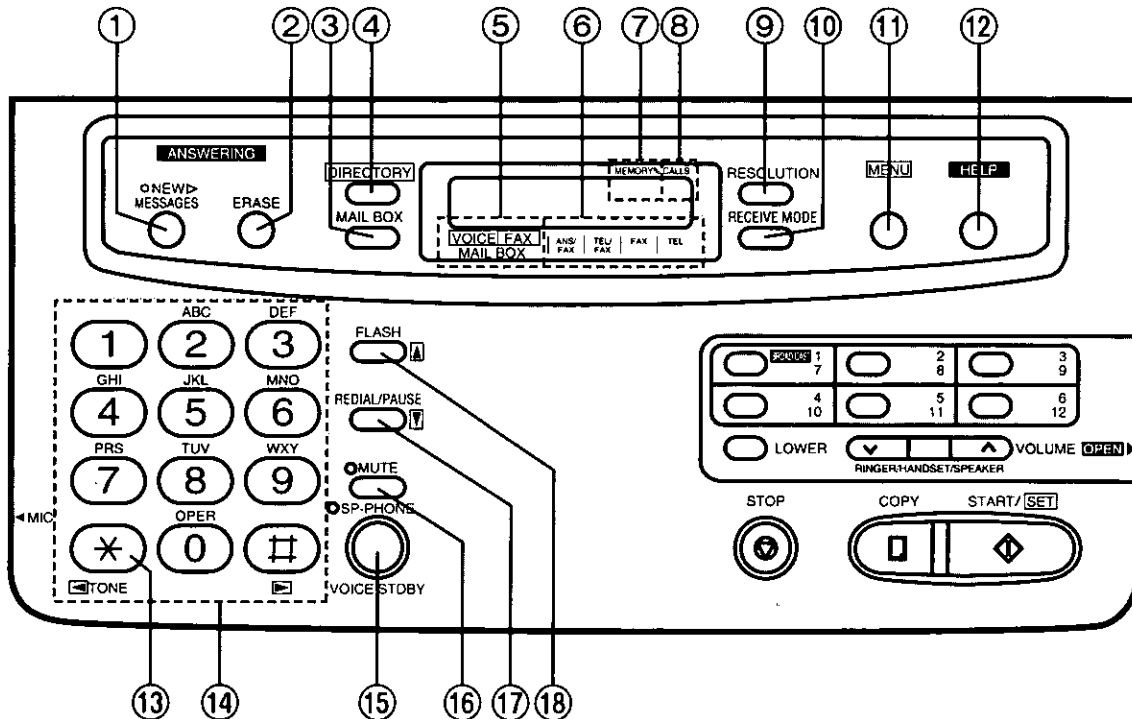
Front view



Rear view

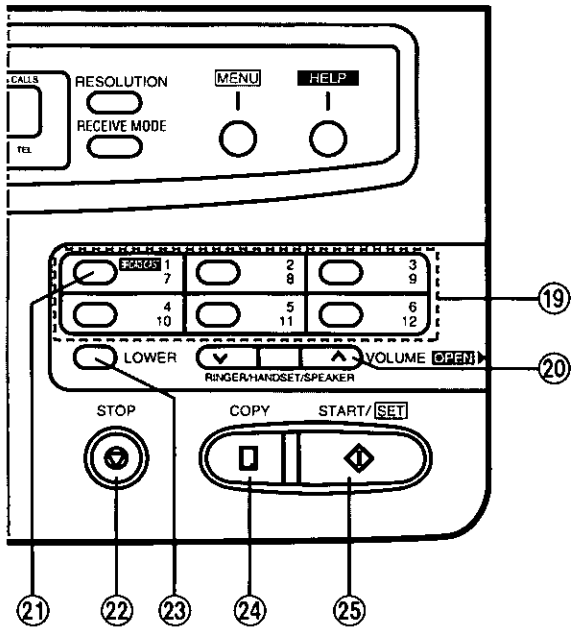


Control panel



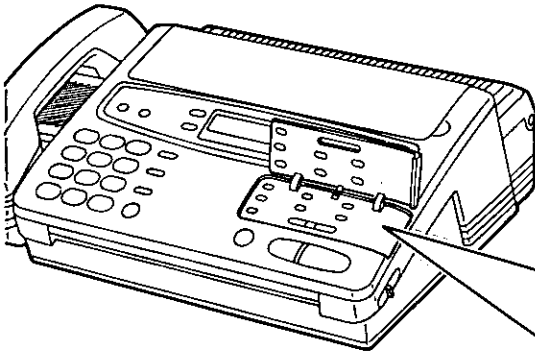
- ① **NEW MESSAGES button** (page 28)
Used to play back only new messages.
- ② **ERASE button** (page 29)
Used to erase recorded incoming messages.
- ③ **MAIL BOX button** (page 62)
Used to select a mailbox number.
- ④ **DIRECTORY button** (pages 16, 21 and 39)
Used for speed dialing. Also used for the electronic telephone directory.
- ⑤ **Mailbox indicator** (page 62)
Shows the mailbox number in which voice/fax messages have been received.
- ⑥ **Receiving mode indicator** (page 15)
Shows the receiving mode being set.
- ⑦ **Memory counter**
Shows the amount of memory used (up to 99%) when storing voice/fax messages.
- ⑧ **Call counter**
Counts the number of newly recorded voice messages in the common memory up to 99.
- ⑨ **RESOLUTION button** (page 19)
Used to adjust scanning line density.
- ⑩ **RECEIVE MODE button** (page 15)
Used to select the desired receiving mode.
- ⑪ **MENU button**
Used to start and exit various programming.
- ⑫ **HELP button** (page 3)
Used to print an easy guide for operations.
- ⑬ **TONE button** (page 71)
Used to temporarily change the dialing mode from pulse to tone during a dialing operation.
- ⑭ **Dial keypad**
Used for dialing operation and parameter setting. Also used as character keys.
- ⑮ **SP-PHONE/VOICE STDBY button** (pages 16 and 58)
Used for on-hook dialing and voice contact features.
- ⑯ **MUTE button** (page 17)
Used for voice muting.
- ⑰ **REDIAL/PAUSE button** (pages 17 and 71)
Used to redial the last dialed number. Also used to insert a pause into a phone number.
- ⑱ **FLASH button** (page 71)
Used as a hook button. Also used to access some features of your host exchange.

Control panel (cont.)



- ⑱ **Direct call station keys** (pages 16, 21 and 38)
Used for one-touch dialing. Also used as character keys when logo and station names are programmed.
- ⑳ **VOLUME buttons** (page 12)
Used to adjust the volume level of the ringer, handset and speaker.
- ㉑ **BROAD CAST key** (page 45)
Used for multistation transmission.
- ㉒ **STOP button** (page 20)
Used to stop fax communication.
- ㉓ **LOWER key** (pages 16, 21 and 38)
Used to access lower stations (7 to 12) for one-touch dialing.
- ㉔ **COPY button** (page 27)
Used to start copying.
- ㉕ **START/SET button**
Used to start fax communication. Also used to store parameters during programming.

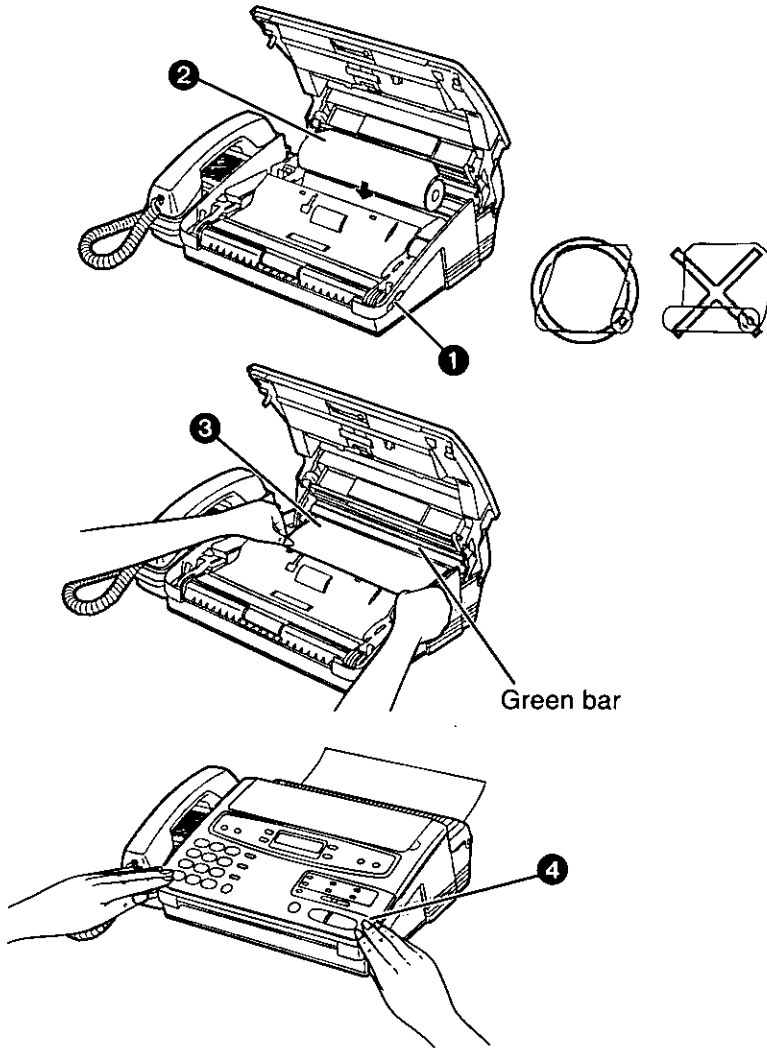
Answering control buttons



- ① **REPEAT button** (page 29)
Used to replay the previous message during the message playback.
- ② **ALL MESSAGES button** (page 28)
Used to play back all the recorded voice messages.
- ③ **GREETING SELECT button** (pages 13 and 60)
Used to select a desired greeting message when recording or checking the greeting message.
- ④ **SKIP button** (page 29)
Used to skip to the next message during the message playback.
- ⑤ **MEMO/2WAY REC button** (page 30)
Used to start and stop recording a memo message or a telephone conversation.
- ⑥ **GREETING REC button** (pages 13 and 60)
Used to start recording a greeting message.

Installing Your Unit

Installing the recording paper

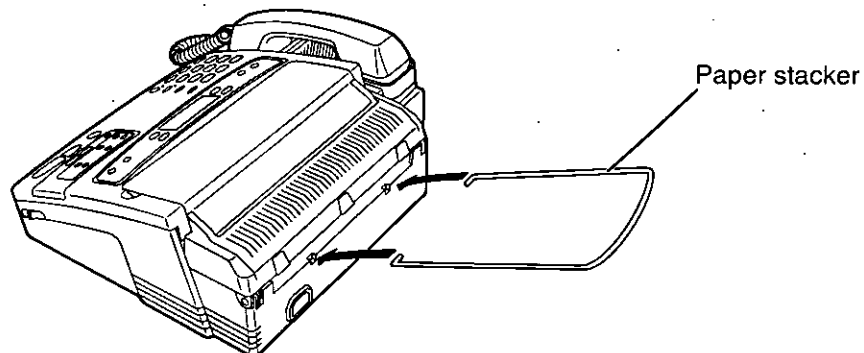


- 1 Slide the lever toward you to open the top cover.
- 2 Place a recording paper roll in the unit.
—Make sure that the shiny side of the paper is facing up and that there is no slack, tape or glue residue on the paper roll. (See note below.)
- 3 Insert the leading edge of recording paper under the green bar.
- 4 Close the top cover carefully by gently pressing down on both ends.

Notes:

- Use only the included roll or specified recording paper, or else the print quality may be affected and/or excessive thermal head wear may occur. See page 83 for order number.
- The start of some recording paper rolls is secured using glue or tape. Residue from this glue/tape may cause the paper cutter to jam immediately following installation of a new roll. To prevent this, cut approximately 150 mm (6 inches) from the new roll of paper prior to installation.

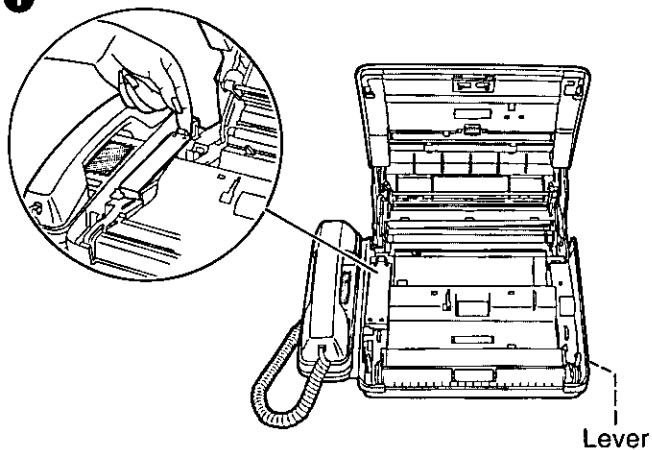
Installing the paper stacker



Installing the batteries

The batteries are required to retain voice/fax messages in memory when the power cord is disconnected or during a power failure. Install four AA (R6, UM-3) size batteries (supplied) before using the unit.

1



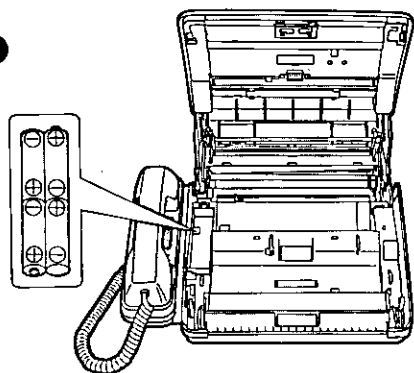
1 Slide the lever toward you to open the top cover and remove the battery compartment cover by pulling the hook toward you and lifting it up.

2 Install four batteries into the compartment using correct polarity (+, -).

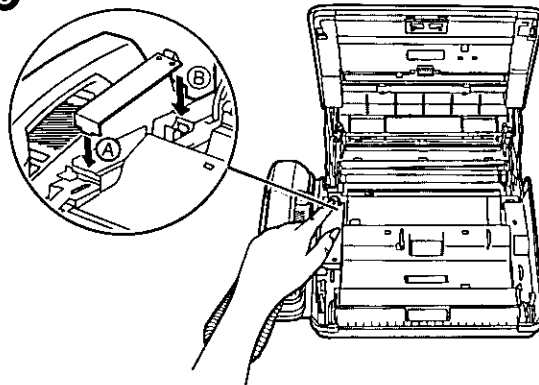
3 (A) Replace the battery compartment cover by installing the tab of the cover into the hole first.
(B) Press down the part marked "PRESS" until it clicks.

4 Close the top cover.

2



3



Battery precautions:

- The batteries should be used correctly, otherwise, the unit may be damaged due to battery leakage.
- Do not mix different types of batteries.
- Do not charge, short-circuit, disassemble, heat or dispose in fire.
- Remove all the batteries when replacing.

Notes:

- If you do not install the batteries, or if the battery power is low:
— The display will show the following message;

BATTERY LOW

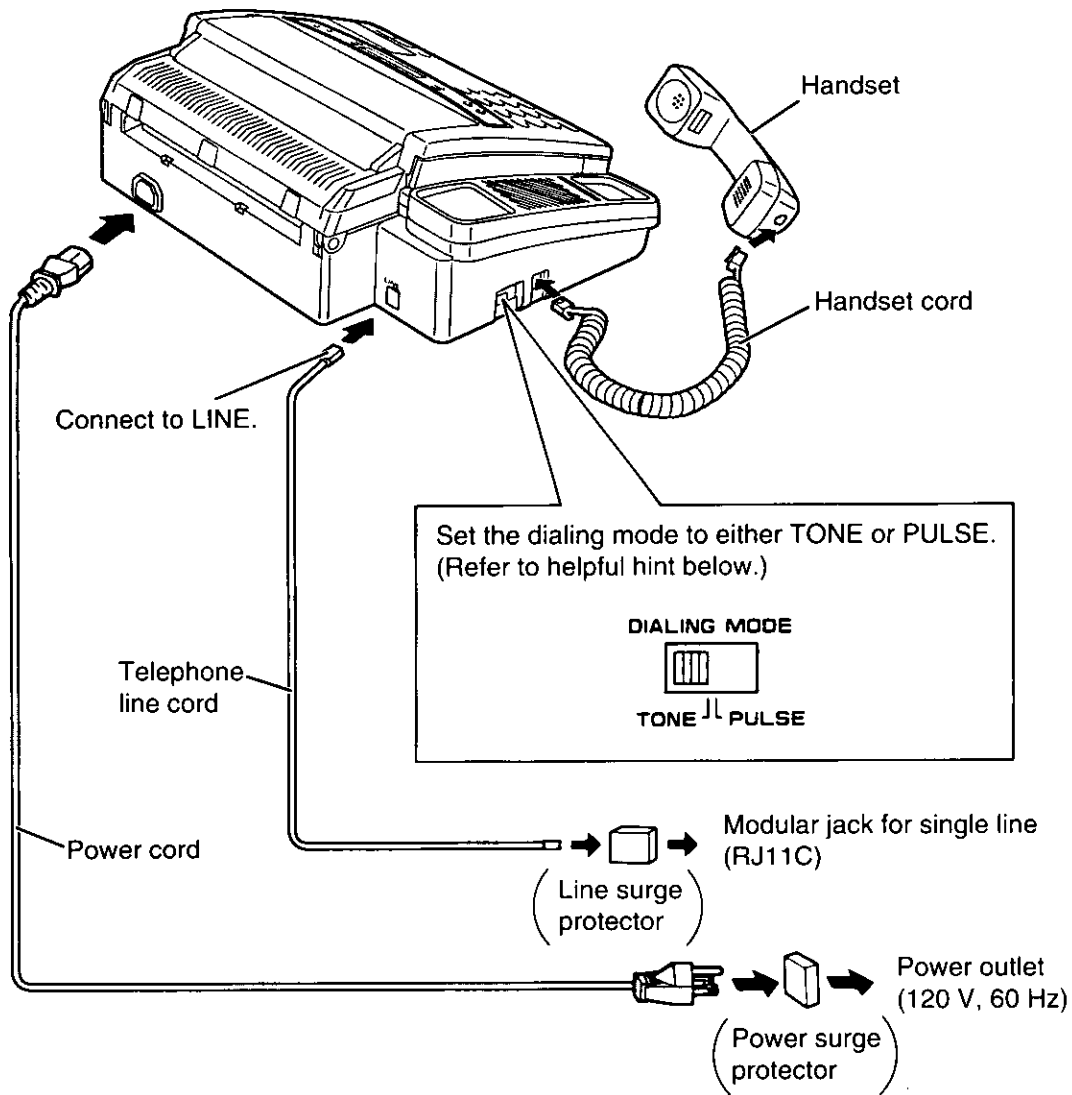
Install new batteries.

— Greeting and all voice/fax messages saved in memory will be erased when a power failure occurs.

- Batteries should be installed in order to provide message retention during a power failure. Message retention time is approximately one month with new batteries.
- To avoid losing the greeting and all voice/fax messages saved in memory, the power cord must remain connected when replacing the batteries.
- When replacing the batteries, disconnect the telephone line cord before opening the battery compartment cover.
- Replace all the batteries once a year, or mis-operation may occur.
- Do not use Nickel-Cadmium batteries.

Connections and dialing mode setting

1



Helpful hint for setting the dialing mode:

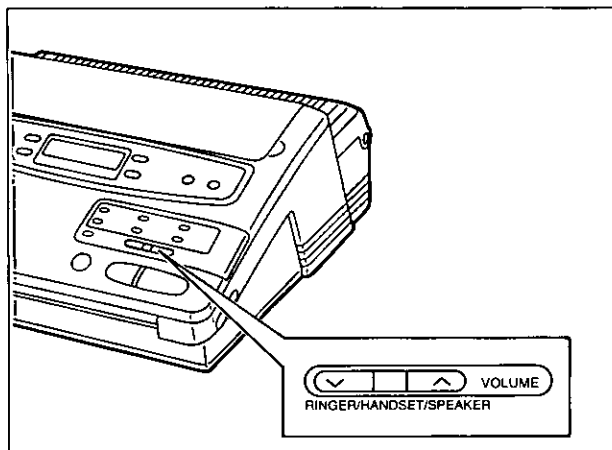
1. Ensure that the dialing mode selector is set to TONE.
2. Lift the handset or press the SP-PHONE button, then listen for the dial tone.
3. Dial a familiar number.
4. If the call is successful, the unit is connected to a tone exchange. Leave the selector set to TONE.
5. If the call is not successful, the unit is connected to a pulse exchange. Switch the selector to PULSE.

Notes:

- We recommend the use of an exclusive power outlet to avoid interference from other equipment.
- When you operate this product, the socket outlet should be near the product and be easily accessible.
- The unit will not function during a power failure.
- For additional equipment protection, we recommend the use of a surge protector. The following type is available; TELESPIKE BLOK MODEL TSB (TRIPPE MFG. CO.), SPIKE BLOK MODEL SK6-0 (TRIPPE MFG. CO.), SUPER MAX (PANAMAX) or MP1 (ITW LINX).

Adjusting Volumes

You can adjust the volume level of the ringer, the handset and the speaker. These volume levels should be adjusted respectively.



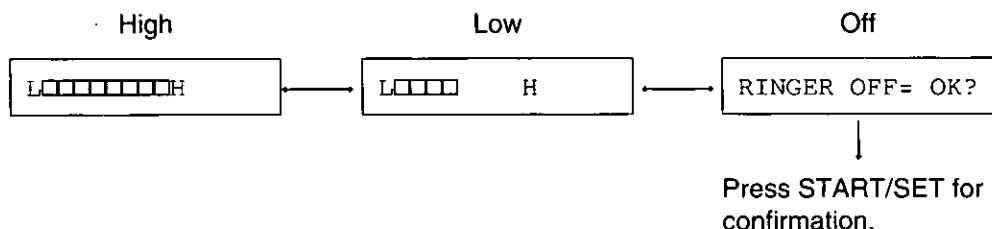
To increase the volume level,
press ^ repeatedly.

To decrease the volume level,
press v repeatedly.

—The number of the black squares in the display shows the volume level as below.

Ringer volume

Press the buttons (^/v) repeatedly while the unit is in idle status. 3 levels are available.

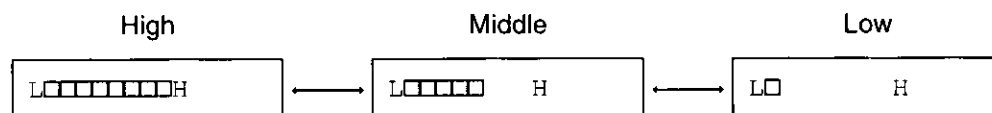


Note:

- If the ringer volume is set to off, the unit will not ring and the display will show "RINGER OFF" in idle status.

Handset volume

Press the buttons (^/v) repeatedly when the handset is in use. 3 levels are available.



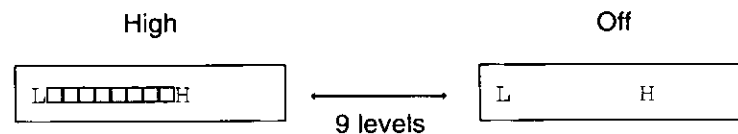
Speaker volume

Press the buttons (^/v) repeatedly when the speakerphone is used. 8 levels are available.



Answering device volume

Press the buttons (^/v) repeatedly while listening to messages recorded on the answering device. 9 levels are available.



Recording Greeting Messages

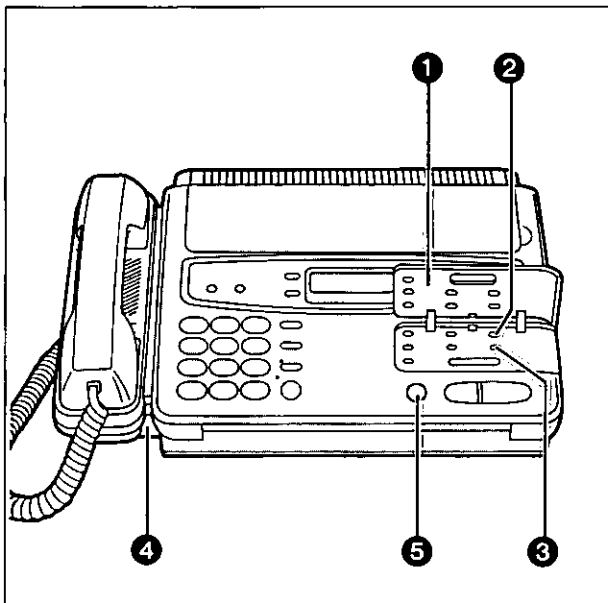
Record two types of greeting messages before using the unit as an answering device and a facsimile. One is the message for the *ANS/FAX* mode, and the other is for the *TEL/FAX* mode.

The greeting message for the *ANS/FAX* mode tells a caller that you are unable to answer, and allows the caller to leave a voice message or to send a fax message.

The greeting message for the *TEL/FAX* mode tells a caller that the unit is calling you up, and allows the caller to wait until you answer the call or to send a fax message.

How to record greeting messages

Recording time is limited to 16 seconds for each message. Record a greeting message within 12 seconds for optimum performance. Perform the following steps to record each of the messages.



- 1 Open the station key panel.
- 2 ■ For the *ANS/FAX* mode:
Press **GREETING SELECT**.

ANS-GREETING

- For the *TEL/FAX* mode:
Press **GREETING SELECT** repeatedly until the following is displayed.

TEL-GREETING

- 3 Press **GREETING REC**.
Example: Recording for the ANS/FAX mode

ANS REC 16s

—A beep will be heard.

- 4 Immediately after the beep, speak clearly and loudly toward the microphone from a distance of approximately 200 mm (8 inches).
- 5 When finished, press **STOP**.
—After a beep, the unit will play back the message so that you can confirm it. Adjust the speaker's volume to a suitable level by pressing the **VOLUME** buttons.

Notes:

- If you make a mistake while recording, repeat from step 2.
- You can record the greeting message for the *ANS/FAX* mode by directly pressing the **GREETING REC** button without pressing the **GREETING SELECT** button.
- When a greeting message is recorded, the memory will be used and the display will show the amount of used memory as a percentage.

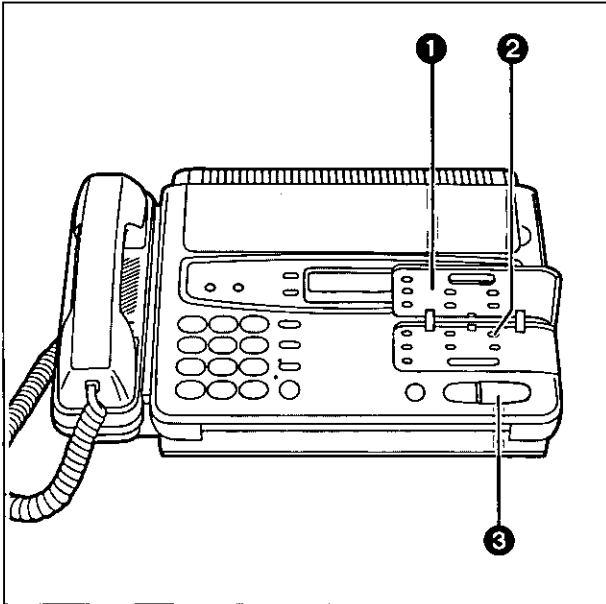
Suggested messages

■ For the *ANS/FAX* mode:
"This is (your name, business and/or telephone number). We are unable to answer right now. To send a fax, start transmission. To leave a message, speak (or 'speak for up to 1 minute') after the long beep. Thank you."

■ For the *TEL/FAX* mode:
"This is (your name, business and/or telephone number). Please wait for someone to answer the line. To send a fax, start transmission."

10:25AM 03 00

Checking greeting messages



- 1 Open the station key panel.
- 2 ■ **Checking the greeting message for the ANS/FAX mode:**
Press **GREETING SELECT**.

ANS-GREETING

- 2 ■ **Checking the greeting message for the TEL/FAX mode:**
Press **GREETING SELECT** repeatedly until the following is displayed.

TEL-GREETING

- 3 Press **START/SET**.
—After a beep, the unit will play back the message.

Notes:

- Adjust the speaker volume using the **VOLUME** button (see page 12).
- You can check the greeting message for the ANS/FAX mode by directly pressing the **START/SET** button without pressing the **GREETING SELECT** button.

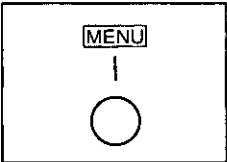
Setting the caller's recording time

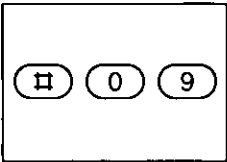
You can choose from two lengths of recording times for incoming messages.

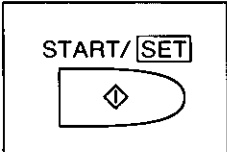
VOX (unlimited): The unit will record an incoming message as long as a caller speaks (pre-selected setting).

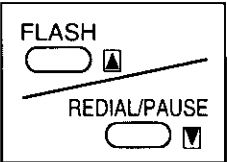
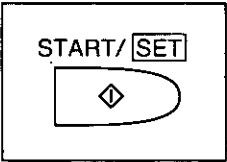
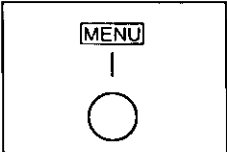
1 MIN (1 minute): The unit will record an incoming message up to 1 minute per message.

To change the recording time, proceed as follows:

- 1  Press **MENU** until the following is displayed.

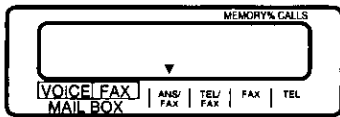
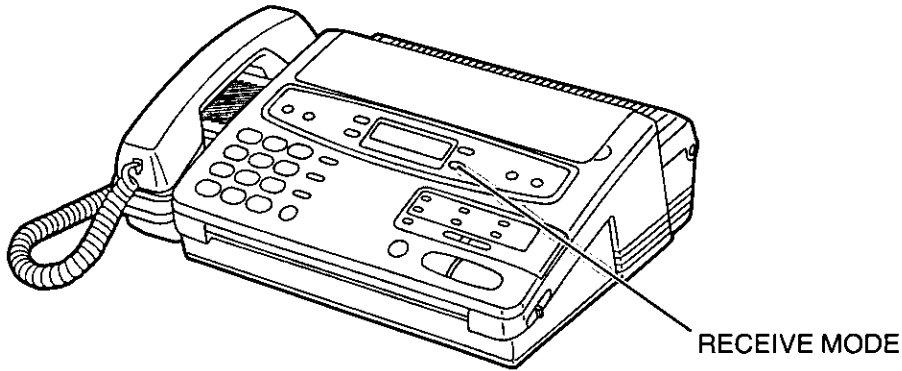
1. SYSTEM SET UP
- 2  Press **#09**.

RECORDING TIME
- 3  Press **START/SET**.

MODE=VOX [▲▼]
- 4  Press **▲** or **▼** to select the desired mode.
- 5  Press **START/SET** to store the setting.
- 6  Press **MENU** to end the program.

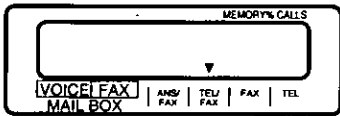
Selecting the Receive Mode

Select a desired receiving mode by pressing the **RECEIVE MODE** button repeatedly until the arrow is positioned on the desired mode in the display.



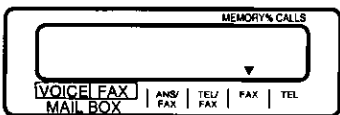
ANS/FAX mode:

When you wish to set the unit to record incoming voice messages and also receive fax messages, select this mode.
For further details, see page 22.



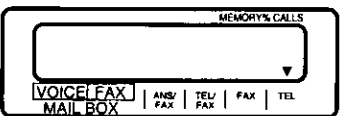
TEL/FAX mode:

When you wish to answer voice calls with ring and wish to receive fax messages without hearing ring, select this mode.
You can answer voice calls only and will not be disturbed by incoming faxes.
For further details, see page 24.



FAX mode:

When you wish to receive fax transmissions only, select this mode.
The unit will answer all calls and start to receive fax messages automatically.
For further details, see page 26.



TEL mode:

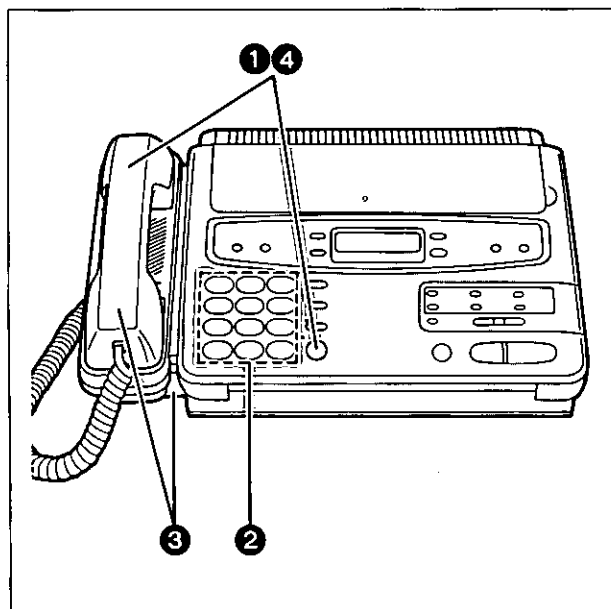
When you wish to set the unit not to answer any incoming call automatically, select this mode.
When you pick up the handset and fax reception is required, you can press the **START/SET** button to receive documents.
If no one answers a call by 15 rings, the receiving mode will switch to the **ANS/FAX** mode automatically.

Note:

- Regardless of above setting, you can make voice and fax calls.

Making and Answering Voice Calls

Making voice calls



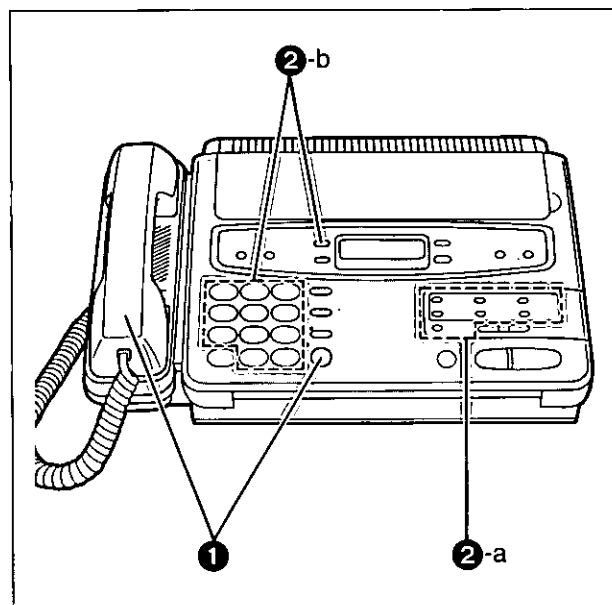
- 1 Press **SP-PHONE** or lift the handset, then listen for the dial tone.
- 2 Dial a phone number.
- 3 When the other party answers, speak through the microphone or handset.
- 4 When finished, press **SP-PHONE** again or place the handset on the cradle.

Helpful hints:

- Adjust the volume to a suitable level. See page 12.
- If you wish to switch to the handset from the speakerphone, lift the handset. To switch to the speakerphone, press the **SP-PHONE** button.
- If you misdial, press the **FLASH** button firmly, then dial the correct number.
- For helpful hints for speakerphone operation, see page 17.

Making voice calls using automatic dialing

You can dial a phone number automatically using one-touch dialing and speed dialing. Before using automatic dialing, make sure that the desired telephone numbers have been stored in memory. For storing phone numbers, see page 38.



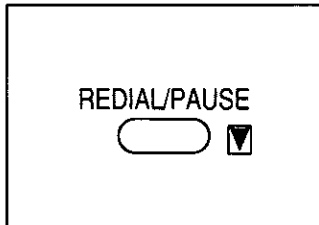
- 1 Press **SP-PHONE** or lift the handset.
- 2-a **Using one-touch dialing:**
 - When using the upper stations 1 to 6: Press the desired direct call station key.
 - When using the lower stations 7 to 12: Press **LOWER**, then press the desired direct call station key.
- 2-b **Using speed dialing:** Press **DIRECTORY**, then press # and the desired 2-digit number (00–47).

Helpful hint:

- You can also use the electronic telephone directory to make a voice call (see page 39).

Redialing the last dialed number

If the line is busy or you wish to redial the last dialed number, use the REDIAL/PAUSE button.



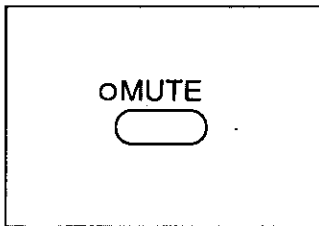
Press **SP-PHONE** or lift the handset, then press **REDIAL/PAUSE**.

Note:

- If the line is busy when using the speakerphone, the unit will automatically redial the number (see item 8 on page 83).

Voice muting

The MUTE button will mute your voice during a telephone conversation. Using this feature, you can hear the voice of the other party, but the other party cannot hear your voice.



Press **MUTE** and confirm the MUTE indicator light is on.
To resume the conversation, press **MUTE** again.

Answering voice calls

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

When you have finished, replace the handset on the cradle or press **SP-PHONE**.

Note:

- For helpful hints for speakerphone operation, see below.

Helpful hints for speakerphone operation

- Use the speakerphone in a quiet room for best performance.
- If the other party has difficulty hearing you, decrease the volume using the **VOLUME** buttons (see page 12).
- If you and the other party speak at the same time, parts of your conversation will be lost. To avoid this, speak alternately.

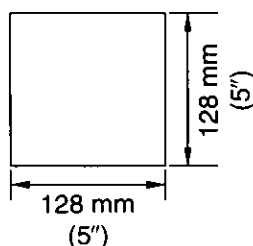
Before Transmission

Acceptable documents

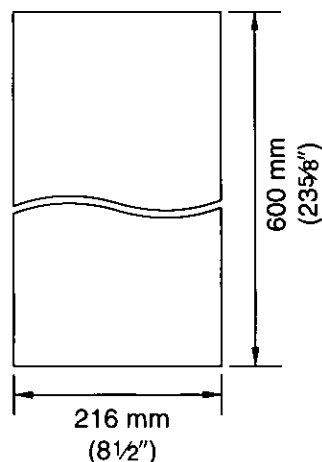
The unit can transmit documents that meet the following conditions.

- Document width should be from 128 to 216 mm (5 to 8½").
- Maximum document length should not exceed 600 mm (23⅝").
- Effective scanning width can be up to 208 mm (8⅜").
- Number of pages that can be set in the document feeder tray must not exceed 15 sheets.
- Document weight:
 - Single sheet: 45 to 90 g/m² (12 to 24 lb.)
 - Multiple sheets: 60 to 75 g/m² (16 to 20 lb.)

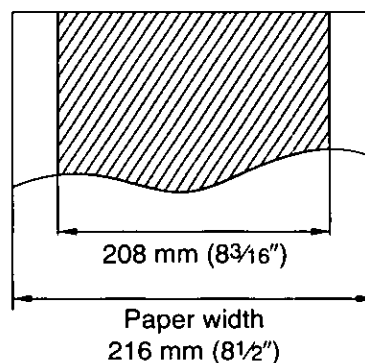
Minimum document size



Maximum document size



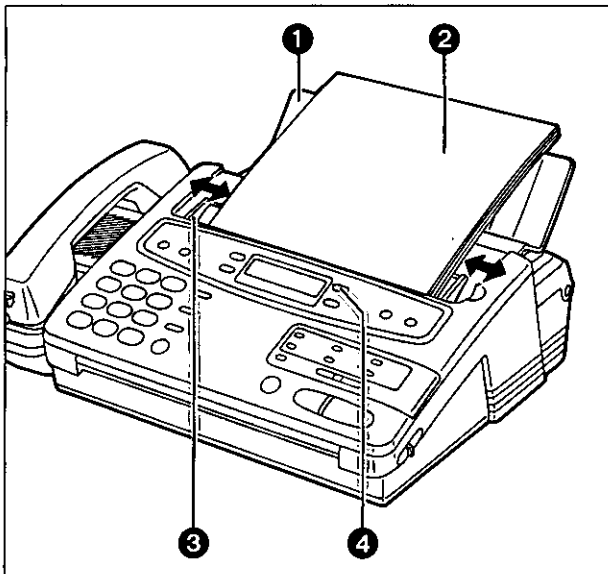
Effective scanning width



Note:

- Do not feed the following types of documents. Make a copy of these documents with a copier machine and feed the copy into the unit.
 - Paper with a chemically treated surface such as carbon paper or carbonless duplicating paper
 - Electrostatically charged paper
 - Heavily curled, creased or torn paper
 - Paper with a coated surface
 - Small-sized paper such as a slip or voucher
 - Thin paper less than 45 g/m² (12 lb.)
 - Thick paper over 90 g/m² (24 lb.)
 - Paper with faint contrast between the printing and the background
 - Paper with printing on the reverse side that can be seen through the front (e.g. newspaper)

Loading documents



- 1 Open the document feeder tray.
- 2 Insert the documents FACE DOWN until a beep tone is heard.
—The unit can accept up to 15 sheets of paper at a time.
- 3 Adjust the document guides to the width of the documents.
- 4 Adjust the resolution by pressing **RESOLUTION** if needed (see below).

Notes:

- Remove clips, staples or other similar objects from a document before feeding it into the unit. Also check that all ink, paste or correction fluid on the document has completely dried.
- If the top edge of the document is curled, make it flat and insert the document.

Setting resolution

Depending on the quality of the originals, you can select the desired resolution by pressing the **RESOLUTION** button repeatedly. Use the button when the document has been fed into the unit.

STANDARD

Suitable for printed or typewritten originals with normal-sized characters.

FINE

Suitable for originals with small printing.

SUPER FINE

Suitable for originals with minute printing.

HALF TONE

Useful for originals containing photographs, shaded drawings, etc.

Notes:

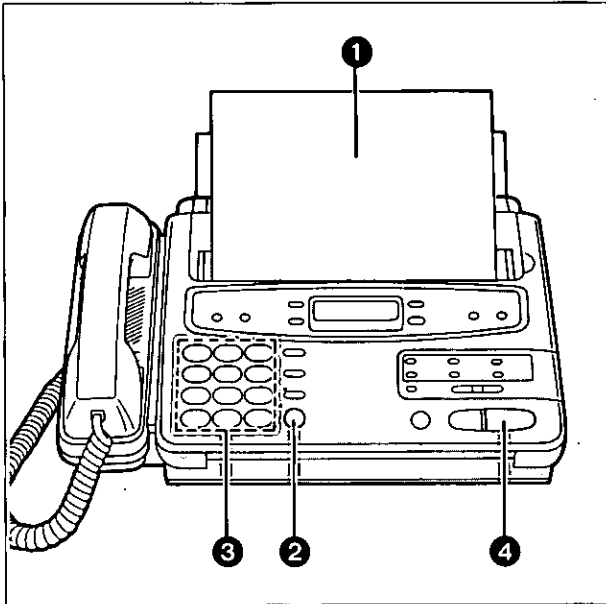
- Using these features except the standard resolution will increase the transmission time.
- The super fine resolution only works between other compatible machines.
- If the setting is changed during feeding, it will be effective from the next sheet.
- To enhance the resolution settings, see page 56.

Sending 16 or more sheets

If you wish to send 16 or more sheets at a time, insert the first 15 sheets of the document. Add the extra sheets, up to 15 sheets at a time, before the last sheet is fed into the unit.

Transmitting Documents

Transmitting documents manually



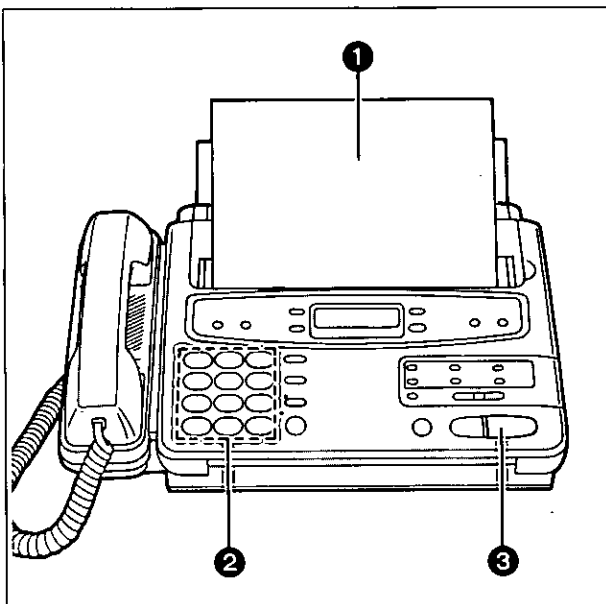
- 1 Insert the documents **FACE DOWN** until a beep tone is heard.
- 2 Press **SP-PHONE** or lift the handset, then listen for the dial tone.
- 3 Dial a phone number.
- 4 When a fax tone is heard, press **START/SET**.
- 5 Place the handset on the cradle if using it.
—The unit will start transmission.

Notes:

- If the other party answers your call, ask them to press their start or transmit button to start the fax reception, then press your **START/SET** button.
- If there is a misdial in step 3, press the **FLASH** button firmly, then dial the correct number after the dial tone is heard.
- To interrupt the transmission, press the **STOP** button.

Transmitting documents with fewer procedures

You can transmit documents without using the handset or the SP-PHONE button.



- 1 Insert the documents **FACE DOWN** until a beep tone is heard.
- 2 Enter the phone number.
—If incorrect, press the **STOP** button, then enter the correct number.
- 3 Press **START/SET**.
—The unit will start to dial and transmit the documents.

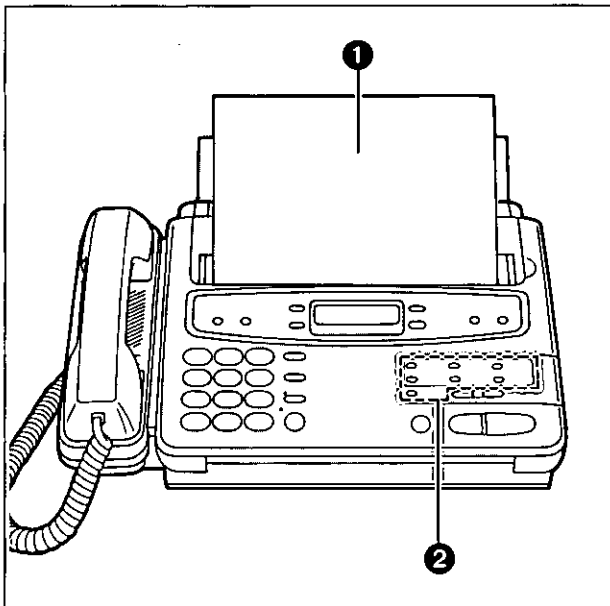
Note:

- If there is no answer or the line is busy, the unit will automatically redial the number (see item 7 on page 83).

Transmitting documents using automatic dialing

You can transmit documents automatically using one-touch dialing and speed dialing. Before using automatic dialing, make sure that the desired telephone numbers have been stored in memory. For storing phone numbers, see page 38.

Using one-touch dialing:



❶ Insert the documents **FACE DOWN** until a beep tone is heard.

❷ ■ **When using the upper stations 1 to 6:**
Press the desired direct call station key.

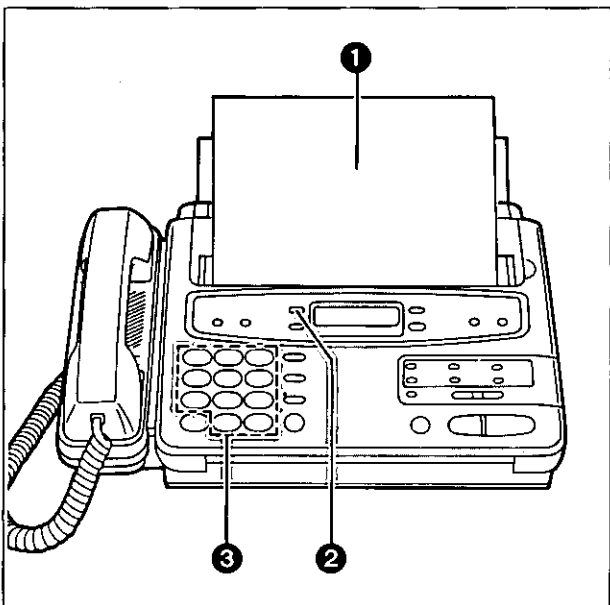
■ **When using the lower stations 7 to 12:**
Press **LOWER**, then press the desired direct call station key.

—The unit will dial and transmit the documents automatically.

Note:

- If there is no answer or the line is busy, the unit will automatically redial the number (see item 7 on page 83).

Using speed dialing:



❶ Insert the documents **FACE DOWN** until a beep tone is heard.

❷ Press **DIRECTORY**.

❸ Press #, then press the desired 2-digit number (00–47).
—The unit will dial and transmit the documents automatically.

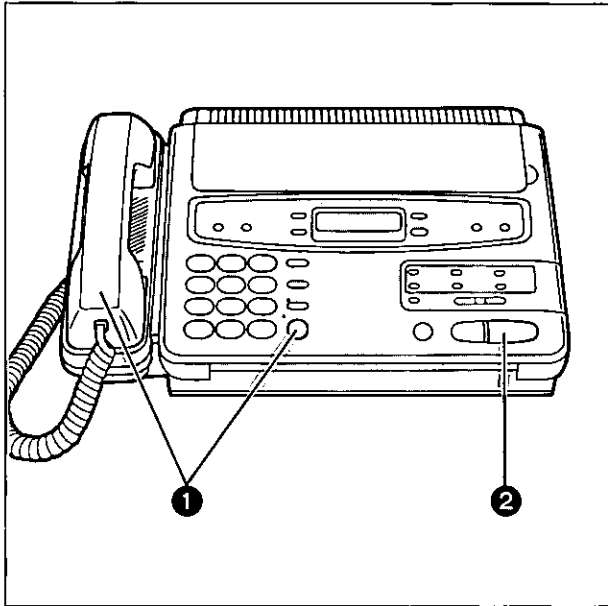
Note:

- If there is no answer or the line is busy, the unit will automatically redial the number (see item 7 on page 83).

Receiving Documents and/or Voice Calls

Manual reception

When in the *TEL* mode or during a telephone conversation, you can receive documents as follows.



- ❶ When the unit rings, press **SP-PHONE** or lift the handset to answer the call.
- ❷ When document reception is required, or a slow beep or nothing is heard, press **START/SET**.
- ❸ Place the handset on the cradle if using it.
—The unit will start reception.

Note:

- To interrupt reception, press the **STOP** button. The unit will stop receiving.

Automatic reception

Set the receive mode to *ANS/FAX*, *TEL/FAX* or *FAX* by pressing **RECEIVE MODE**.

When a fax call comes in, the unit will automatically activate the fax function to receive documents.

Receiving in the *ANS/FAX* mode

When a call comes in, the unit will automatically answer the call after 1 to 4 rings (user programming) and distinguish between a fax and voice call.

When receiving a fax call, the unit will automatically activate the fax function to receive documents.

When receiving a voice call, the unit will play the greeting message and record an incoming voice message.

Helpful hint:

- Transmit the leaflet found on page 87 to several of your associates. This way, the user can confirm that the unit is functioning correctly and inform them of the procedure of transmitting documents and/or recording voice messages on the unit.

Setting the number of rings to answer in the ANS/FAX mode

This feature determines the number of rings after which the unit answers a call in the ANS/FAX mode.

The following choices are available:

- 1: The unit will answer after the first ring.
- 2: The unit will answer after the second ring.
- 3: The unit will answer after the third ring.
- 4: The unit will answer after the fourth ring.
- Toll saver:** (see below)
- Ringer off:** The unit will answer without ringing.

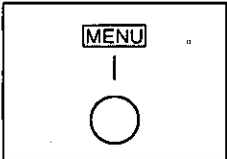
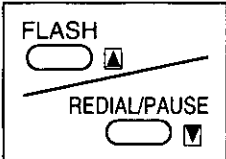
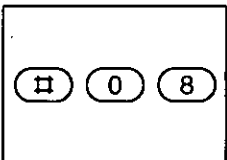
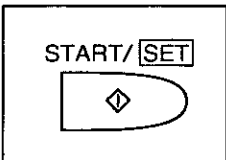
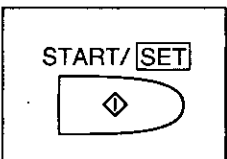
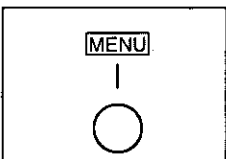
Toll saver:

- When you call the unit from a remote location, the number of rings will tell you if there are any new voice messages or not.
 If the unit answers on the first ring, there is at least one newly recorded message.
 If the unit answers on the third ring, there are no newly recorded messages.
 Hang up immediately when you hear the second ring. The second ring indicates that there are no new messages. This will save you the toll charge for the call.

Helpful hints:

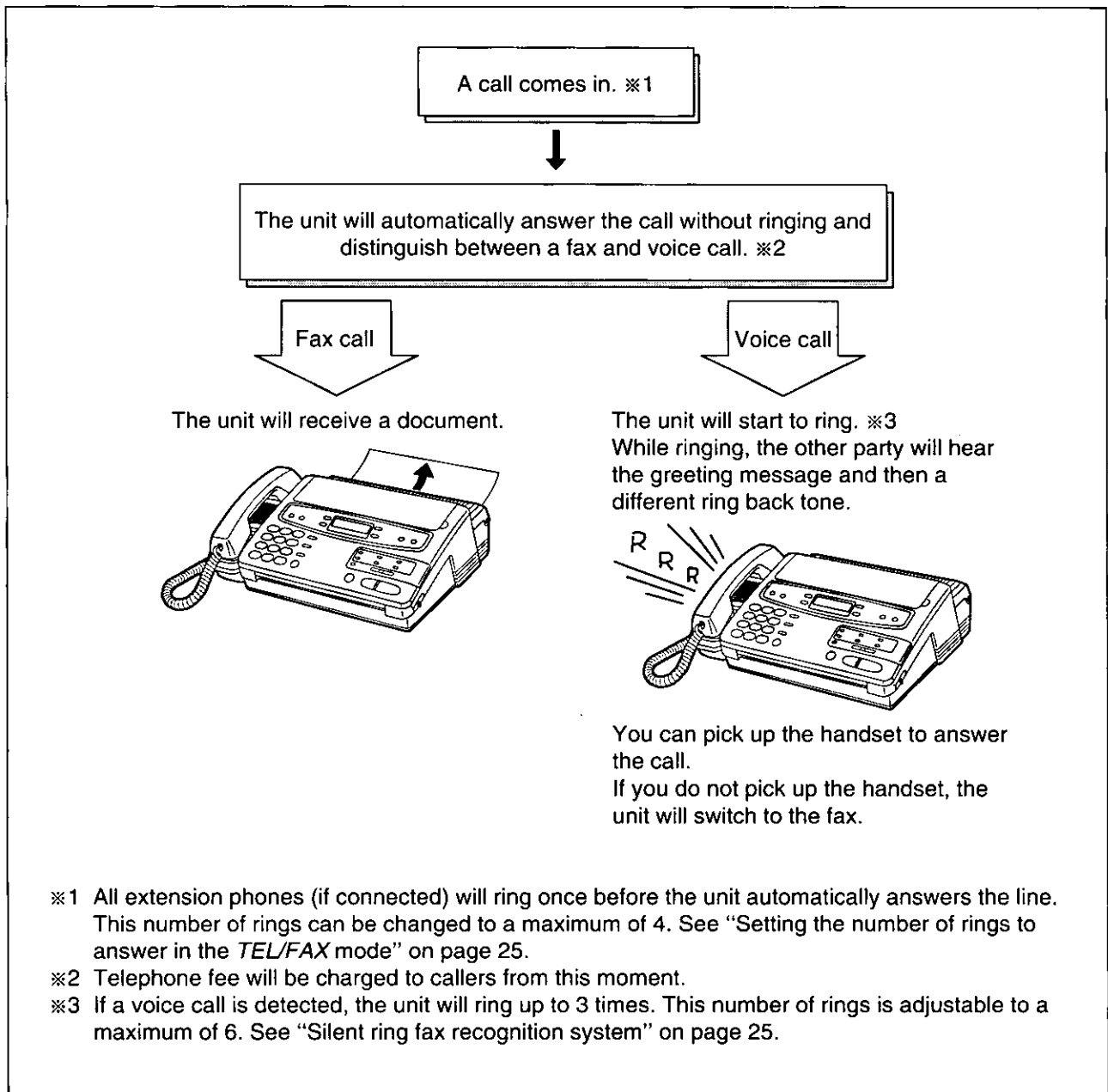
- If you wish to have the opportunity to pick up the handset before the call is answered by the unit, increase the number of rings.
- If you find there is difficulty in fax receiving from machines that have an automatic transmission feature, decrease the number of rings.

To change the setting, proceed as follows:

<p>1</p> 	<p>Press MENU until the following is displayed.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">1.SYSTEM SET UP</div>	<p>4</p> 	<p>Press ▲ or ▼ to select the desired number of rings.</p>
<p>2</p> 	<p>Press #08.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">ANS/FAX RING</div>	<p>5</p> 	<p>Press START/SET to store the setting.</p>
<p>3</p> 	<p>Press START/SET.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">COUNT=1 [▲▼]</div>	<p>6</p> 	<p>Press MENU to end the program.</p>

Receiving in the TEL/FAX mode

When a call comes in, the unit will work as follows.

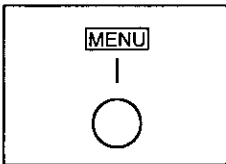
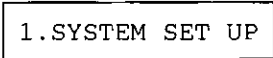
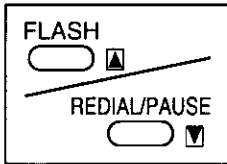
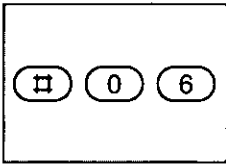

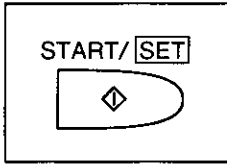
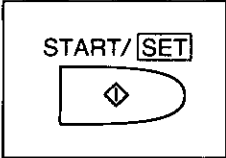
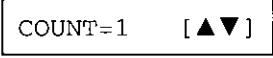
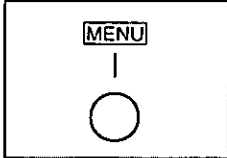


Notes:

- The unit can distinguish between a voice and fax call by detecting the calling tone (CNG), sent by the transmitting fax machines.
Some fax messages that are transmitted manually may not send with a calling tone. These calls must be manually received after the unit rings and the call is answered.
- If you hear the facsimile unit ringing, you can pick up the handset on the facsimile unit or another extension (if connected on the same line) to answer the call.

Setting the number of rings to answer in the TEL/FAX mode

This feature determines the number of rings after which the unit answers a call in the TEL/FAX mode. You can change the number of rings from 1 to 4 rings.

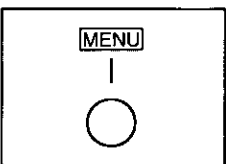
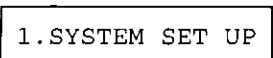
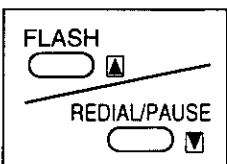
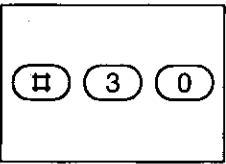
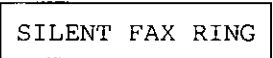
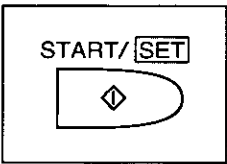
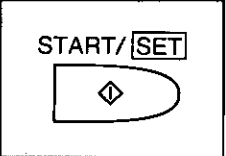
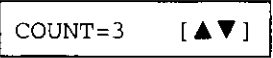
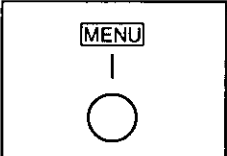
- | | | | |
|---|--|--|---|
| <p>1</p>  | <p>Press MENU until the following is displayed.</p>  | <p>4</p>  | <p>Press ▲ or ▼ to select the desired number of rings (1 to 4).</p> |
| <p>2</p>  | <p>Press #06.</p>  | <p>5</p>  | <p>Press START/SET to store the setting.</p> |
| <p>3</p>  | <p>Press START/SET.</p>  | <p>6</p>  | <p>Press MENU to end the program.</p> |

Note:

- If an extension telephone with a caller ID feature is connected to the same line, set the number of rings to more than 2.

Silent ring fax recognition system

In the TEL/FAX mode, when a fax call is received, the unit will automatically activate the fax function without ringing (we call this "silent ring fax recognition system"). If the unit detects a voice call, it will ring 3 times. This number of rings can be changed to a maximum of 6 by following steps below.

- | | | | |
|---|--|--|---|
| <p>1</p>  | <p>Press MENU until the following is displayed.</p>  | <p>4</p>  | <p>Press ▲ or ▼ to select the desired number of rings (3 to 6).</p> |
| <p>2</p>  | <p>Press #30.</p>  | <p>5</p>  | <p>Press START/SET to store the setting.</p> |
| <p>3</p>  | <p>Press START/SET.</p>  | <p>6</p>  | <p>Press MENU to end the program.</p> |

Receiving in the FAX mode

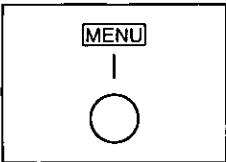
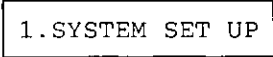
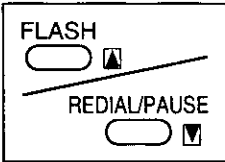
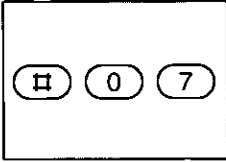

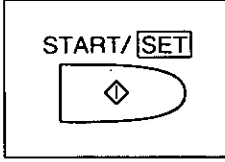
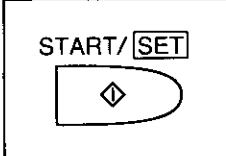
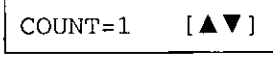
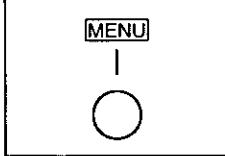
When a call comes in, the unit will automatically answer the line after 1 to 4 rings (user programming) and activate the fax function.

Setting the number of rings to answer in the FAX mode

This feature determines the number of rings after which the unit answers a call in the FAX mode. You can change the number of rings from 1 to 4 rings.

Helpful hints:

- If you wish to have the opportunity to answer a call before the unit does, increase the number of rings.
- If you find there is difficulty in fax receiving from machines that have an automatic transmission feature, decrease the number of rings.

<p>1</p> 	<p>Press MENU until the following is displayed.</p> 	<p>4</p> 	<p>Press ▲ or ▼ to select the desired number of rings (1 to 4).</p>
<p>2</p> 	<p>Press #07.</p> 	<p>5</p> 	<p>Press START/SET to store the setting.</p>
<p>3</p> 	<p>Press START/SET.</p> 	<p>6</p> 	<p>Press MENU to end the program.</p>

Note:

- If an extension telephone with a caller ID feature is connected to the same line, set the number of rings to more than 2.

Memory reception

If the paper runs out or a paper jam occurs during a reception, the unit will temporarily store a continuation of the documents. The stored documents will be printed out automatically after the paper is supplied or the paper jam is cleared.

Concerning the memory capacity for storing documents, see page 3.

Notes:

- If memory becomes full during a reception, the unit will stop receiving documents and the display will show the following message:

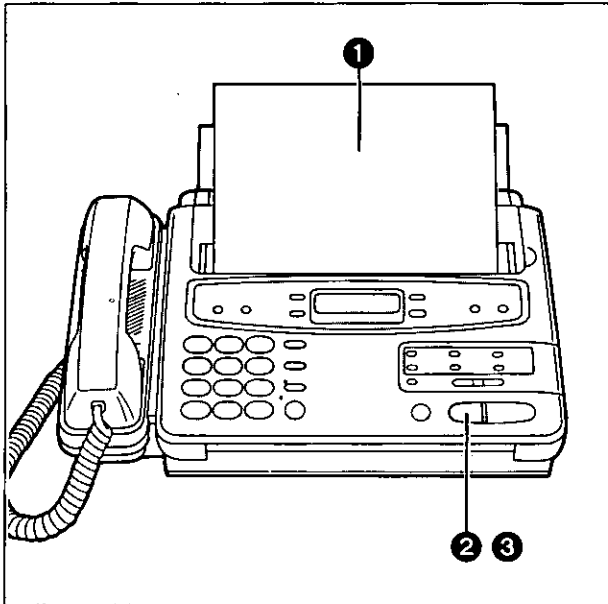
MEMORY FULL

Print the stored documents to clear the memory.

- If the memory reception alert is set to on, the unit will alert you with a slow beep while the unit keeps documents in memory. See page 58.
- If a power failure occurs or the power cord is unplugged, all the stored documents will be kept in memory for about one month by the back-up of the battery installed in the unit.

Making a Copy

The unit can make single or multiple copies (up to 99). Any transmissible document can be copied (see page 18). To make a copy, follow the steps below.



- 1 Insert the documents **FACE DOWN**.
—The unit can accept up to 15 sheets of paper at a time.

- 2 Press **COPY**.

NUMBER=1

—If you need two or more copies, enter the number of copies (up to 99).

- 3 Press **COPY** or **START/SET**.
—The unit will feed the documents, and then start making copies.

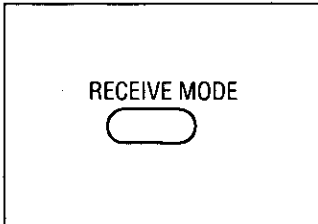
Notes:

- When copying, the unit will automatically select the **FINE** resolution. Depending on the originals, select the desired resolution (see page 19).
- You can make or receive voice calls while making a copy.
- To interrupt a copy, press the **STOP** button. The unit will stop copy operation and eject the documents.

Operating the Answering Device

Setup of voice message and document reception

The unit can save a total of about 9 minutes of voice recordings in memory unless any fax messages are stored in memory. The unit has four memory locations—common memory and three mailbox memories.



To set the unit to record incoming voice messages and receive documents, select **ANS/FAX** mode by pressing **RECEIVE MODE**.

—The display will show the time remaining for recording incoming messages for about 2 seconds.

TIME LEFT=3m50s

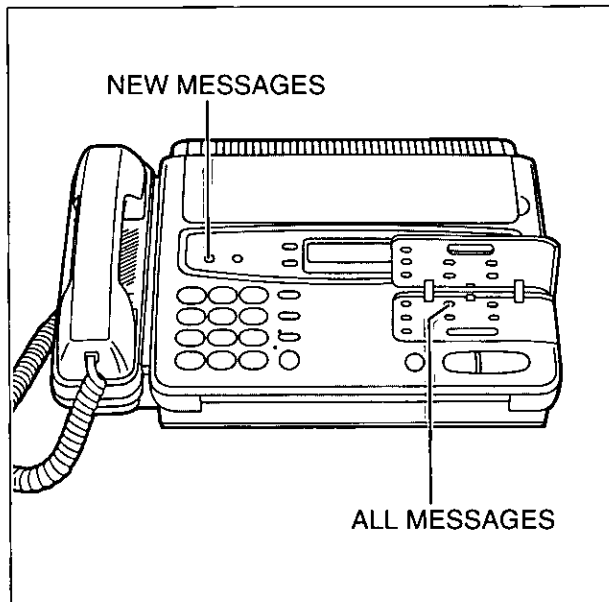
Notes:

- The recording time for incoming messages can be set to "unlimited" (pre-selected setting) or "1 minute". To change the recording time, see page 14.
- When the remaining time is little, erase useless messages from memory (see page 29) or print fax messages stored in memory.

Listening to recorded messages

When new incoming messages have been recorded, the **NEW MESSAGES** indicator will flash and the call counter will show the total number of messages.

If a message alert feature is set to on, the unit will alert the user with a slow beep if a caller's message has been recorded (see page 31).



■ Playing back newly recorded messages:

Press **NEW MESSAGES**.

—The unit will begin to play back new messages.

At the end of the last message, 3 beeps will sound.

■ Playing back all the recorded messages:

Open the station key panel and press **ALL MESSAGES**.

—The unit will begin to play back all the recorded messages.

At the end of the last message, 3 beeps will sound.

During the playback, the display will show the day and time when the message was recorded, along with the recorded order of the message.

MON 12:00AM 01

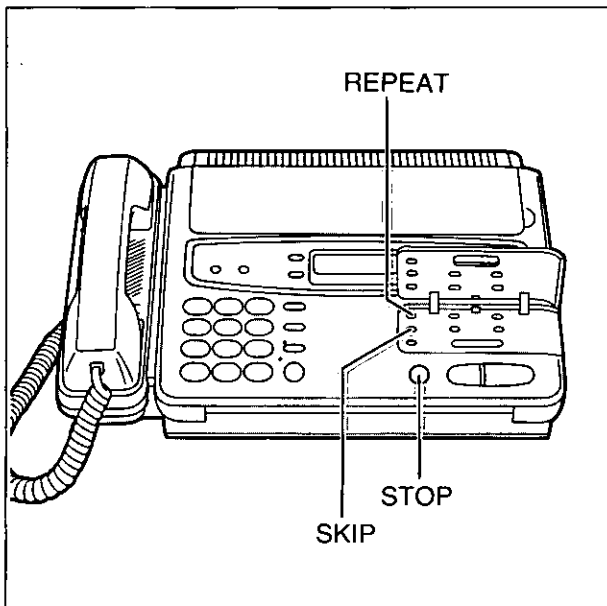
Saving messages:

The unit will save the incoming messages automatically, if the user does not erase them.

Note:

- The time remaining for recording incoming messages will appear on the display for about 2 seconds whenever the station key panel is opened.

Functions during playback



■ **Repeating a message:**

Press **REPEAT** to play back the previous message.

■ **Skipping a message:**

Press **SKIP** to skip to the next message.

■ **Stopping playback:**

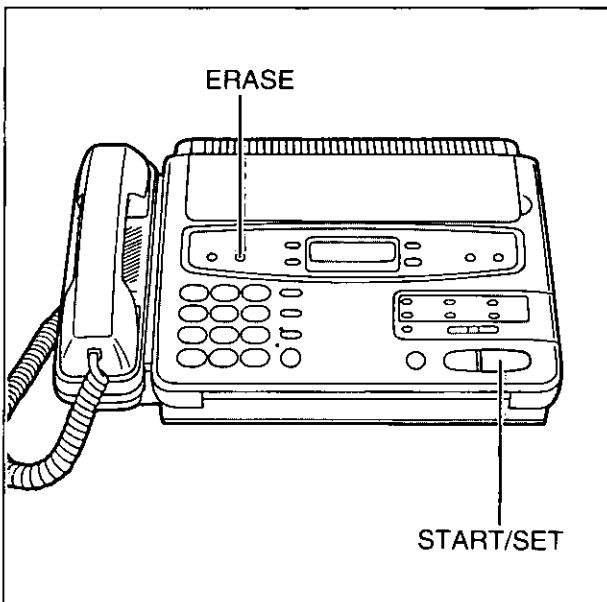
Press **STOP**.

—If you wish to resume playback, press the **NEW MESSAGES** or **ALL MESSAGES** button within 1 minute after pressing the **STOP** button.

Note:

- These functions can be used while recorded messages in a mailbox are being played back (see page 62).

Erasing recorded messages



■ **Erasing a specific message from memory:**

Press **ERASE** while the message you want to erase is being played.

■ **Erasing all messages from memory:**

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

ICM ERASE OK?

2. Press **START/SET** for confirmation.

ERASE COMPLETED

—The unit will erase all the recorded messages in the common memory.

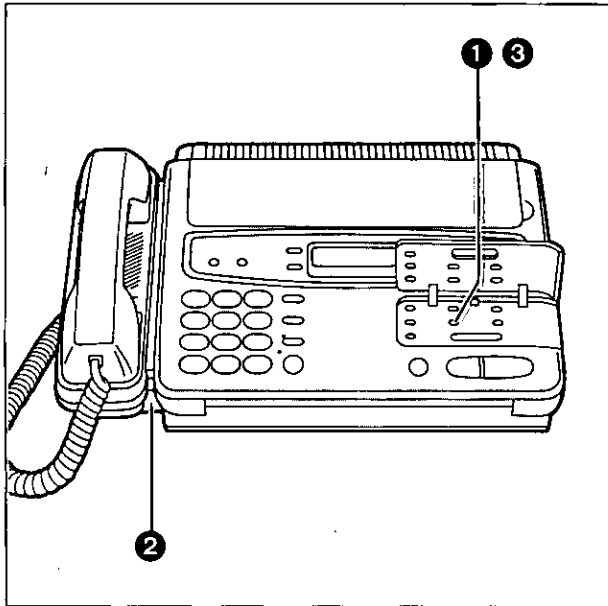
—If this feature is not required, press the **ERASE** button again or the **STOP** button instead of the **START/SET** button.

Note:

- These features can be used for the mailbox feature. To erase messages in a mailbox, you must first select the mailbox by pressing the **MAIL BOX** button (see page 64).

Recording a memo message

If the user is going out and wants to leave a private message for someone, they can record a voice memo in the unit. This can be played back afterward either directly or remotely, exactly like any other messages.



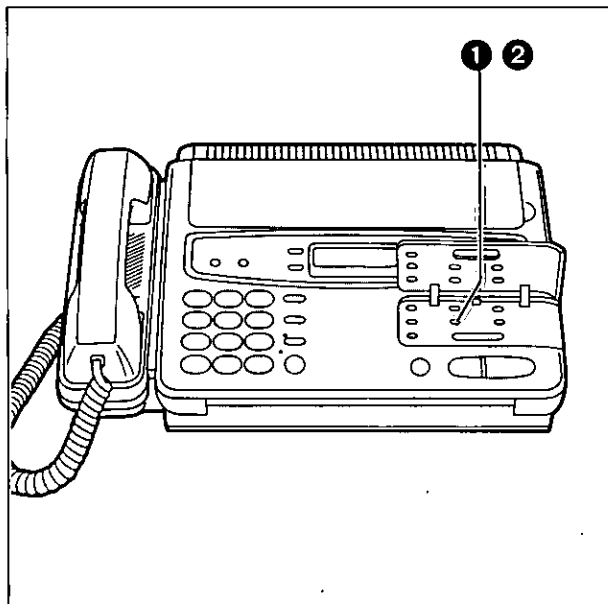
- 1 Open the station key panel, then press **MEMO/2WAY REC**.
- 2 Immediately after the beep, speak clearly and loudly toward the microphone.
- 3 When finished, press **MEMO/2WAY REC** again or **STOP**.
—The call counter on the display will increase by one.

Notes:

- When memory becomes full while recording, the unit will stop recording automatically and 6 beeps will be heard. Erase some or all messages (see page 29).
- This feature can be used for the mailbox feature. To record in a specific mailbox, you must first select the mailbox by pressing the **MAIL BOX** button. Then proceed the above steps.

Recording a telephone conversation

While speaking with someone on the telephone, the conversation can be recorded.



- 1 During the conversation, open the station key panel and press **MEMO/2WAY REC**.

2WAY RECORDING

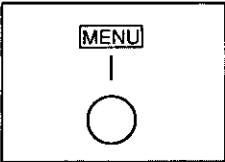
- 2 To stop recording, press **MEMO/2WAY REC** again or **STOP**.
OR
Hang up after the conversation.
—The call counter on the display will increase by one.

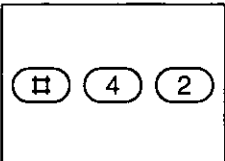
Notes:

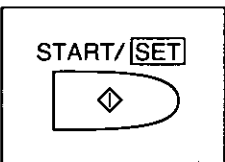
- There may be imposed regulations in your area (state) concerning the manner in which 2-way telephone conversations may be recorded. So you should inform the other party that the conversation is being recorded. Consult your local telephone company for further information.
- This feature can be used for the mailbox feature. To record in a specific mailbox, you must first select the mailbox by pressing the **MAIL BOX** button. Then proceed the above steps.

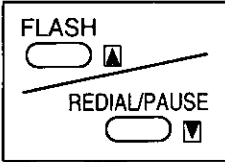
Setting the message alert

When this feature is on, the unit will let you know with a slow beep if a caller's voice message has been recorded in the common memory.

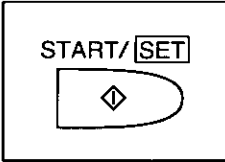
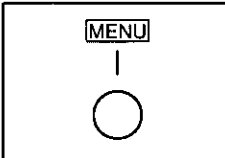
- 1**  Press **MENU** until the following is displayed.

1.SYSTEM SET UP
- 2**  Press **#42**.

MESSAGE ALERT
- 3**  Press **START/SET**.

MODE=OFF [▲▼]
- 4**  Press **▲** or **▼** to select "ON".

MODE=ON [▲▼]

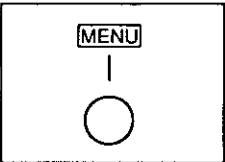
—If this feature is not required, select "OFF".
- 5**  Press **START/SET** to store the setting.
- 6**  Press **MENU** to end the program.

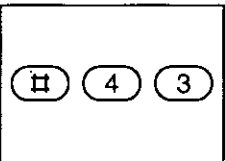
Note:

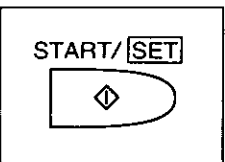
- The feature does not work when an incoming voice message is recorded in the mailbox.

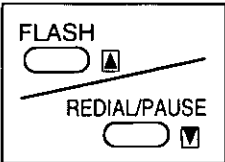
Setting the recording time alert

With this feature, when the remaining time to record incoming messages becomes less than 60 seconds, the unit will alert the user with a slow beep.

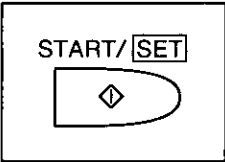
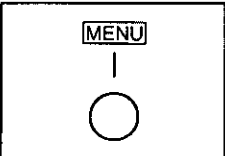
- 1**  Press **MENU** until the following is displayed.

1.SYSTEM SET UP
- 2**  Press **#43**.

REC. TIME ALERT
- 3**  Press **START/SET**.

MODE=OFF [▲▼]
- 4**  Press **▲** or **▼** to select "ON".

MODE=ON [▲▼]

—If this feature is not required, select "OFF".
- 5**  Press **START/SET** to store the setting.
- 6**  Press **MENU** to end the program.

User Programmable Features

The unit has the following programming features.

Basic features are the settings that need to be programmed upon completing the installation. Most probable choices have been pre-selected, but some features, such as codes #01, #02 and #03, must be programmed by user.

Advanced features should be programmed as the need arises.

Programming feature table

Basic features

Code	Feature	Description	Selection	Page
#01	SET DATE & TIME	Setting the current date and time.		36
#02	YOUR LOGO	Setting your company name or personal name.	up to 30 digits	36
#03	YOUR TELEPHONE NUMBER	Setting your facsimile telephone number.	up to 20 digits	37
#04	PRINT TRANSMISSION REPORT	Setting individual transmission report printing.	<u>ERROR/</u> ON/ OFF	37
#05	MEMORY XMT	Setting the memory transmission.	ON/ <u>OFF</u>	42
#06	TEL/FAX DELAYED RING	Setting the number of rings on the extension phone (if connected) before the unit answers a call in the TEL/FAX mode.	<u>1/2/3/4</u>	25
#07	FAX RING COUNT	Setting the number of rings to answer in the FAX mode.	<u>1/2/3/4</u>	26
#08	ANS/FAX RING COUNT	Setting the number of rings to answer in the ANS/FAX mode.	<u>1/2/3/4/</u> TOLL SAVER/ RINGER OFF	23
#09	RECORDING TIME FOR ANS	Setting the recording time for incoming message.	<u>VOX (unlimited)/</u> 1 MIN (1minute)	14
#10	REMOTE ANS ID	Setting the remote control ID for remote operation of the answering device.	1-3 digits <u>(111)</u>	66

Note: In the "Selection" column, the underlined print indicates the pre-selected settings.

Advanced features

Code	Feature	Description	Selection	Page
#21	LOGO POSITION	Setting the logo print position on the transmitted document.	<u>OUT</u> /IN/OFF	55
#22	JOURNAL AUTO PRINT	Printing journal report automatically.	<u>ON</u> /OFF	75
#23	OVERSEAS MODE	Setting the overseas transmission mode.	<u>ON</u> /OFF	55
#24	JUNK MAIL PROHIBITOR	Turning on the junk mail prohibitor feature. Also setting the prohibitor ID.	<u>ON</u> /OFF ID=2 digits (22)	48
#25	DELAYED TRANSMISSION	Setting the delayed transmission.	<u>ON</u> /OFF	41
#30	SILENT FAX RECOGNITION RING	Setting the number of rings when receiving a voice call in the TEL/FAX mode.	<u>3</u> to 6 rings	25
#31	RING DETECTION	Setting the distinctive ring pattern that will be detected.	A/B/C/D/ <u>OFF</u>	53
#40	FAX FORWARDING	Setting the fax forwarding and forwarding facsimile telephone number.	<u>ON</u> /OFF	50
#41	REMOTE FAX ACTIVATION CODE	Setting the remote fax activation code for remote receiving using an extension phone.	up to 4 digits (* <u>*</u>)	47
#42	MESSAGE ALERT	Turning on the message alert.	<u>ON</u> /OFF	31
#43	RECORDING TIME ALERT	Turning on the recording time alert.	<u>ON</u> /OFF	31
#44	RECEIVE ALERT	Setting the memory reception alert.	<u>ON</u> /OFF	56
#46	ORIGINAL SETTING	Setting the contrast mode.	<u>NORMAL</u> / LIGHT/ DARKER	56
#50	MAIL BOX ALERT	Turning on the mailbox alert.	<u>ON</u> /OFF	64
#51	BOX1 PASSWORD	Setting password for mailbox-1.	3 digits (<u>555</u>)	60
#52	BOX2 PASSWORD	Setting password for mailbox-2.	3 digits (<u>555</u>)	60
#53	BOX3 PASSWORD	Setting password for mailbox-3.	3 digits (<u>555</u>)	60
#60	COMMON PAGER	Setting the phone number for common pager.	<u>ON</u> /OFF	70
#61	MAIL BOX1 PAGER	Setting the phone number for mailbox-1 pager.	<u>ON</u> /OFF	70
#62	MAIL BOX2 PAGER	Setting the phone number for mailbox-2 pager.	<u>ON</u> /OFF	70
#63	MAIL BOX3 PAGER	Setting the phone number for mailbox-3 pager.	<u>ON</u> /OFF	70
#80	SET DEFAULT	Resetting the parameters of the advanced features.	YES/ <u>NO</u>	57

Note: In the "Selection" column, the underlined print indicates the pre-selected settings.

How to enter letters and symbols

The dial keypad and direct call station 1 are used as alphabet and symbol character input keys when you enter your logo and station names for automatic dialers.

To enter characters

Pressing each key will alternately select a character as shown below. When the desired character is displayed, press # to move the cursor to the right and enter the next character.

Keys	Number of pressing times												
	1	2	3	4	5	6	7	8	9	10	11	12	13
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	()	<	>	!	"	#	\$	%	&	¥	
⓪	:	;	?		*	@	^	'	→				
✳	◀ key (Used to move the cursor to the left)												
⏪	▶ key (Used to move the cursor to the right)												

For example, when entering "Mike" as your logo:

- ① Press 6 once, then press #.

LOGO=M□

- ② Press 4 six times, then press #.

LOGO=Mi□

- ③ Press 5 five times, then press #.

LOGO=Mik□

- ④ Press 3 five times.

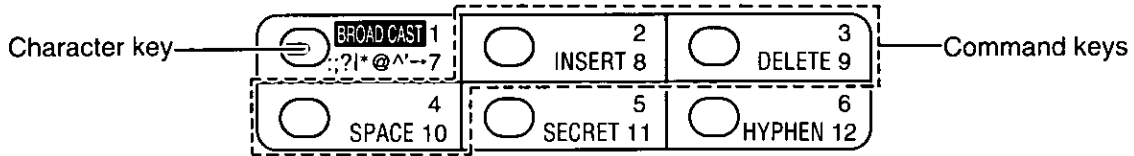
LOGO=Mike

Note:

- If you make a mistake while programming, use # or ✳ to move the cursor to the incorrect character, then make the correction.

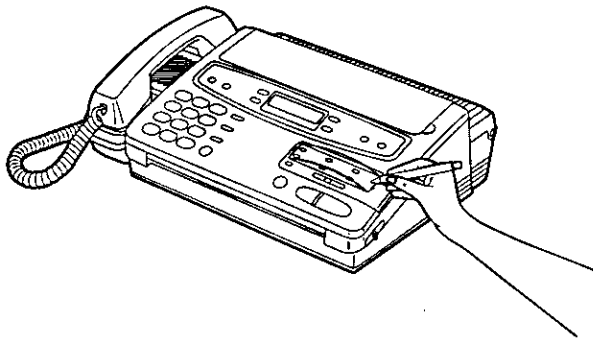
Special uses of the direct call station keys

Direct call stations 2, 3 and 4 are used as command keys.



The layout of the direct call station keys is printed on the reverse side of the directory card.

1. Remove the directory card cover with a pencil or similar object as shown.
2. Turn over the directory card. You will find how each command is assigned to the direct call station keys.



■ Direct call station 2 (INSERT):

This key is used to insert one character (or one space) in the programmed logo.

Example: Compny→Company

1. Press # or * repeatedly until the cursor is positioned on "n".

LOGO=Compny

2. Press **INSERT**.

LOGO=Compny

3. Press 2 repeatedly until "a" is shown.

LOGO=Compāny

■ Direct call station 3 (DELETE):

This key is used to delete one character from the programmed logo.

Example: Comnpany→Company

1. Press # or * repeatedly until the cursor is positioned on "n".

LOGO=Comnpany

2. Press **DELETE**.

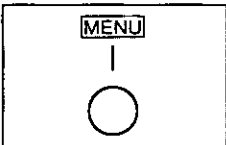
LOGO=Compāny

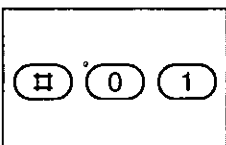
■ Direct call station 4 (SPACE):

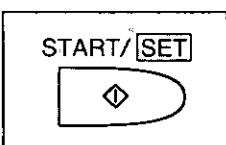
This key is used to replace one character with a space.

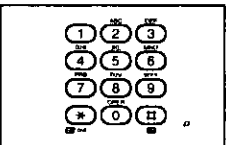
Setting the date and time

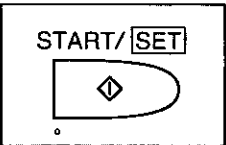
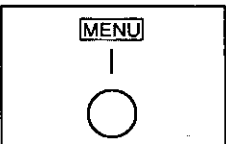
The internal clock of the unit will print the date and time, on the top line of all fax messages you transmit, and on the fax communication reports such as the journal report and the transmission report.

- 1**  Press **MENU** until the following is displayed.

1.SYSTEM SET UP
- 2**  Press **#01**.

SET DATE & TIME
- 3**  Press **START/SET**.

01/01/94 12:00A
- 4**  Enter the current month/day/year/hour/minute by selecting each 2 digits. Then press * for AM or press # for PM.

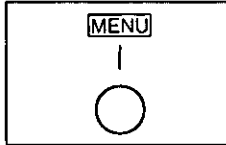
Example:
Aug. 10 1995, 3:00 PM
 Press 08 10 95 03 00,
 then press # to select PM.
- 5**  Press **START/SET** to store the setting.
- 6**  Press **MENU** to end the program.

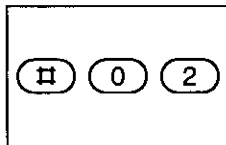
Notes:

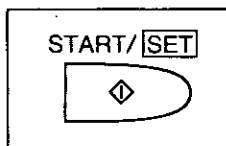
- When you make a mistake while programming, press the STOP button, then make the correction.
- The accuracy of the clock will be approximately ± 45 seconds a month at room temperature.

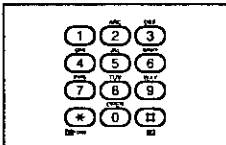
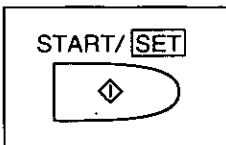
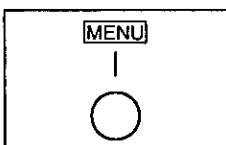
Setting your logo

The logo is used to identify fax messages that are being transmitted by your unit. It may consist of alpha-numeric letters and symbols. Usually the logo is a company, division or personal name in an abbreviated form.

- 1**  Press **MENU** until the following is displayed.

1.SYSTEM SET UP
- 2**  Press **#02**.

YOUR LOGO
- 3**  Press **START/SET**.

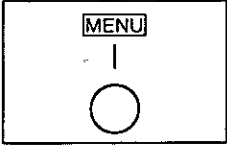
LOGO=
- 4**  Enter your logo up to 30 characters by following the instructions on page 34.
- 5**  Press **START/SET** to store the setting.
- 6**  Press **MENU** to end the program.

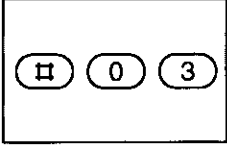
Note:

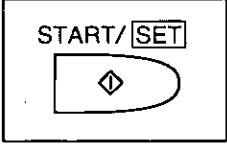
- When the first character is entered, the preset logo will be cleared.


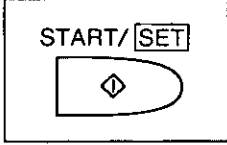
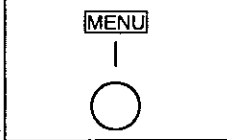
Setting your facsimile telephone number

Your programmed phone number will be printed on the top of each page transmitted from your unit.

- 1**  Press **MENU** until the following is displayed.

1. SYSTEM SET UP
- 2**  Press **#03**.

YOUR TEL NO.
- 3**  Press **START/SET**.

NO. =
- 4**  Enter your facsimile telephone number up to 20 digits.
—The # button provides a space and the * button provides "+".
- 5**  Press **START/SET** to store the setting.
- 6**  Press **MENU** to end the program.

Setting the transmission report printing

Each time a document is transmitted, this feature will give you a printed record of the transmission.

The following choices are available:

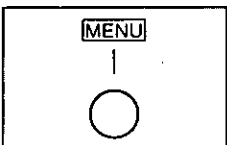
ERROR: The report will be printed out only when the transmission fails.

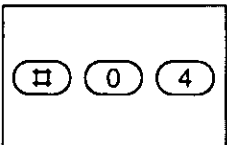
ON: The report will be printed out, indicating whether the transmission is successful or not.

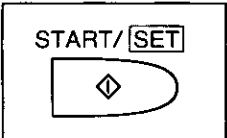
OFF: The report will not be printed out.

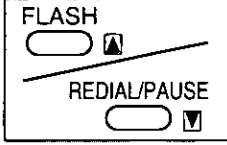
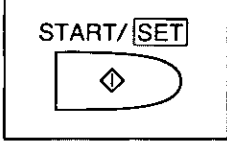
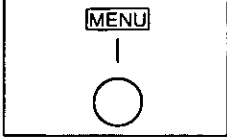
Sample of transmission report:

[XMT REPORT]						
						Jan. 01 1994 12:09AM
NO.	OTHER FACSIMILE	START TIME	USAGE TIME	MODE	PAGES	RESULT
01	COMPANY ABC	Jan. 01 12:08AM	01'05	TX	01	OK

- 1**  Press **MENU** until the following is displayed.

1. SYSTEM SET UP
- 2**  Press **#04**.

TX-REPORT MODE
- 3**  Press **START/SET**.

MODE=ERROR [▲▼]
- 4**  Press **▲** or **▼** to select the desired mode.
- 5**  Press **START/SET** to store the setting.
- 6**  Press **MENU** to end the program.

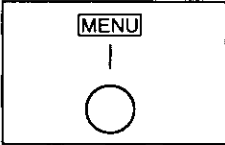
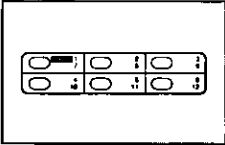
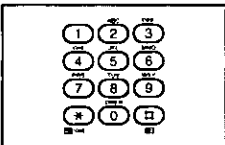

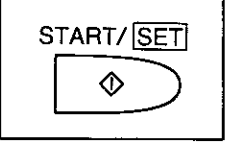

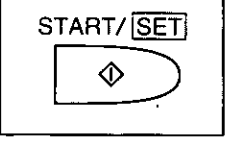
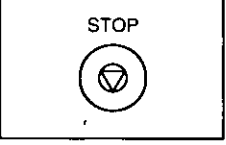
Storing Phone Numbers for Automatic Dialing

The unit's memory allows you to use both one-touch dialing (up to 12 phone numbers) and speed dialing (up to 48 phone numbers) for rapid access to your most frequently dialed numbers.

One-touch dialing: The unit is equipped with 6 direct call station keys including the BROADCAST key (see page 45), each of which is divided into an upper station and a lower station.

Speed dialing: The unit is equipped with additional 48 dialing stations. These stations are assigned to 2-digit numbers (00–47).

To store phone numbers into memory, proceed as follows.

<p>1</p>		<p>Press MENU until the following is displayed.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">2. STORE TEL NO.</div>			
<p>2-a For one-touch dialing:</p>		<p>Programming with upper stations 1 to 6: Press one of the direct call station keys.</p>	<p>—If you select direct call station 1, select “DIAL MODE” by pressing ▲ or ▼, then press the START/SET button to get next prompt.</p>	<p>OR</p>	<p>Programming with lower stations 7 to 12: Press LOWER, then press one of the direct call station keys.</p>
<p>2-b For speed dialing:</p>		<p>Press #, then press a 2-digit number (00–47).</p>	<p>3</p> 	<p>Enter a phone number up to 30 digits in length.</p>	
<p>4</p>		<p>Press START/SET to store the number.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">NAME=</div>	<p>5</p> 	<p>Enter the station name (up to 10 alpha-numeric characters) by following the instructions on page 34.</p>	
<p>6</p>		<p>Press START/SET to store the station name. —To program other stations, repeat from step 2.</p>	<p>7</p> 	<p>Press STOP to end the program.</p>	

Notes:

- To enter a hyphen in a phone number, press direct call station 6. A hyphen is counted as 2 digits.
- If you make a mistake while programming, press the STOP button, then make the correction.
- To erase a programmed phone number in step 3, press the STOP button when the cursor is positioned on the beginning of the number.
- Confirm that phone numbers and their station names have been correctly stored by printing the telephone number list (see page 72).
- When you wish a phone number not to appear on the display and the telephone number list, you can keep a whole or a portion of the number secret. Press the SECRET (direct call station 5) button before and behind the phone number you wish to secret. Pressing the SECRET button once counts as two digits.

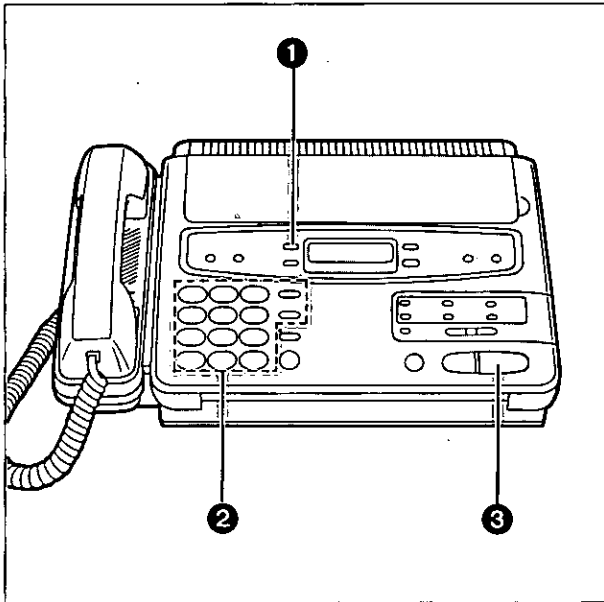
Electronic Telephone Directory

The station names stored in memory for automatic dialing will be automatically registered in the electronic telephone directory in alphabetical order.

With the electronic telephone directory feature, you can make a fax or voice call by selecting the desired station name on the display.

How to use the electronic telephone directory

To search a station name and make a voice or fax call, proceed as follows.
If you wish to send a fax, insert the documents into the document feeder first.



- 1 Press **DIRECTORY**.

SELECT INDEX

- 2 ■ Press a dial key to which the initial of a station name is assigned (see Index table).

Example: To search a name with the initial "N"

Press **6** repeatedly until the first station name with the initial "N" is displayed and press **▼** until the desired name is displayed.

OR

- Press **▲** or **▼** repeatedly until the desired name is displayed.

- 3 Press **START/SET**.

- The unit will start dialing.
- If a document has been fed into the unit, the transmission will start.

Index table

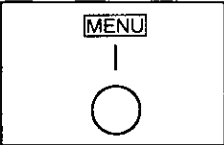
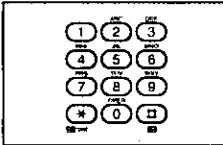
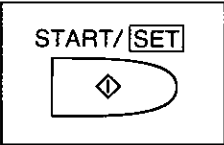
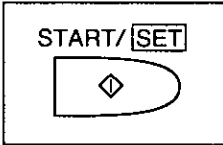
Dial key	Index	Dial key	Index
1	1	7	P, Q, R, S, 7
2	A, B, C, 2	8	T, U, V, 8
3	D, E, F, 3	9	W, X, Y, Z, 9
4	G, H, I, 4	0	0
5	J, K, L, 5	*	Other symbols
6	M, N, O, 6	#	(Used for speed dialing. See pages 16 and 21.)

Polling

Polling means that you call another facsimile machine to retrieve a document. On the other hand, the documents loaded on your unit can be retrieved only at the request of the calling machines (we call this "Polled" mode).

Polling reception

Make sure that no documents have been fed into your unit and that the other party's machine is ready for your call.

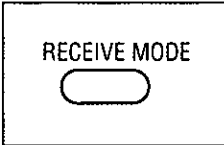
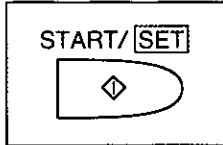
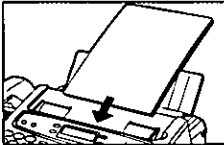
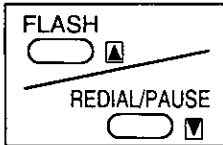
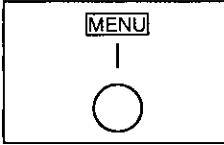
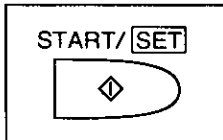
- | | | | |
|---|---|--|---|
| <p>1</p>  | <p>Press MENU until the following is displayed.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">4 . POLLING</div> | <p>3</p>  | <p>Enter the phone number by using one-touch dialing, speed dialing or a full number.</p> |
| <p>2</p>  | <p>Press START/SET.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">NO. =</div> | <p>4</p>  | <p>Press START/SET.</p> <p>—When using speed dialing, press START/SET again.</p> <p>—The unit will start polling.</p> |

Notes:

- The receiving unit will incur any telephone charges.
- If there is no answer or the line is busy, the unit will automatically redial the number (see item 7 on page 83).

Polling transmission (Polled)

To let other machines retrieve documents loaded on your unit, proceed as follows.

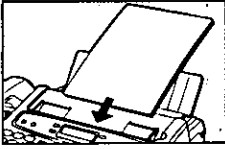
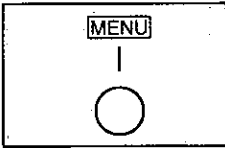
- | | | | |
|---|--|--|--|
| <p>1</p>  | <p>Set the unit in the ANS/FAX, TEL/FAX or FAX mode by pressing RECEIVE MODE.</p> | <p>4</p>  | <p>Press START/SET.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">MODE=OFF [▲▼]</div> |
| <p>2</p>  | <p>Insert the documents FACE DOWN.</p> | <p>5</p>  | <p>Press ▲ or ▼ to select "ON".</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">MODE=ON [▲▼]</div> <p>—If this feature is not required, select "OFF".</p> |
| <p>3</p>  | <p>Press MENU until the following is displayed.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">5 . POLLED</div> | <p>6</p>  | <p>Press START/SET.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;">POLLED ON</div> |

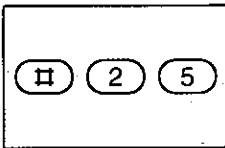
Notes:

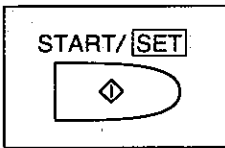
- Only one polling transmission setting is available.
- When delayed transmission (see page 41) is set to ON, this feature is not available.

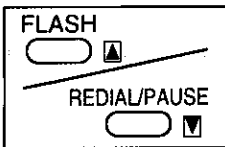
Delayed Transmission

Using a built-in clock, this unit can send documents automatically at a specific time. This allows you to take advantage of low-cost calling hours given by some telephone companies. The delayed transmission can be reserved to take place up to 24 hours.


- 1**  Insert the documents **FACE DOWN**.
- 2**  Press **MENU** until the following is displayed.

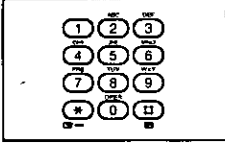
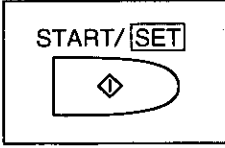
1. SYSTEM SET UP
- 3**  Press **#25**.

DELAYED XMT
- 4**  Press **START/SET**.

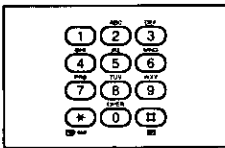
MODE=OFF [▲▼]
- 5**  Press ▲ or ▼ to select "ON".

MODE=ON [▲▼]

—If this feature is not required, select "OFF".
- 6**  Press **START/SET**.

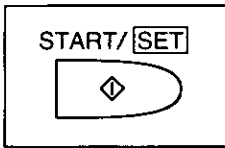
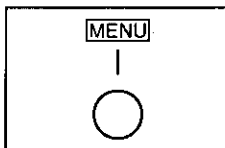
NO. =
- 7**  Enter the phone number using one-touch dialing, speed dialing or a full number.
- 8**  Press **START/SET** to store the number.

—When using speed dialing, press START/SET again.

TIME=12:00AM
- 9**  Enter the transmission start time.

Example: 11:00PM

Press **1100**, then press # to select PM.

—To select AM, press *.
- 10**  Press **START/SET** to store the setting.
- 11**  Press **MENU** to end the program.

—When the programmed time has come, the unit will automatically start transmission.

Notes:

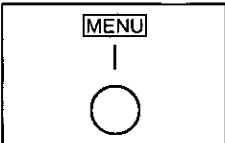
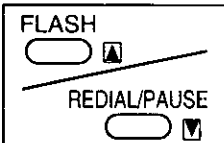
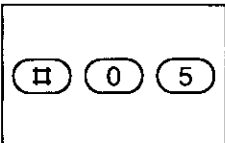
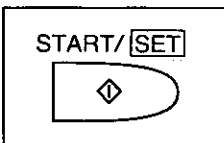
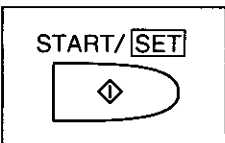
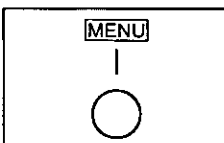
- You can use the electronic telephone directory to enter the phone number in step 7 (see page 39).
- If there is no answer or the line is busy, the unit will automatically redial the number (see item 7 on page 83).
- If direct call station 1 is used as a BROADCAST key, it will not be available in step 7.
- You can receive and copy documents while the delayed transmission is set. To copy documents, remove documents from the tray and replace them when you have finished.
- If the programmed start time has passed during a power failure, delayed transmission will be attempted soon after the power is restored.
- When polling transmission feature (see page 40) is set to ON, this feature is not available.

Memory Transmission

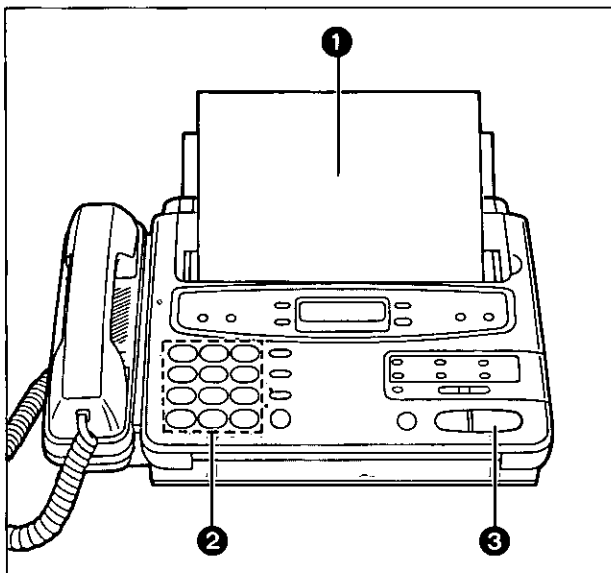
The unit will be able to scan and store the documents into memory, and the unit will transmit the stored documents.

Concerning the memory capacity for storing documents, see page 3.

Setting the memory transmission

<p>1</p> 	<p>Press MENU until the following is displayed.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">1.SYSTEM SET UP</div>	<p>4</p> 	<p>Press ▲ or ▼ to select "ON".</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">MODE=ON [▲▼]</div> <p>—If this feature is not required, select "OFF".</p>
<p>2</p> 	<p>Press #05.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">MEMORY XMT</div>	<p>5</p> 	<p>Press START/SET to store the setting.</p>
<p>3</p> 	<p>Press START/SET.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">MODE=OFF [▲▼]</div>	<p>6</p> 	<p>Press MENU to end the program.</p>

Transmitting the stored documents



- 1** Insert the documents **FACE DOWN** until a beep tone is heard.
- 2** Enter the phone number by using one-touch dialing, speed dialing or a full number.
 - You can use the electronic telephone directory (see page 39).
- 3** When entering a full number, press **START/SET**.
 - The documents will be fed into the unit and scanned into memory. After storing all pages, the unit will transmit the documents.
 - The amount of memory used will be shown as a percentage on the display.

PAGES=01 05

Amount of memory used

Notes:

- If there is no answer or the line is busy, the unit will automatically redial the number (see item 7 on page 83).
- The stored documents will be automatically erased after transmission.
- To cancel the memory transmission, press the **STOP** button while or after scanning documents.
- If you select the fine, super fine or halftone resolution, the number of documents that the unit can transmit will be decreased.

Memory polling transmission

When the memory transmission feature (see page 42) is set to on, polling transmission can be performed after your documents are stored into memory.

Operation:

—Perform the same operation explained in “Polling transmission (polled)” on page 40.

When the START/SET button is pressed in step 6, the documents will be fed into the unit and stored into memory.

Note:

- The stored document will not be erased automatically after transmission.

To erase the stored document or cancel the polling transmission, proceed as follows:

1. Press **STOP** during idle status.

CANCEL POLLED

2. Press **START/SET**.

=YES [▲▼]

3. Press **▲** or **▼** to select “YES”.

—If you continue the polling transmission, select “NO”.

4. Press **START/SET**.

Memory delayed transmission

When the memory transmission feature (see page 42) is set to on, you can store documents for later transmission using delayed transmission.

With this feature, up to 3 delayed transmissions can be reserved at a time.

The stored documents will be erased automatically after transmission.

Operation:

—Perform the same operation on page 41.

When the START/SET button is pressed in step 10, the unit will feed the document to store it into memory and the reservation number will be displayed.

RSV. NO.=2

Notes:

- The reservation number will be numbered consecutively with that of the transmission reservation.
- You can confirm the reservation number by printing out a reservation list (see page 72).
- If a power failure occurs prior to completing transmission, delayed transmission will be attempted when power is restored regardless of the time. Please note that this may cause transmission to occur at the time when phone rates are higher than anticipated.

To cancel the delayed transmission, proceed as follows:

1. Press **STOP** during idle status.

CANCEL XMT

2. Press **START/SET**.

RSV. NO.=1 [▲▼]

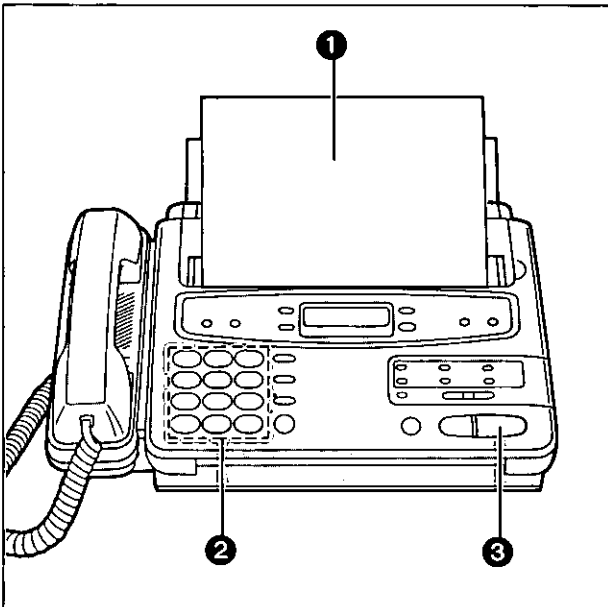
3. Press **▲** or **▼** to select the reservation number of the stored document you wish to cancel.

4. Press **START/SET**.

Reserving Transmission

Reserving transmission during fax reception

While the unit is receiving documents from one station, you can reserve transmission to another station. The unit will transmit documents automatically after the fax reception.



- ❶ Insert the documents **FACE DOWN** during fax reception.
- ❷ Enter the phone number by using one-touch dialing, speed dialing or a full number.
- ❸ Press **START/SET**.
—The reservation number will be displayed.

RSV. NO.=1

—Then the display will show as follows.

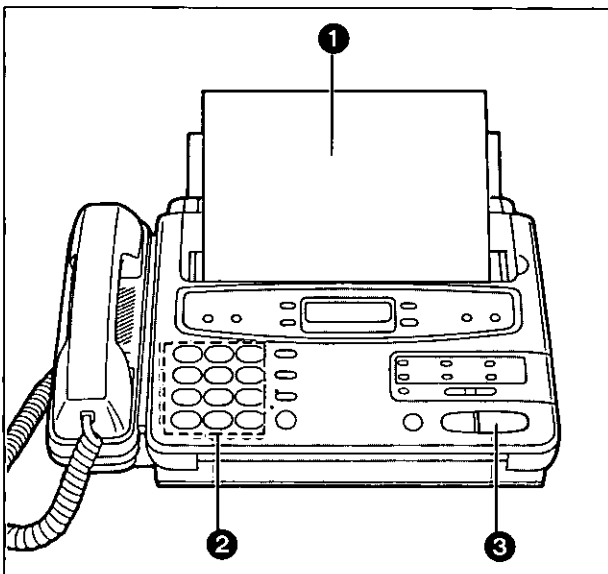
XMT RSV. ON

Notes:

- You can use the electronic telephone directory (see page 39) when entering the phone number in step 2.
- To cancel the reservation, remove the documents in the document feeder tray.

Reserving transmission using memory transmission

When the memory transmission feature (page 42) is set to on, up to 3 transmissions can be reserved in memory. This feature is available in the status of waiting redialing of a memory transmission.



- ❶ Insert the documents **FACE DOWN** while waiting for redialing.
- ❷ Enter the phone number by using one-touch dialing, speed dialing or a full number.
- ❸ Press **START/SET**.
—The unit will feed the document and store it into memory. Then the reservation number will be displayed.

RSV. NO.=1

—The display will show the following message:

XMT RSV. ON

—The unit will initiate fax transmission after memory transmission has finished.
To cancel the reserved transmission, press the **STOP** button when the transmission you wish to cancel begins.

Notes:

- The reservation number will be numbered consecutively with that of the memory delayed transmission.
- When receiving or transmitting documents, the documents to be reserved will not be stored in memory. After current transaction, the unit will transmit the documents from the document feeder.

Multistation Transmission Using a BROAD CAST Key

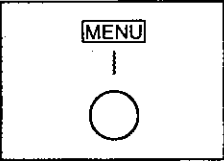
The BROAD CAST key (direct call station 1) is used to program and store more than one station (multistation transmission), as well as a phone number in a direct call station key. This is very useful when frequently sending the same documents to fixed parties.

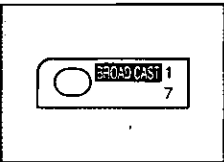
Before programming, make sure that the desired phone numbers have been stored into the direct call stations or speed dial stations (see page 38).

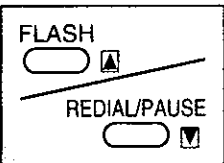
The BROAD CAST key can also be used as direct call station 1, but cannot be used for two purposes. If direct call station 1 has already been used for a phone number, it cannot be used as the BROAD CAST key.

Programming the BROAD CAST key with phone numbers

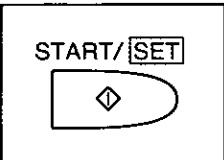
Multistation transmission is performed by using the direct call stations or speed dial stations. Before starting programming, make sure that the desired phone numbers have been stored into the direct call stations or speed dial stations (see page 38).

- 1**  Press **MENU** until the following is displayed.

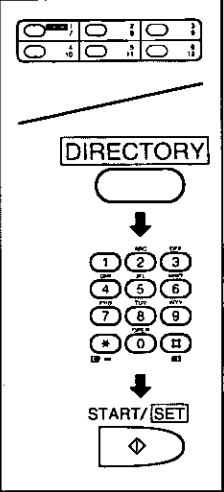
2. STORE TEL NO.
- 2**  Press **BROAD CAST**.

DIAL MODE [▲▼]
- 3**  Press **▲** or **▼** to select "PROG. MODE".

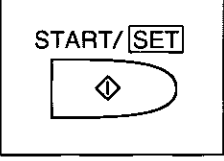
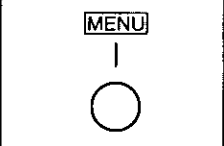
PROG. MODE [▲▼]

—If you use this key as a direct call station key, select "DIAL MODE".
- 4**  Press **START/SET**.

NO. = [01]

- 5**  Enter the phone number

 - For using the direct call station keys, press the desired one.
 - For using the speed dial stations, press **DIRECTORY**, #, the desired 2-digit number and **START/SET**.

—To enter other phone numbers, repeat this step (up to 59 stations).
- 6**  Press **START/SET** after entering all the desired phone numbers.
- 7**  Press **MENU** to end the program.

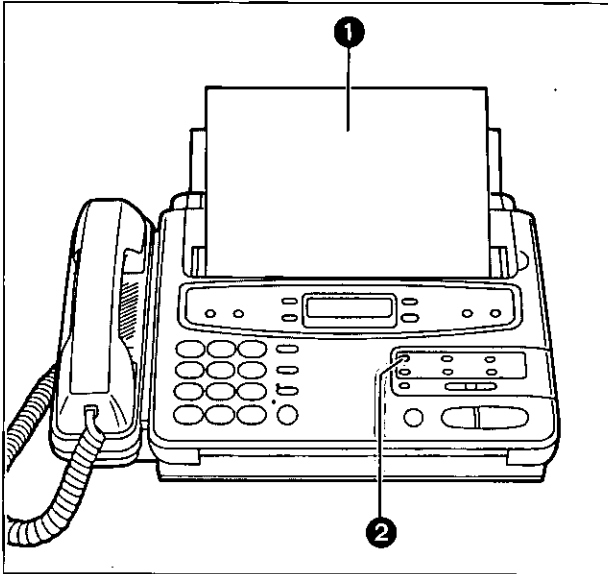
Notes:

- If you make a mistake while programming, press the STOP button, then make the correction.
- Confirm that you have correctly stored your programming by printing the telephone number list (see page 72).
- If direct call station 1 is used for delayed transmission, fax forwarding or waiting for redialing, you cannot change the setting from "DIAL MODE" (for one-touch dialing) to "PROG. MODE" (for broadcast feature).

Transmission using the BROADCAST key

The documents will be scanned and stored into memory when using the BROADCAST key. After transmission, the stored documents will be erased automatically.

Concerning the memory capacity for storing documents, see page 3.



- 1 Insert the documents FACE DOWN.
- 2 Press **BROADCAST**.
—The documents will be fed into the unit and scanned into memory. And then the unit will transmit the data to each station, calling each number sequentially, one after another.

Canceling the broadcast setting:

1. Press **STOP**.

CANCEL BROAD.

2. Press **START/SET**.

=YES [▲▼]

3. Press ▲ or ▼ to select "YES".
—If you continue the broadcast setting, select "NO".
4. Press **START/SET**.

Notes:

- If you select the fine, super fine or halftone resolution, the number of documents that the unit can transmit will be decreased.
- A multitransmission report will be printed out after the transmission. This report will show the result. See below.
- If one of the stations is busy or does not answer, the station has been skipped, and the unit will automatically dial the next selected station. All skipped stations will be redialed after all other stations have been called. See item 7 on page 83.

Multitransmission report

After all the transmissions have been completed, the unit will automatically print the following report.

Sample of the multitransmission report:

[MULTI TRANSMISSION REPORT]					
Jan. 01 1994 12:38AM					
NO.	OTHER FACSIMILE	START TIME	USAGE TIME	TX PAGES	RESULT
01	MAIN OFFICE	Aug. 10 03:31PM	00'42	00	NO RESPONSE
02	MARY	Aug. 10 03:33PM	00'41	00	NO RESPONSE
03	Quasar	Aug. 10 03:34PM	00'42	00	NO RESPONSE
04	Anthony	Aug. 10 03:35PM	00'41	00	NO RESPONSE
TOTAL			02'46	00.	
RESULT : NO RESPONSE << POSSIBILITY OF REASON >> 1. RECEIVING FAX BUSY. 2. RECEIVING FAX OUT OF PAPER. 3. POWER FAILURE OR OTHERS.					

Remote Fax Receiving Using an Extension Phone

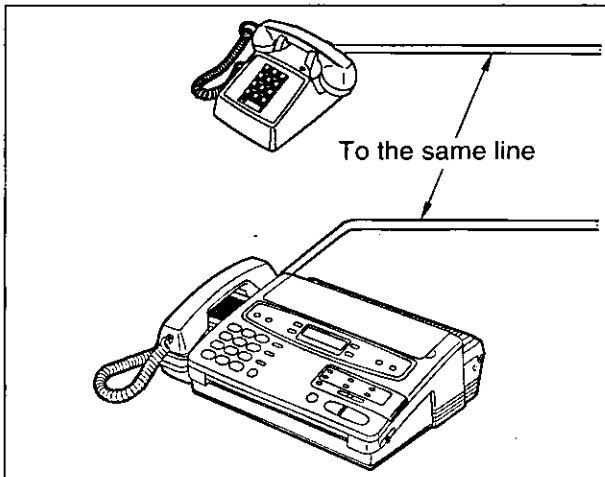
If you have an extension phone connected to the same line, it is possible to receive a fax message into your facsimile unit by using a touch tone extension phone.

This saves you the trouble of going to the facsimile unit and pressing the START button.

Important:

- This feature is available when you receive a call.
- To activate this feature, use a touch tone telephone as an extension phone and dial the remote fax activation code. The remote fax activation code is set to “**” as a pre-selected setting.

Using an extension phone



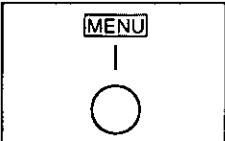
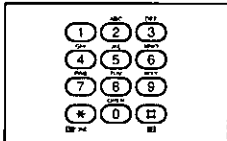
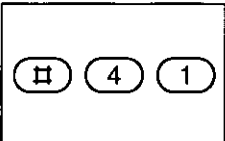
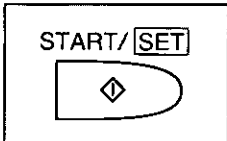
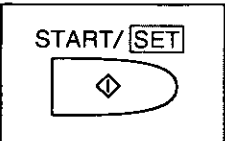
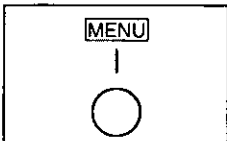
- 1 When a call comes in, lift the handset of the extension phone.
- 2 If a slow beep is heard, or the other party wishes to send you a fax, press the remote fax activation code.
- 3 Replace the handset on the cradle. —The facsimile unit will activate the fax function to receive documents.

Note:

- The number of the remote fax activation code can be changed to another one. See below.

Changing the remote fax activation code

Your code can be from 1 to 4 digits long. The numbers 0 through 9 and character * may be used. (e.g. **, 123, 123*)

<p>1</p> 	<p>Press MENU until the following is displayed.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">1. SYSTEM SET UP</div>	<p>4</p> 	<p>Enter the new code number.</p>
<p>2</p> 	<p>Press #41.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">REMOTE FAX ACT.</div>	<p>5</p> 	<p>Press START/SET to store the number.</p>
<p>3</p> 	<p>Press START/SET.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">CODE=**</div>	<p>6</p> 	<p>Press MENU to end the program.</p>

Note:

- If the remote fax activation code is set to “0000”, the unit does not work properly.

Junk Mail Prohibitor

This feature is effective to prevent fax receptions from unauthorized stations.

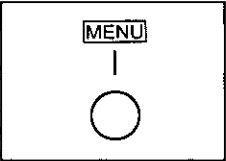
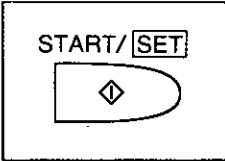
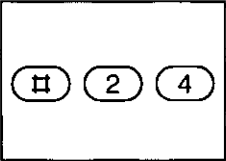
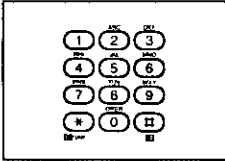
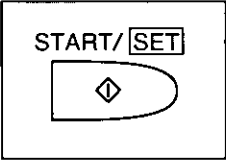
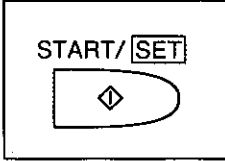
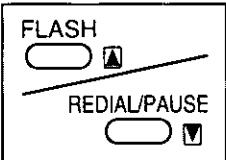
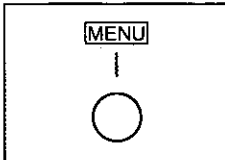
With this feature, the unit can receive documents only from the stations whose phone numbers are stored for automatic dialing.

If you wish to receive documents from other stations, advise the caller to call your unit manually and enter your prohibitor ID (see page 49) before initiating transmission.

Important:

- To activate this feature, set the unit in the ANS/FAX, TEL/FAX or FAX mode and let the unit receive documents automatically.
- When in the ANS/FAX or TEL/FAX mode, transmission using the prohibitor ID is available (see page 49).
- When manual reception is used, the documents from any transmitting station will be received.
- If the transmitting machines have not been programmed with their facsimile telephone numbers, the unit will not be able to receive documents automatically.

Setting the junk mail prohibitor

<p>1</p> 	<p>Press MENU until the following is displayed.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">1. SYSTEM SET UP</div>	<p>5</p> 	<p>Press START/SET to store the setting.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">ID=22</div>
<p>2</p> 	<p>Press #24.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">JUNK MAIL PROH.</div>	<p>6</p> 	<p>If you wish to change the junk mail prohibitor ID, enter the desired 2-digit number. —0, # and * cannot be used.</p>
<p>3</p> 	<p>Press START/SET.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">MODE=OFF [▲▼]</div>	<p>7</p> 	<p>Press START/SET to store the number.</p>
<p>4</p> 	<p>Press ▲ or ▼ to select "ON".</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">MODE=ON [▲▼]</div> <p>—If this feature is not required, select "OFF".</p>	<p>8</p> 	<p>Press MENU to end the program.</p>

Note:

- The junk mail prohibitor ID must be different from the first 2 digits of the remote ANS ID (see page 66). For example, if the remote ANS ID is set to "321", do not use "32" as a junk mail prohibitor ID.

Transmitting documents to your unit with the prohibitor ID _____

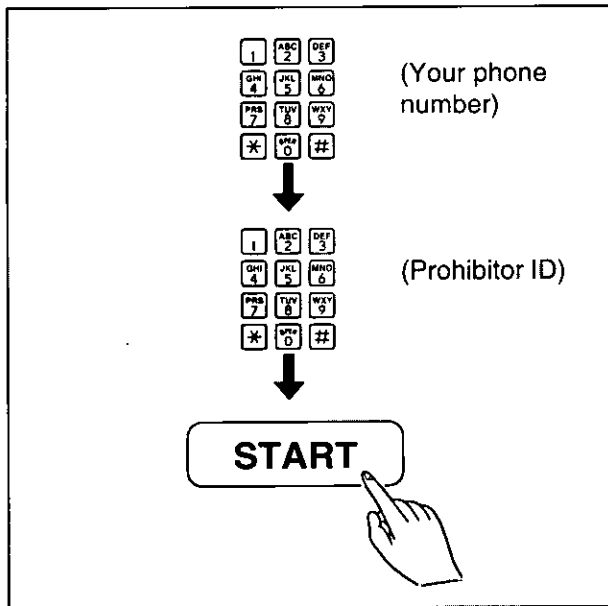
If the junk mail prohibitor feature is activated, automatic fax reception from unauthorized stations will not be available. However, in this instance, a caller can transmit documents to your unit manually by entering the prohibitor ID.

Issue the prohibitor ID to callers with priority status.

Important:

- Transmission with the prohibitor ID is activated when your unit is in the **ANS/FAX** or **TEL/FAX** mode.

Instructions for caller:



- 1 A caller may call your unit.
 - 2 ■ **When your unit is in the ANS/FAX mode:**
They may enter the prohibitor ID while the greeting message is being played or during an incoming message recording mode.
- OR
- 2 ■ **When your unit is in the TEL/FAX mode:**
They may enter the prohibitor ID while the different ring back tone is heard.
 - 3 When a fax tone is heard, they may press their start or transmit button to start the fax transmission.

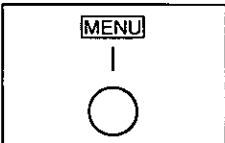
Forwarding Received Documents

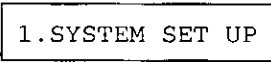
Once you turn this feature on, your unit will store the received documents into memory, and transmit them automatically to another specified facsimile machine successively. After forwarding, the documents stored into memory will be erased. If the unit is unable to forward the documents, they will remain in memory, and they can be manually retrieved.

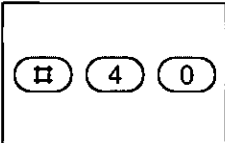
Concerning the memory capacity for storing documents, see page 3.

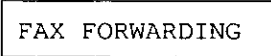
Important:

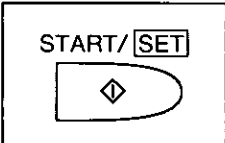
- The fax forwarding feature can be turned on when the receiving mode is set to the ANS/FAX, TEL/FAX or FAX mode.
- Documents received in the mailbox are not forwarded.


1  Press **MENU** until the following is displayed.

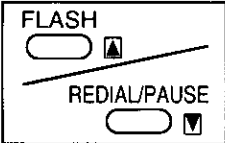


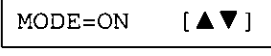
2  Press **#40**.




3  Press **START/SET**.




4  Press **▲** or **▼** to select "ON".




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

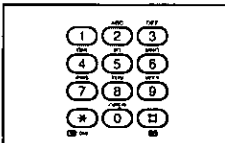
5  Press **START/SET**.

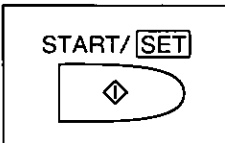


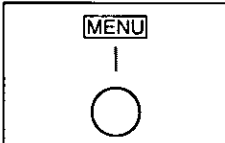
—If the receive mode is set to *TEL*, the following message will be displayed;




Press **RECEIVE MODE** to set to *ANS/FAX*, *TEL/FAX* or *FAX*.

6  Enter the phone number of the receiving unit (up to 30 digits).
—You can use the automatic dialer.

7  Press **START/SET** to store the setting.

8  Press **MENU** to end the program.



Notes:

- If there is no answer or the line is busy, the unit will automatically redial the forwarding number. See item 7 on page 83.
- If memory becomes full while receiving, the unit will stop receiving documents. And then, the unit will start forwarding the stored documents. If this occurs, "MEMORY FULL" will be printed at the bottom of the last page forwarded.
- This feature can be turned on or off from a remote location. See page 52.

Fax forwarding report

After forwarding documents, the unit will automatically print the following report.

Sample of the fax forwarding report:

[FAX FORWARDING REPORT]			
Jan. 01 1994 12:35AM			
- RECEIVED BY -	START TIME	FX PAGES	RESULT
092 333 4444	Aug. 10 05:55PM	02	OK
- TRANSFERRED TO -	START TIME	TX PAGES	RESULT
092 111 2222	Aug. 10 05:55PM	02	OK

Retrieving mis-forwarded documents

If the document cannot be forwarded, the display will show the following message:

REDIAL TIME OUT

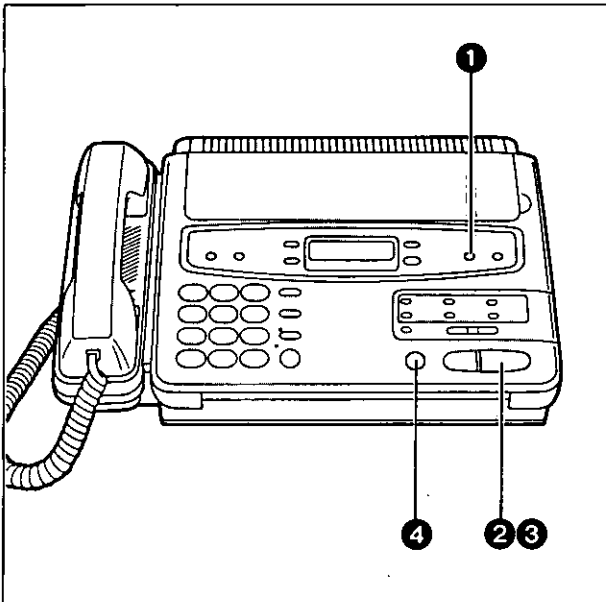
OR

TRANSMIT ERROR

If the following message will be shown when any button is pressed or any operation is performed, there have been mis-forwarded documents in memory.

CHECK FORWARD

To retrieve the mis-forwarded documents, proceed as follows:



- 1 Press **MENU** until the following is displayed.

FAX FORWARDING

- 2 Press **START/SET**.

PRINT MESSAGE

- 3 Press **START/SET**.

PRINTING

—The unit will start printing.

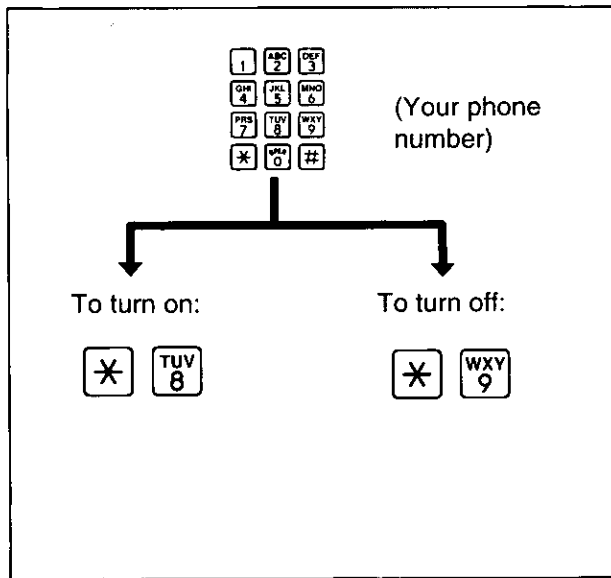
- 4 After printing, press **STOP** to end the operation.

Turning on/off the forwarding feature from a remote location

The following operation will activate or de-activate the forwarding feature from a remote location.

Important:

- Use a touch tone telephone with tone dialing for this operation.
- This feature is available in the ANS/FAX, TEL/FAX or FAX mode.



- 1 Call your unit.
- 2 ■ **When turning on the forwarding feature:** Press * and 8 while the greeting message is playing, incoming message recording mode, or at a silent interval between fax tones.
—After a beep, the forwarding feature will be turned on.

■ **When turning off the forwarding feature:** Press * and 9 while the greeting message is playing, incoming message recording mode, or at a silent interval between fax tones.
—After two beeps, the forwarding feature will be turned off.
- 3 Hang up.

Notes:

- If a continuation of short beeps sounds, you will fail in the remote operation. Press the button firmly within 30 seconds.
- If a forwarding phone number is not programmed in the unit, this feature cannot be used.

Receiving with Distinctive Ring Service

The unit has been equipped with a ring pattern detection feature, which allows you to have more effective use of the distinctive ring service provided by some telephone companies.

The distinctive ring service gives you up to 3 phone numbers on your single telephone line, each with a different ringing pattern. You may use one of the phone numbers as a facsimile telephone number. With the ring pattern detection feature, the unit will detect its own distinctive ringing pattern and automatically activate the fax function to receive documents.

If other calls come in, the unit will answer in the receiving mode selected by the RECEIVE MODE button.

When you set the distinctive ring feature, the number of rings (FAX RING COUNT) before the unit answers a distinctive ring call will be set to "1" automatically. To change it, select the desired number of rings using "Setting the number of rings to answer in the FAX mode" on page 26 after setting the distinctive ring feature.

■ The table below shows how the unit will answer on incoming calls.

Receiving call	Receiving mode of the unit			
	ANS/FAX	TEL/FAX	FAX	TEL
A call matching the selected distinctive ring pattern	The unit will activate the fax function.	The unit will activate the fax function.	The unit will activate the fax function.	The unit will ring until you pick up. If you do not answer the call by 15 rings, the unit will automatically switch to the ANS/FAX mode and answer depending on the ring type.
Other call	The unit will activate as an answering device and/or facsimile.	The unit will ring until you pick up.	The unit will activate the fax function.	

Programming the unit with distinctive ringing pattern _____

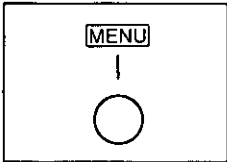
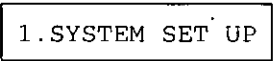
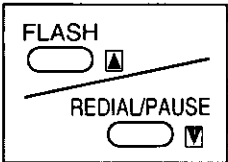
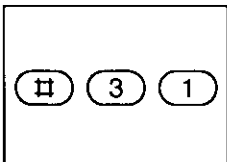
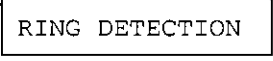
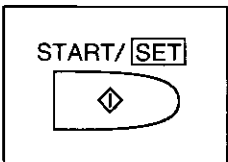
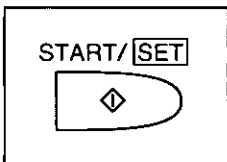
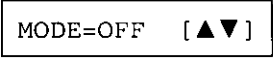
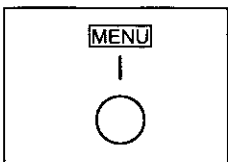
This feature is only for use if you subscribe to a distinctive ring pattern service from your telephone company and wish to program one of the ring patterns for dedicated fax use. For more information on distinctive ring pattern service, please contact your telephone company.

To activate the feature, you need to program the ringing pattern of the phone number to be used as a facsimile number.

Ringing patterns that can be programmed:

- A:** Standard ring
- B:** Double ring
- C:** Triple ring (Short-long-short)
- D:** Other triple ring
- OFF:** Turning off the ring pattern detection feature (initial setting)

To set a ring pattern, proceed as follows:

<p>1</p> 	<p>Press MENU until the following is displayed.</p>		<p>4</p> 	<p>Press ▲ or ▼ to select the desired mode.</p>
<p>2</p> 	<p>Press #31.</p>		<p>5</p> 	<p>Press START/SET to store the setting.</p>
<p>3</p> 	<p>Press START/SET.</p>		<p>6</p> 	<p>Press MENU to end the program.</p>

Special Settings

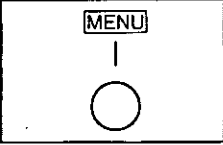
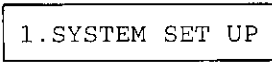
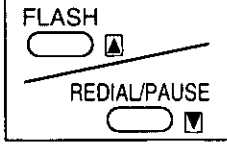
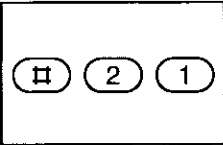
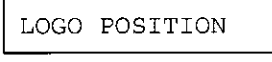
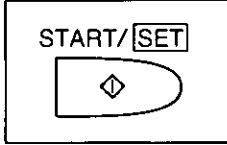
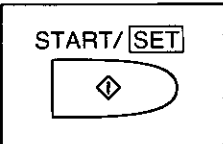
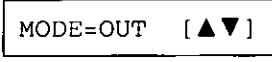
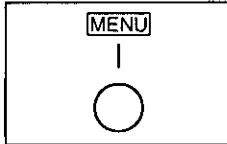
Logo print position

Your logo, telephone number, date, time and page number will be printed on the transmitted document from your unit in the following manner.

OUT: Outside of the transmitted document's paper size.

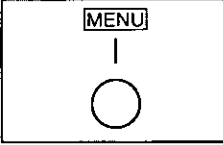
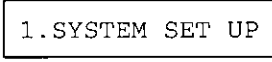
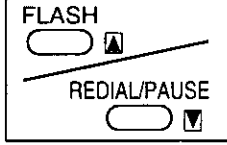
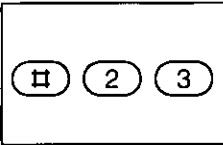


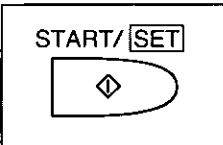
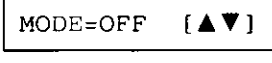
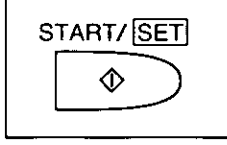
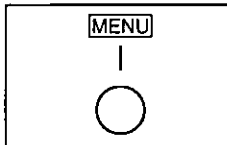
IN: Inside of the transmitted document's paper size.

OFF: Not printed.

<p>1</p> 	<p>Press MENU until the following is displayed.</p>		<p>4</p> 	<p>Press ▲ or ▼ to select the desired setting.</p>
<p>2</p> 	<p>Press #21.</p>		<p>5</p> 	<p>Press START/SET to store your selection.</p>
<p>3</p> 	<p>Press START/SET.</p>		<p>6</p> 	<p>Press MENU to end the program.</p>

Overseas transmission mode

You may experience difficulty in transmitting documents overseas. When this feature is set to on, it will become easy to send documents as the transmission speed is slowed down.

<p>1</p> 	<p>Press MENU until the following is displayed.</p>		<p>4</p> 	<p>Press ▲ or ▼ to select "ON".</p>
<p>2</p> 	<p>Press #23.</p>			<p>—If this feature is not required, select "OFF".</p>
<p>3</p> 	<p>Press START/SET.</p>		<p>5</p> 	<p>Press START/SET to store your selection.</p>
<p>6</p> 	<p>Press MENU to end the program.</p>	<p>Then start transmission procedure (see pages 20 and 21).</p>	<p>6</p>	<p>Press MENU to end the program.</p>

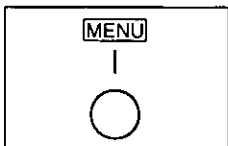
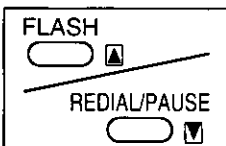
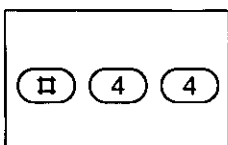
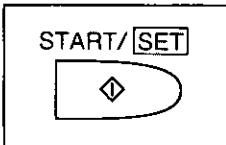

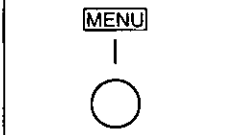
Notes:

- After the transmission has completed, this feature will be turned off automatically.
- When using this feature, transmission time will increase.
- This feature is not available for transmission using the **BROADCAST** key (see page 46).

Setting the memory reception alert

When the received documents are stored into memory, the unit will alert you if the documents have been stored. When you hear slow beeps, clear the printing trouble or supply paper to print documents. The beep sound will stop.

To activate this feature, proceed as follows:

<p>1</p> 	<p>Press MENU until the following is displayed.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">1.SYSTEM SET UP</div>	<p>4</p> 	<p>Press ▲ or ▼ to select "ON".</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">MODE=ON [▲▼]</div>
<p>2</p> 	<p>Press #44.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">RECEIVE ALERT</div>	<p>5</p> 	<p>—If this feature is not required, select "OFF".</p> <p>Press START/SET to store the setting.</p>
<p>3</p> 	<p>Press START/SET.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">MODE=OFF [▲▼]</div>	<p>6</p> 	<p>Press MENU to end the program.</p>

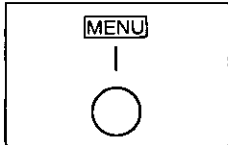
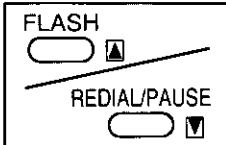
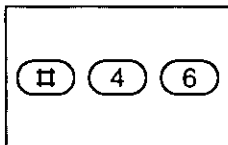
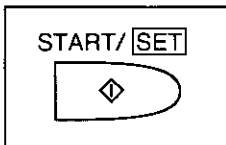
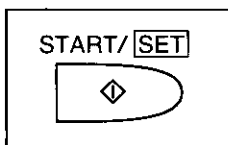
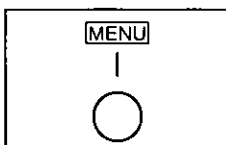
Setting the contrast mode

Use this feature when you need to transmit and copy a document with very faint writing or very dark writing. The following choices are available:

- NORMAL:** Used for a document with normal writing.
- LIGHT:** Used for a document with very faint writing.
- DARKER:** Used for a document with very dark writing.

These settings are available in the standard, fine and super fine resolutions.

Set this feature before starting transmission or copying by following steps below.

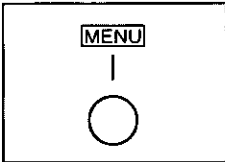
<p>1</p> 	<p>Press MENU until the following is displayed.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">1.SYSTEM SET UP</div>	<p>4</p> 	<p>Press ▲ or ▼ to select the desired mode.</p>
<p>2</p> 	<p>Press #46.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">ORIGINAL</div>	<p>5</p> 	<p>Press START/SET to store the setting.</p>
<p>3</p> 	<p>Press START/SET.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">MODE=NORMAL[▲▼]</div>	<p>6</p> 	<p>Press MENU to end the program.</p>

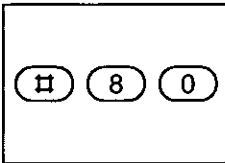
Note:

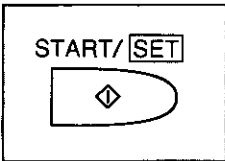
- This feature will return to the normal mode after the transmission or copying has completed.

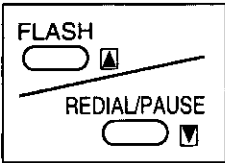
Resetting the advanced features

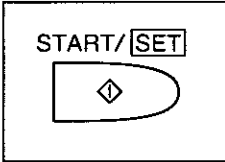
Use this feature to return the advanced features of #21 through #63 (see page 33) to their initial settings.

- 1**  Press **MENU** until the following is displayed.

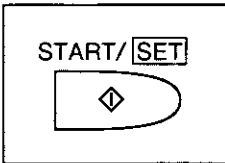
1. SYSTEM SET UP
- 2**  Press **#80**.

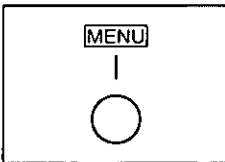
SET DEFAULT
- 3**  Press **START/SET**.

RESET=NO [▲▼]
- 4**  Press **▲** or **▼** to select "YES".

RESET=YES [▲▼]
- 5**  Press **START/SET**.

RESET OK?

—If this feature is not required, press the **STOP** button.
- 6**  Press **START/SET** again for confirmation.

RESET COMPLETED
- 7**  Press **MENU** to end the program.

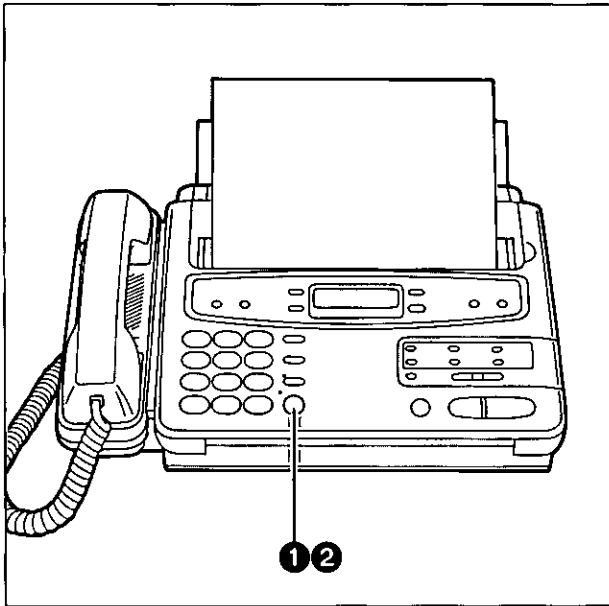
Voice Contact

You can have a voice conversation on the same call after fax transmission or reception is completed. This saves the extra expense and time of making a subsequent telephone call to discuss the information sent over the fax.

Important:

- This feature works only when the other party's unit is equipped with the voice contact/call reservation feature.

Initiating voice contact



- 1 Press **SP-PHONE/VOICE STDBY** while transmitting or receiving documents.

VOICE STDBY

—Your unit will call the other party with a distinctive ring.

- 2 When the other party answers, the unit will emit a distinctive ring. While ringing, press **SP-PHONE/VOICE STDBY** again or lift the handset to start speaking.

Notes:

- If you initiate voice contact while transmitting documents, you can speak after all the documents have been transmitted.
- If you initiate voice contact while receiving documents, you can speak after the current page of the documents is received.
- You can initiate the voice contact by lifting the handset during transmission or reception.
- If the other party does not answer, the line will be disconnected automatically.

Receiving a request for voice contact

If the other party initiates voice contact, your unit will emit a distinctive ring after the transmission or reception is completed.

When a distinctive ring is heard, press **SP-PHONE/VOICE STDBY** or lift the handset, then start speaking.

Note:

- If you do not answer within 10 seconds of hearing the distinctive ring, one of the following occurs:
 - when the unit is in the ANS/FAX mode, it will play back your greeting message and record the incoming voice message.
 - when the unit is in the TEL/FAX, FAX or TEL mode, the line will be disconnected.

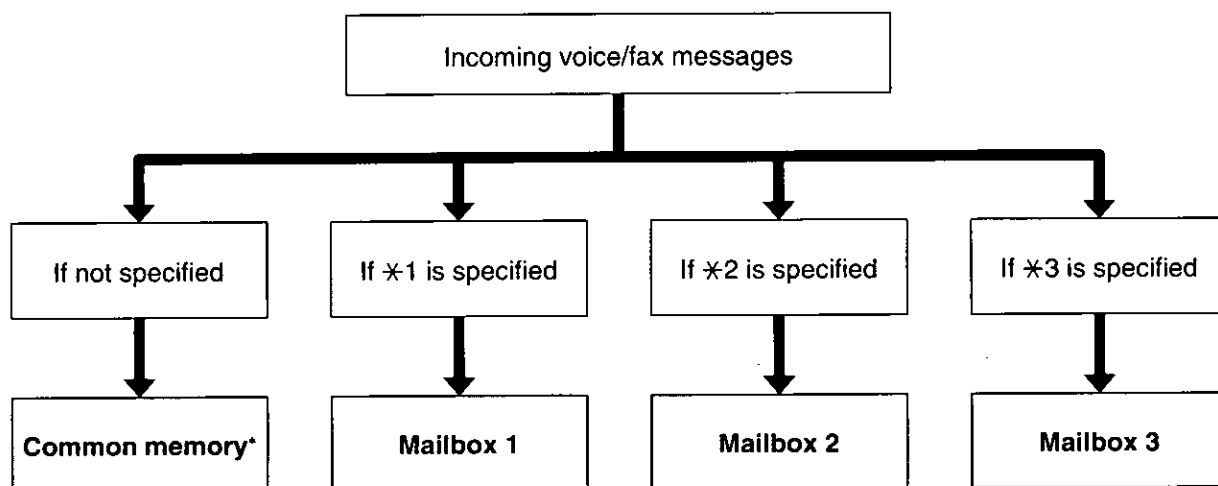
Mailbox

The unit has four memory locations—common memory and three mailbox memories. The greeting messages can be recorded into each memory location.

This feature is useful when you use the unit jointly with other people and you wish your caller would record a voice message or send a fax message directly to you.

Your caller can leave a voice and/or fax message in a specific mailbox, and only the person who knows the password can retrieve the message from the mailbox.

This unit has three personal mailboxes and you can program a password for each one of them.



*If the mailbox number is not specified, voice messages will be recorded on the common memory and fax messages will be printed out.

To use mailbox

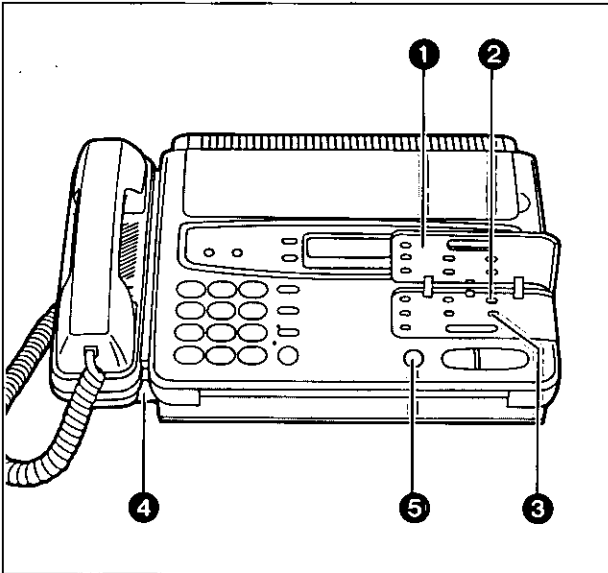
1. Record a common greeting message into common memory (see page 13).
2. Record personal greeting message(s) into the mailbox(es) (see page 60).
3. Program each mailbox password (see page 60).
4. In order to leave a voice and/or fax message into a mailbox, each owner of the mailboxes must inform callers in advance of their mailbox number.

Note:

- Greeting messages and incoming calls will be recorded into common memory unless the user selects any mailbox.

Recording a personal greeting message for mailbox

Record a personal greeting message for each mailbox. This will be played back to the caller who selected the specific mailbox. Each greeting message can be recorded up to 16 seconds.



- 1 Open the station key panel.
- 2 Press **GREETING SELECT** until the desired mailbox number is displayed.
Example: Mailbox 2

BOX2-GREETING

- 3 Press **GREETING REC.**
—A long beep will be heard.

BOX2 REC 16s

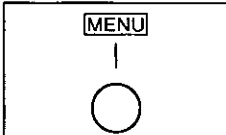
- 4 Immediately after the long beep, speak clearly and loudly into the microphone.
- 5 To stop recording, press **STOP**.

Note:

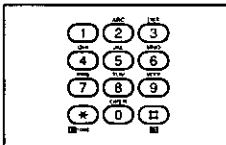
• We recommend you record a briefer greeting message to leave more time for incoming messages. If you do not record a mailbox greeting message, incoming messages can be recorded after the long beep.

Programming the mailbox password

Program your own password for your mailbox to prevent other users from retrieving messages. You can choose any 3-digit number except a number including "0".

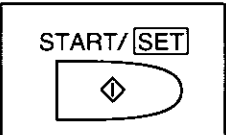
- 1  Press **MENU** until the following is displayed.

1.SYSTEM SET UP

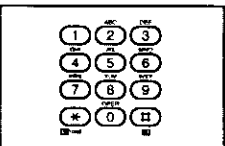
- 2  For mailbox 1, press #51.
For mailbox 2, press #52.
For mailbox 3, press #53.

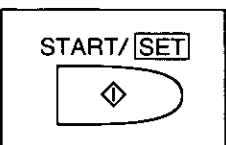
Example: Mailbox 1

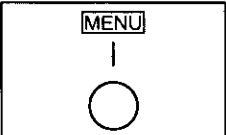
BOX1 PASSWORD

- 3  Press **START/SET**.

NO. =

- 4  Enter the new password (111-999).

- 5  Press **START/SET** to store the setting.
—To program other passwords, repeat from step 2.

- 6  Press **MENU** to end the program.

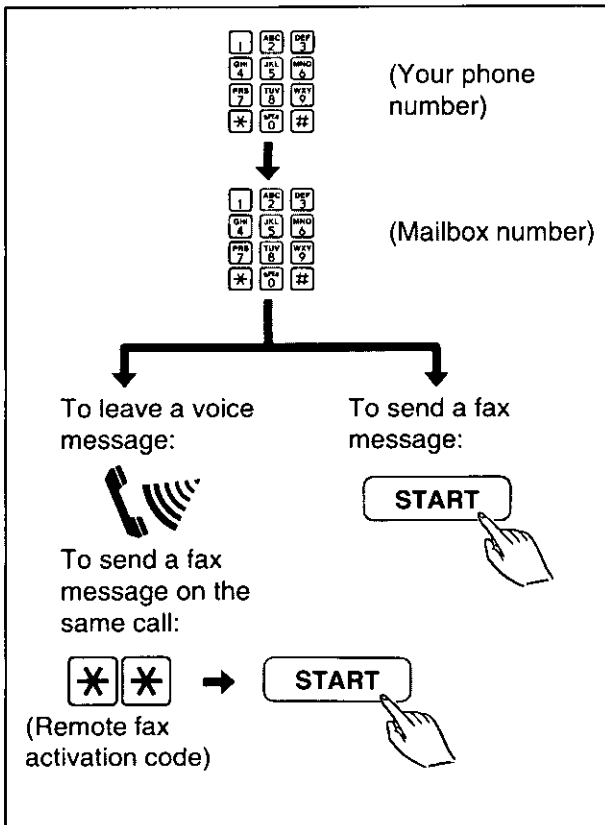
Note:

• We recommend that you do not use seven (7) as a password number, because this number is used as the greeting message re-recording command for remote operations.

How incoming voice/fax messages are recorded into each mailbox

In order to leave a voice message and/or send a fax message in a mailbox, each owner of the mailboxes must inform their callers of their mailbox number in advance.

- When your unit is in the **ANS/FAX** mode, a caller can leave a voice message and/or send a fax message.



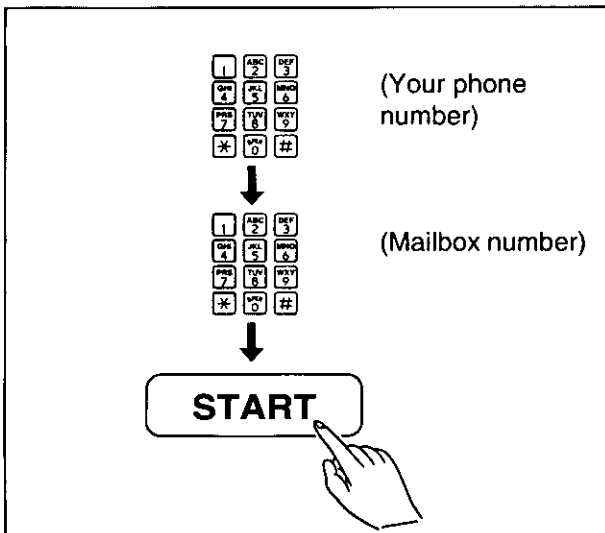
- 1 A caller may call your unit from a touch tone phone.
—Your unit will play the common greeting message.
- 2 They may press *, then enter the desired mailbox number (1–3) during the common greeting message or incoming message recording mode.
—Your unit will play the personal greeting message.

- 3 ■ **To leave a voice message:**
They may speak after the long beep.

If they wish to send a fax message on the same call, they may press ** (remote fax activation code), then press their start or transmit button to send a fax.

- **To send a fax message:**
They may press their start or transmit button.

- When your unit is in the **TEL/FAX** or **FAX** mode, a caller can send a fax message.

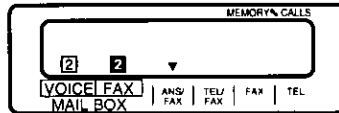


- 1 A caller may call your unit from a touch tone phone.
- 2 They may press *, then enter the desired mailbox number (1–3) during the **TEL/FAX** greeting message or at a silent interval between the fax tones.
- 3 They may press their start or transmit button to send a fax message.

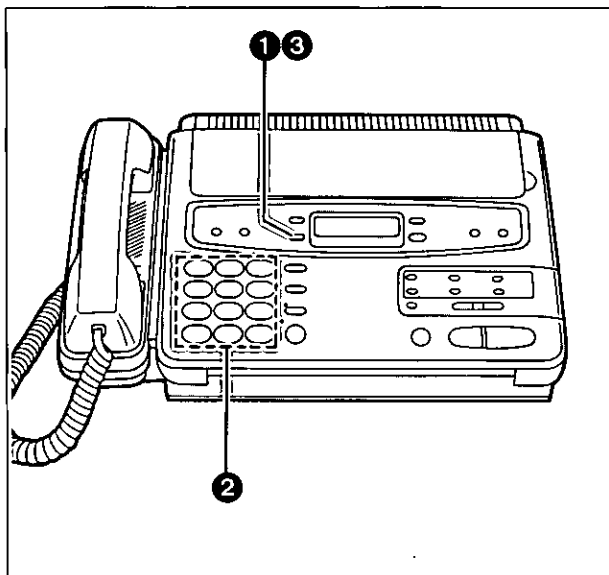
Retrieving voice/fax messages in a mailbox

When there is a new voice message in a mailbox, the mailbox indicator will flash on the display and when there is a fax message in a mailbox, the mailbox indicator will light on the display.

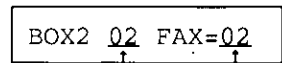
Example: New incoming voice messages and fax messages have been stored in mailbox 2.



To retrieve voice/fax messages, proceed as follows.



- 1 Press **MAIL BOX** until the desired mailbox number is displayed.

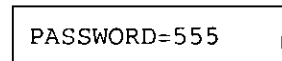


Number of recorded voice messages

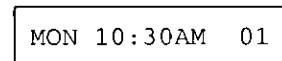
Number of stored fax messages

- 2 Enter the mailbox password.

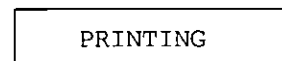
Example: The password is 555 (factory setting).



—The unit will play back new voice messages. During the playback, the display will show the day and time when the message was recorded, along with the recorded order of the message.



—After playing back voice messages, the unit will start to print all documents stored in the mailbox.



—After retrieving, the documents stored in the mailbox will be erased.

- 3 To exit the mailbox, press **MAIL BOX**.

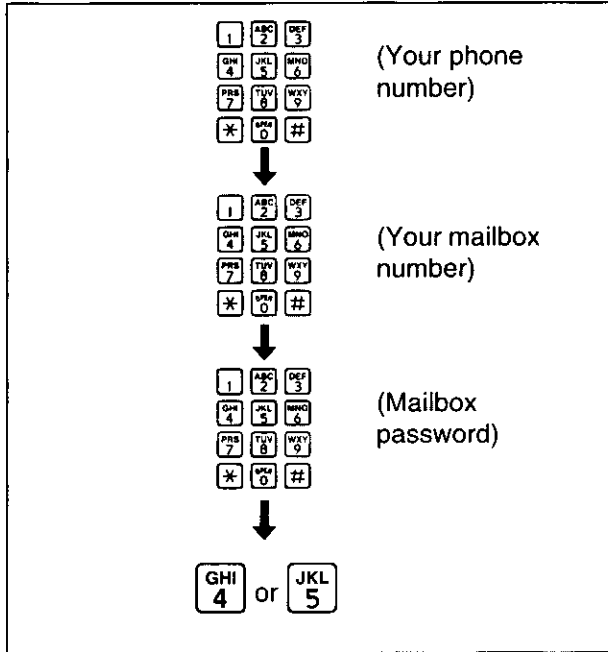
Notes:

- If you enter a different number from the correct password in step 2, 6 beeps will sound. Try again from step 1 and enter the correct number.
- The ALL MESSAGES, REPEAT, SKIP and STOP buttons can be used during voice message playback.

Retrieving voice/fax messages in a mailbox from a remote location

Retrieving voice messages in a mailbox from a remote location:

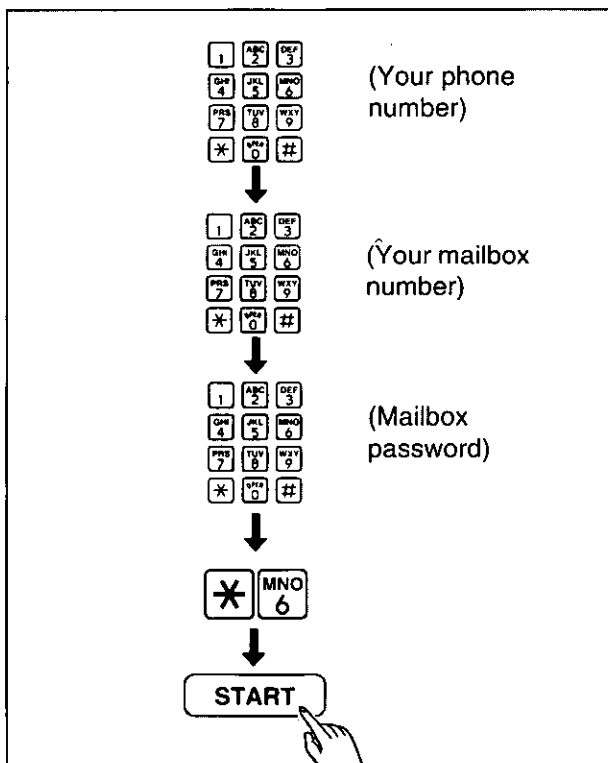
The following procedure is available when the unit is in the *ANS/FAX* mode.



- 1 Call your unit from a touch tone telephone.
—The common greeting message will be heard.
- 2 Press *, then press the desired mailbox number (1–3).
—The personal greeting message will be heard.
- 3 Press the mailbox password (3-digit).
—A long beep and a short beep(s) will sound. Short beep(s) indicate(s) the number of newly recorded messages. Short beeps will sound up to 8 times even if 9 or more calls are recorded.
- 4 Press 4 for new message playback.
OR
Press 5 or wait for 4 seconds for all message playback.

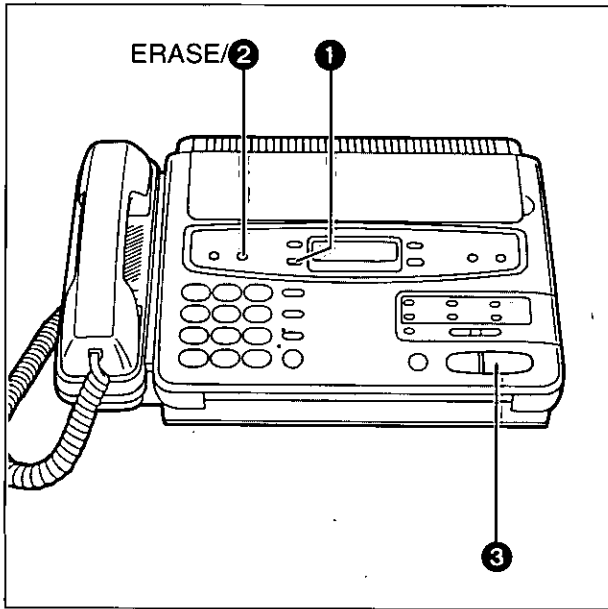
Retrieving fax messages in a mailbox from a remote location:

The following procedure is available when the unit is in the *ANS/FAX*, *TEL/FAX* or *FAX* mode.



- 1 Call your unit from a touch tone telephone facsimile.
- 2 Press *, then enter the desired mailbox number (1–3).
- 3 Press your mailbox password while the greeting message is playing or at a silent interval between fax tones.
—To check the number of fax messages stored in the mailbox, press *7.
A long beep and a short beep(s) will sound. Short beep(s) indicate(s) the number of stored messages. Short beeps will sound up to 8 times even if 9 or more calls are received.
- 4 Press * and 6.
—If three beep tones sound, no fax messages are stored in the mailbox.
- 5 When a beep tone sounds, start reception by pressing the start or transmit button.
—The documents stored in the mailbox will be erased after transmission.

Erasing recorded voice messages in a mailbox



■ Erasing specific messages in a mailbox:

Press **ERASE** while the message you want to erase is playing.

■ Erasing all messages in a mailbox:

1 Press **MAIL BOX** until the desired mailbox number is displayed.

Example: Mailbox 1

BOX1 01 FAX=01

2 Press **ERASE**.

BOX1 ERASE OK?

3 Press **START/SET** for confirmation.

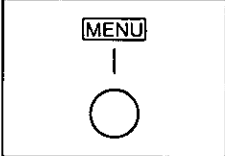
ERASE COMPLETED

Note:

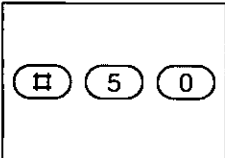
- The documents, if stored in the same mailbox, will not be erased if you perform the steps above.

Setting the mailbox alert

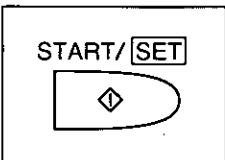
When this feature is set to on, the unit will let you know with a slow beep if a caller's message has been recorded or a fax message has been received in a mailbox.

1  Press **MENU** until the following is displayed.

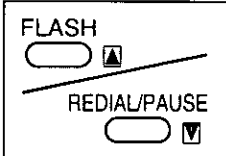
1. SYSTEM SET UP

2  Press **#50**.

MAIL BOX ALERT


3  Press **START/SET**.

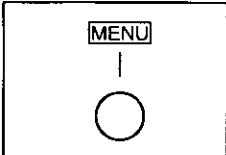
MODE=OFF [▲▼]

4  Press **▲** or **▼** to select "ON".

MODE=ON [▲▼]

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

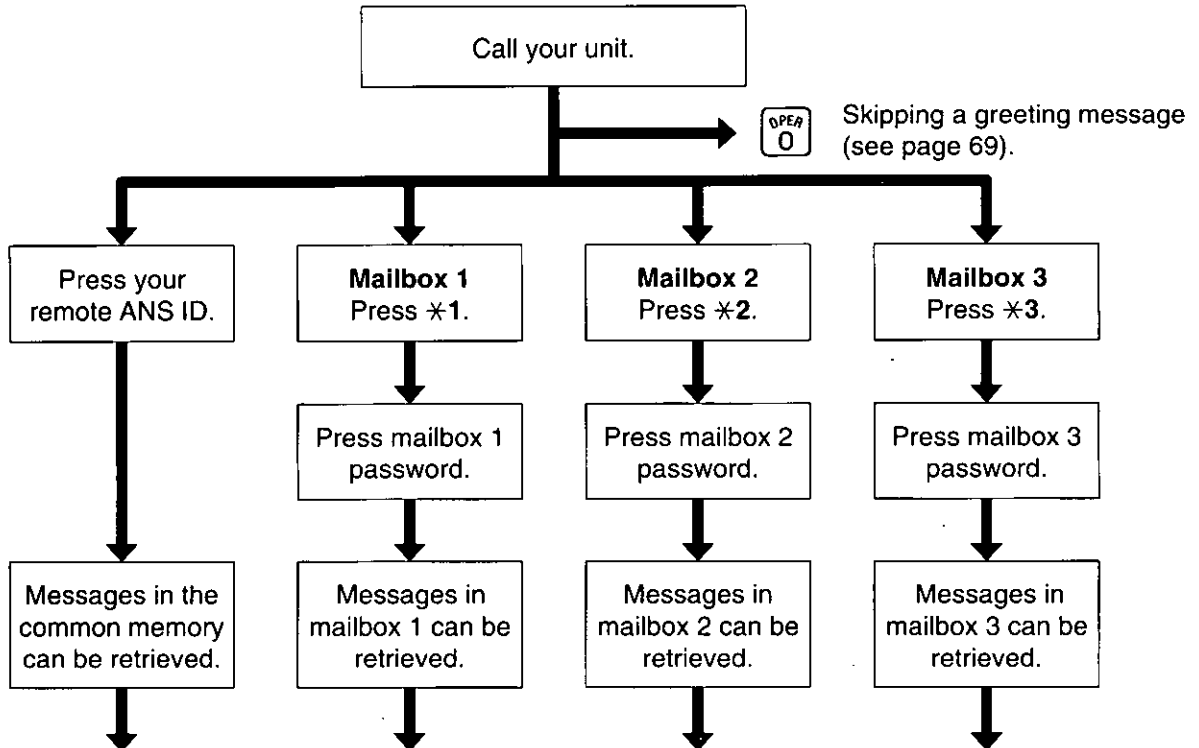
5  Press **START/SET** to store the setting.

6  Press **MENU** to end the program.

Operating the Answering Device from a Remote Phone

You can access your unit and retrieve the incoming messages from a remote location with a touch tone telephone.

Summary of remote operations



The following remote command keys are available.

1	Repeating a message (see page 67).	WXYZ 9	Stopping re-recording of a greeting message (see page 69).
ABC 2	Skipping a message (see page 67).	* GHI 4	Erasing a specific message (see page 68).
GHI 4	New message playback (see pages 66 and 67).	* JKL 5	Erasing all messages (see page 68).
JKL 5	All message playback (see pages 66 and 67).	TUV 8 1	Pager alert ON (see page 69).
MNO 6	Room monitoring (see page 68).	TUV 8 ABC 2	Pager alert OFF (see page 69).
PRS 7	Re-recording a greeting message (see page 69).		

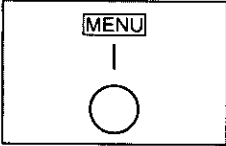


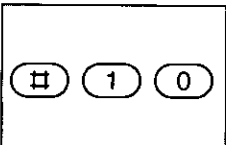
Programming the remote ANS ID

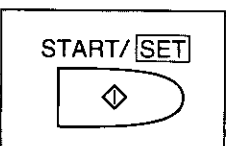
The remote ANS ID is used to access your answering device from a remote location with a touch tone telephone.

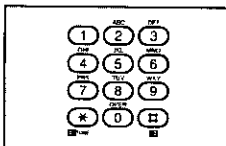

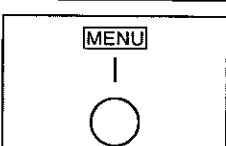
Choose any number from 111 to 999 except a number including "0".

Make sure that the first 2-digit number of the remote ANS ID is different from the junk mail prohibitor ID.

- 1**  Press **MENU** until the following is displayed.

1.SYSTEM SET UP
- 2**  Press **#10**.

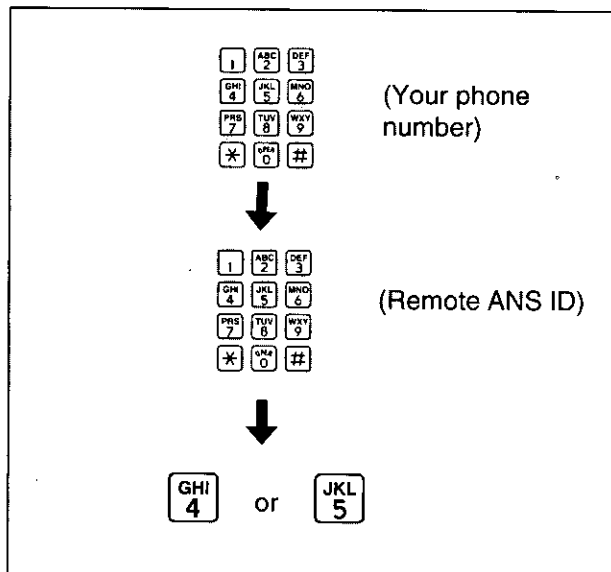
REMOTE ANS ID
- 3**  Press **START/SET**.

ID=111
- 4**  Enter the desired number (111-999).
- 5**  Press **START/SET** to store the setting.
- 6**  Press **MENU** to end the program.

Note:

- We recommend that you do not use seven (7) as an ID number, because this number is used as the greeting message re-recording command for remote operations.

Listening to the recorded messages in the common memory



- 1** Call your unit.
—The unit will play the greeting message.
- 2** Press the remote ANS ID during the common greeting message.
—A long beep and a short beep(s) will sound. Short beep(s) indicate(s) the number of newly recorded messages. Short beeps will sound up to 8 times even if 9 or more calls are recorded.
- 3** Press **4** to listen to newly recorded messages. OR Press **5** or wait for 4 seconds to listen to all the recorded messages.

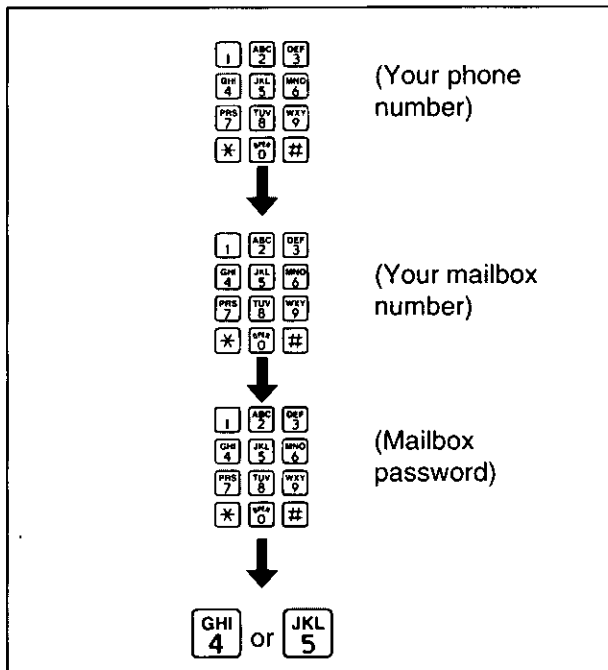
Note:

- If you hear 6 beep tones after playing back messages, the memory is full. You must erase some or all messages.

If you want to listen to messages in the mailbox after playing back messages in the common memory;

1. Press * and 1, 2 or 3 (desired mailbox number).
2. Press the mailbox password.
3. Press 4 (for new message playback) or 5 (for all message playback) to play back messages.

Retrieving the recorded messages in a mailbox

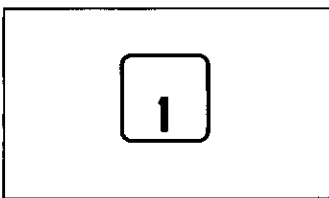


- ❶ Call your unit.
- ❷ Press * and the desired mailbox number (1–3).
- ❸ Enter a mailbox password during a personal greeting message.
 - A long beep and a short beep(s) will sound. Short beep(s) indicate(s) the number of newly recorded messages. Short beeps will sound up to 8 times even if 9 or more calls are recorded.
- ❹ Press 4 to listen to newly recorded messages. OR Press 5 or wait for 4 seconds to listen to all the recorded messages.

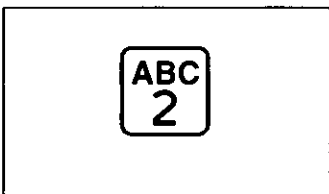
If you want to listen to messages in the other memory after playing back:

1. Press *, and 0 (for common memory). Press * and other mailbox number 1, 2 or 3.
2. Press the mailbox password if you selected the mailbox.
3. Press 4 (for new message playback) or 5 (for all message playback) to play back messages.

Functions during playback

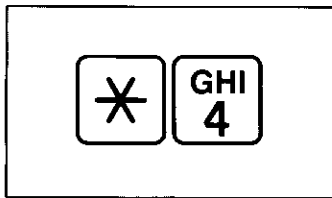


- **Repeating the current message:**
Press 1 to repeat the message currently being played.



- **Skipping a message:**
Press 2 to start to play the next message.

Erasing a specific message from memory

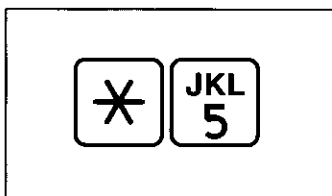


Press * 4 when the message you want to erase is being played.

- The unit will erase the message just played back.
- A long beep followed by three short beeps will be heard. Then the unit will continue with the next message.

Erasing all messages from memory

You can erase all the recorded messages in the accessing memory. To erase all messages in a mailbox, you must first select the mailbox.



Press * 5.

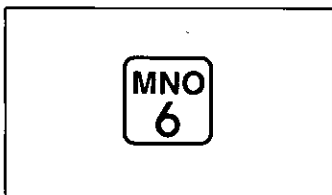
- A long beep followed by three short beeps will be heard.
- The unit will erase all the recorded messages.

Note:

- The greeting messages will not be erased in this operation.

Room monitoring

You can monitor the sound in the room where the unit is installed. This feature also allows you to speak with anyone in the room.



Call your unit, then press your remote ANS ID while the greeting message is playing.

Press 6 after hearing a beep.

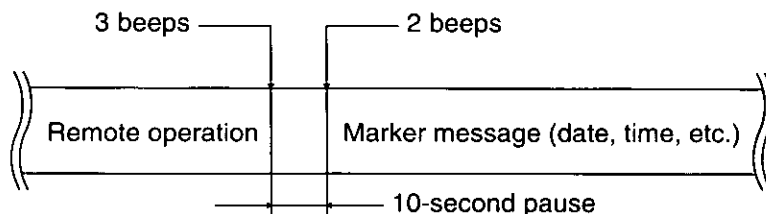
- The speakerphone of the unit in the room will be turned on and you can monitor the room sound for about 30 seconds.

Notes:

- To continue monitoring, press 6 again within 10 seconds after hearing one beep.
- To talk to the other party in the room, inform them to lift the handset or press the SP-PHONE button.

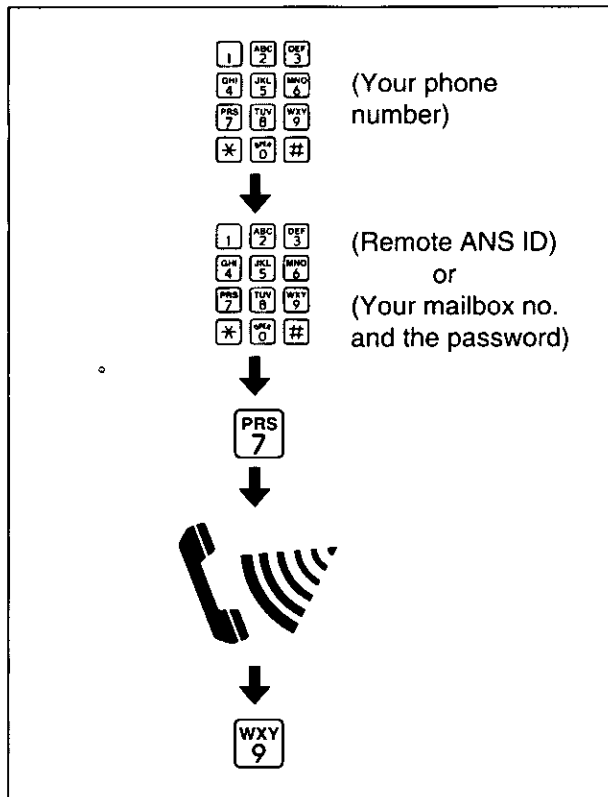
Recording a marker message

After playing back the recorded messages, you can leave an additional message during the same call. Wait for 3 beeps indicating the end of the remote operation and wait about 10 seconds for another 2 beeps indicating that the unit is ready for recording, then you can leave your message.



Re-recording a greeting message

You can change the content of the greeting message from a remote location.

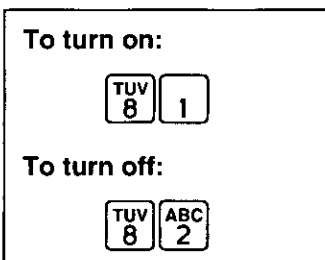


- 1 Call your unit.
- 2 ■ **For the common greeting message:**
Dial your remote ANS ID while the greeting message is playing.

■ **For the mailbox greeting message:**
Press * and 1, 2 or 3 (desired mailbox no.). Then enter the mailbox password.
- 3 Press 7 to start re-recording after hearing a beep.
—A long beep will sound.
- 4 After hearing a long beep, speak clearly and loudly for up to 16 seconds.
—If you pause for over 2 seconds while recording, the unit will beep and stop the greeting message recording. In this event, repeat from step 2 within 10 seconds.
- 5 When finished, press 9.
—The new greeting message will be played back to confirm the content.

Turning on/off pager alert

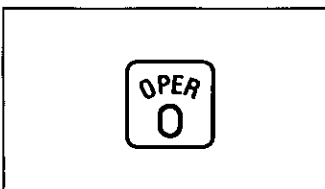
You can remotely turn on/off a pager alert feature which has been programmed with a pager number (see page 70).



- 1 Call your unit.
- 2 For the common pager alert, press the remote ANS ID.
OR
For a mailbox pager alert, press * and the mailbox number (1, 2 or 3), then press the mailbox password.
- 3 To turn on the pager alert, press 81.
To turn off the pager alert, press 82.

To skip the greeting message

Callers can record their messages without listening to the greeting message.

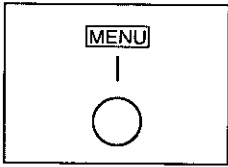


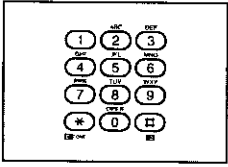
They may call your unit, then dial 0 during the greeting message playback.
—The unit will skip the rest of the greeting message and start recording.

Pager Alert

The feature allows your unit to call your pager automatically each time an incoming message is recorded on the unit.

You can set the pager number for each memory (common, mailbox 1, 2 and 3).

- 1**  Press **MENU** until the following is displayed.

1. SYSTEM SET UP
- 2**  For common pager alert, press #60.

COMMON PAGER

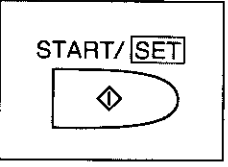
For mailbox 1 pager alert, press #61.

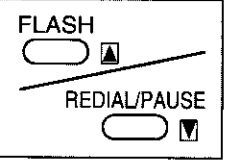
MAIL BOX1 PAGER

For mailbox 2 pager alert, press #62.

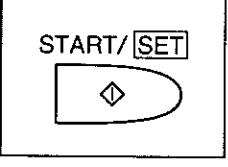
MAIL BOX2 PAGER

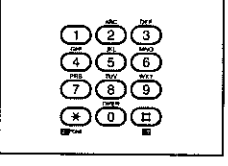
For mailbox 3 pager alert, press #63.

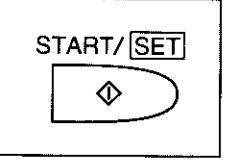
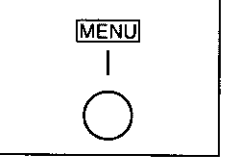
MAIL BOX3 PAGER
- 3**  Press **START/SET**.

MODE=OFF [▲▼]
- 4**  Press ▲ or ▼ to select "ON".

MODE=ON [▲▼]

—If this feature is not required, select "OFF".
- 5**  Press **START/SET**.

NO. =
- 6**  Enter your pager phone number. If necessary, press the PAUSE button twice. Please contact your pager company regarding the proper pause time.

If your pager has the ability to display phone numbers, enter the number that you wish to appear in the display. Press "#" if required by your pager company.
- 7**  Press **START/SET** to store the setting.
- 8**  Press **MENU** to end the program.

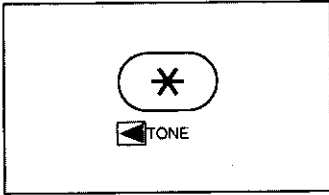
When the pager beeps, call your unit from a touch tone telephone to retrieve the message.

Notes:

- You may enter a total of 30 digits and/or pauses in step 6 above.
- This feature can be turned on/off remotely from a touch tone phone (see page 69).

TONE, FLASH and PAUSE Buttons

TONE button

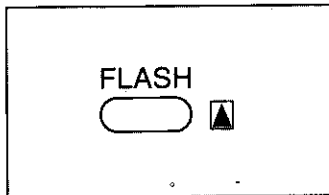


The TONE (*) button is used when your line has a rotary pulse dial service. Pressing the button allows you to change temporarily from pulse to tone mode during a dialing operation. When you hang up, the unit will automatically return to pulse mode.

Note:

- TONE can be stored into a phone number for automatic dialing.

FLASH button



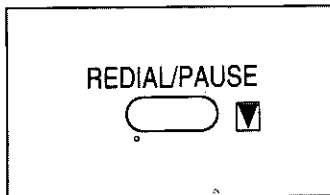
The FLASH button functions as the hookswitch on a regular phone. If you misdial or dial another phone number, press the FLASH button firmly. The call will be terminated and you will hear dial tone. You can then dial the next phone number.

Also pressing the FLASH button allows you to use special features of the host exchange (if connected) or local telephone company services. For further details, contact the supplier or your local telephone companies.

Note:

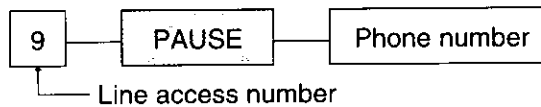
- FLASH can be stored into a phone number for automatic dialing.

PAUSE button

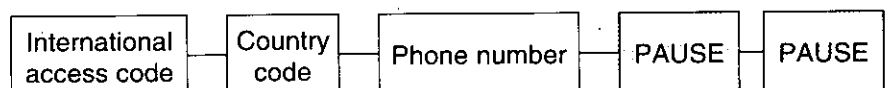


Pressing the REDIAL/PAUSE button causes a dialing delay in the dialing sequence.

Example-1: When your unit is connected to a host exchange, insert a pause as follows to get an outside line.



Example-2: If a transmission error occurs frequently when making an overseas transmission, add two pauses at the end of the phone number.



Note:

- PAUSE can be stored into a phone number for automatic dialing.

Printing Reports and Lists

You can get the following reports and lists from your unit. See pages 73 and 74 for sample reports and lists.

Basic Feature List:

This provides you with the current settings of the basic programming features (#01 to #10).

Advanced Feature List:

This gives you a list of the current settings of the advanced programming features (#21 to #80).

Telephone Number List:

This is a list of phone numbers and station names that are stored for one-touch dialing and speed dialing.

Journal Report:

This gives you a record of all transmissions and receptions (up to 35 fax communications). This report is useful for keeping telephone records or for verifying telephone charges.

This report can be printed automatically after every 35 fax communications (see page 75).

Printer test list:

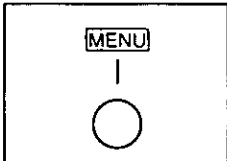
This allows you to check the print quality of your unit.

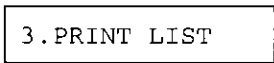
If the test pattern has any blurred points or lines or dirty patterns, please clean the thermal head by following the instructions on page 81.

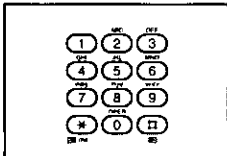
Reservation list:

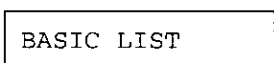
This gives you a reservation number of the documents that have been stored using the memory delayed transmission and the transmission reservation.

How to print each report/list

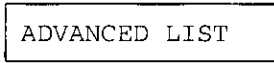
1  Press **MENU** until the following is displayed.



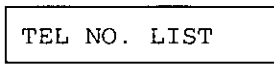
2  For the basic feature list, press #1.



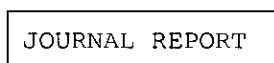
For the advanced feature list, press #2.



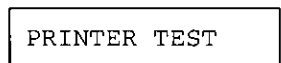
For the telephone number list, press #3.



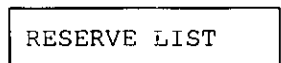
For the journal report, press #4.

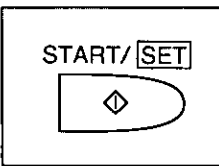



For the printer test list, press #5.

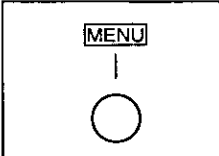


For the reservation list, press #6.



3  Press **START/SET** to start printing.



4  Press **MENU** to end the operation.

Sample reports and lists

Basic feature list

```
[BASIC_FEATURE_LIST]
-----
```

NO.	FEATURE	CURRENT SETTING
#01	SET DATE & TIME	Jan. 01 1994 12:00AM
#02	YOUR LOGO	Panasonic FAX SYSTEM
#03	YOUR TELEPHONE NUMBER	
#04	PRINT TRANSMISSION REPORT	ERROR (ERROR, ON, OFF)
#05	MEMORY XMT	OFF (ON, OFF)
#06	TEL/FAX DELAYED RING	1 (1...4)
#07	FAX RING COUNT	1 (1...4)
#08	ANS/FAX RING COUNT	1 (1...4, TOLL SAVER, RINGER OFF)
#09	RECORDING TIME	VOX (VOX, 1MIN)
#10	REMOTE ANS ID	ID = 111

Advanced feature list

```
[ADVANCED_FEATURE_LIST]
-----
```

NO.	FEATURE	CURRENT SETTING
#21	LOGO POSITION	OUT (OUT, IN, OFF)
#22	JOURNAL AUTO PRINT	ON (ON, OFF)
#23	OVERSEAS MODE	OFF (ON, OFF)
#24	JUNK MAIL PROHIBITOR	OFF (ON, OFF)
		ID = 22
#25	DELAYED TRANSMISSION	OFF (ON, OFF)
#30	SILENT FAX RECOGNITION RING	3 (3...6)
#31	RING DETECTION	OFF (OFF, A, B, C, D)
#40	FAX FORWARDING	OFF (ON, OFF)
		DESTINATION =
#41	REMOTE FAX ACTIVATION CODE	= **
#42	MESSAGE ON EDT	OFF (ON, OFF)
		OFF (ON, OFF)
		OFF (ON, OFF)
		(NORMAL, LIGHT, DARKER)

Telephone number list

```
TELEPHONE NUMBER LIST
[BROADCAST_KEY_LIST]
* BROADCAST 1 *
  01 KEY MODE           = DIAL
  02 PHONE NUMBER      = 092-123-4567
  03 NAME               = COMPANY A

[STATION_KEY_LIST]
TELEPHONE NUMBER      NAME      TELEPHONE NUMBER      NAME
-----
```

02	83-555-1234	ABC	08	
03	012-999-8877	COMPANY B	09	
04	83P4567		10	
05	987-6543		11	222-33444
06	999-1234		12	092-555-6677
07	[]			COMPANY C
				DEF

```
TELEPHONE NUMBER      NAME
-----
0921 ]
```

Codes in each phone number

*: * has been entered.

P: The pause has been entered.

F: The flash has been entered.

-: The hyphen has been entered.

[]: The secret phone number has been entered.
(The telephone number is not printed.)

5

Journal report

JOURNAL							
Jan. 01 1994 06:05PM							
NO.	OTHER FACSIMILE	START TIME	USAGE TIME	MODE	PAGES	RESULT	*CODE
01	1234567	Jan. 01 11:28AM	01'20	TX	02	OK	
02	9998765	Jan. 01 11:52AM	00'56	TX	01	OK	
03	<< G3 >>	Jan. 01 11:58AM	00'32	RX	01	OK	
04	555556677	Jan. 01 00:19PM	01'48	TX	03	OK	
05	+987 1234	Jan. 01 00:35PM	01'42	RX	03	OK	
06	<S01>	Jan. 01 01:14PM	02'40	TX	05	OK	
07	7776543	Jan. 01 01:27PM	01'03	TX	01	OK	
08	4445555	Jan. 01 02:46PM	01'18	TX	02	OK	
09			00'35	TX	00	COMMUNICATION ERROR	(71)
					03	OK	

- ① Communication mode:
TX...Transmission
RX...Reception
POL. TX...Polling transmission
POL. RX...Polling reception
FORW. TX...Transmission by forwarding
FORW. RX...Reception for forwarding
- ② Number of pages received or transmitted successfully
- ③ Communication result
(For the explanation of communication results, see page 77.)
- ④ Error code (for the service personnel use only)

Printer test list



Reservation list

[RESERVATION LIST]						
NO.	RESERVED NO.	FUNCTION	DESTINATION	DOCUMENT	PAGE COUNTER	START TIME
01	02	DELAYED TX-1	0923334444	MEMORY	01	08:30PM
02	03	DELAYED TX-2	0924445555	MEMORY	04	12:15AM
03	01	DELAYED TX	0921112222	ADF	00	03:50AM

- ① Reservation number
- ② Contents of the reserved function
DELAYED TX...Delayed transmission
TX RESERVED... Transmission reservation
- ③ Location of the document to be sent
MEMORY...Document stored in memory
ADF... Document reserved on the document feeder
- ④ Shows the number of the pages stored in memory.

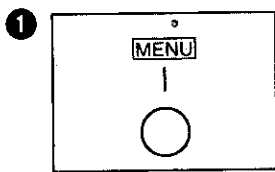
Setting journal auto print

This feature allows the unit to print a record of the last 35 fax communications (transmissions and receptions) automatically.

After printing, memory will clear and the unit will begin to store new data of the journal report.

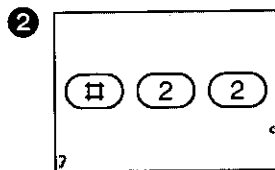
When this feature is deactivated, the journal report data is stored until the memory becomes full. When memory is full and a new communication takes place, the oldest data will be erased and the newest data will be stored.

The unit has been set to print the report after every 35 communications automatically.
To deactivate this feature, proceed as follows:



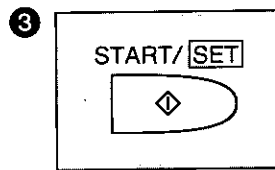
Press **MENU** until the following is displayed.

1.SYSTEM SET UP



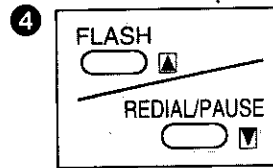
Press **#22**.

AUTO JOURNAL



Press **START/SET**.

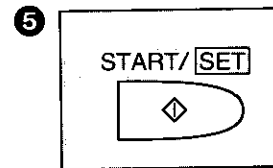
MODE=ON [▲▼]



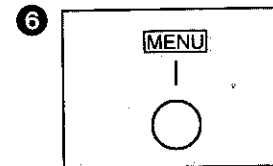
Press **▲** or **▼** to select "OFF".

MODE=OFF [▲▼]

—If this feature is required, select "ON".



Press **START/SET** to store the setting.



Press **MENU** to end the program.

Troubleshooting

Error messages on the display

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

ERROR MESSAGE	CAUSE AND REMEDY
BATTERY LOW	<ul style="list-style-type: none"> ● Battery power is low. Replace the batteries with new ones (see page 10).
CHECK COVER	<ul style="list-style-type: none"> ● The top cover is open. Close it.
CHECK DOCUMENT	<ul style="list-style-type: none"> ● The document is not fed into the unit properly. Re-insert the document. If the misfeeding occurs frequently, clean the document feeder rollers inside the unit (see page 81). Problem remains unsolved, adjust the feeder pressure (see page 80).
CHECK FORWARD	<ul style="list-style-type: none"> ● Documents that could not be forwarded remain in memory. Retrieve them by pressing the MENU button and then the START/SET button twice.
CHECK MEMORY	<ul style="list-style-type: none"> ● Memory (phone numbers, parameters, etc.) has been erased. Re-program them.
DELAYED ABORT	<ul style="list-style-type: none"> ● The programmed delayed transmission has been cleared due to a power failure or because the power switch has been turned off. Re-program it and try again (see page 41).
MECHA ERROR	<ul style="list-style-type: none"> ● Mechanical error occurred. Open the cover and re-install the recording paper. Then press the STOP button and close the cover.
MEMORY FULL	<ul style="list-style-type: none"> ● When performing multistation or memory transmission, the document is too large and exceeds the memory capacity of the unit. Transmit the entire document by using manual or automatic transmission. ● The memory is full of received documents that have been stored in memory due to a lack of recording paper or a recording paper jam. Install a new recording paper roll (see page 9) or clear the jammed paper (see page 79). If this message is still remained after printing, press the STOP button to clear the display message. ● There is no room left in memory to record a voice message. Erase some or all messages (see pages 29 and 64).
NO ANS GREETING	<ul style="list-style-type: none"> ● The greeting message for the <i>ANS/FAX</i> mode has not been recorded. Record the greeting message (see page 13).
NO RESPONSE	<ul style="list-style-type: none"> ● The receiving unit is busy or out of recording paper. Try again.
NO TEL GREETING	<ul style="list-style-type: none"> ● The greeting message for the <i>TEL/FAX</i> mode has not been recorded. Record the greeting message (see page 13).
OUT OF PAPER	<ul style="list-style-type: none"> ● The unit ran out of recording paper. Replace it with a new one (see page 9).
PAPER JAMMED	<ul style="list-style-type: none"> ● The recording paper is jammed. Clear the jammed paper (see page 79).

ERROR MESSAGE	CAUSE AND REMEDY
POLLING ERROR	<ul style="list-style-type: none"> •The other unit does not provide the polling function. Check the other party.
REMOVE DOCUMENT	<ul style="list-style-type: none"> •The document is jammed. Open the cover, remove the jammed document (see page 79) and try again. •Attempted to transmit a document longer than 600 mm (23⁵/₈"). Press the STOP button and remove the document (see page 79). When sending such a document, divide it into two or more sheets so that each sheet does not exceed 600 mm (23⁵/₈") and try again.
TRANSMIT ERROR	<ul style="list-style-type: none"> •Transmission error occurred. Try again.
UNIT OVERHEATED	<ul style="list-style-type: none"> •The unit is too hot. Leave it as it is and allow it to cool down.
WAITING PRINT	<ul style="list-style-type: none"> •The unit has run out of recording paper while printing. Supply a new recording paper (see page 9). •The recording paper jammed while printing. Remove the jammed paper (see page 79).

Explanation of communication result on the report

When any trouble occurs, the following messages may be printed on the transmission report and the journal report.

PRINTED MESSAGE	MEANING
COMMUNICATION ERROR:	<ul style="list-style-type: none"> •Transmission or reception error occurred. Try again or check the other party.
DOCUMENT JAMMED:	<ul style="list-style-type: none"> •A document was jammed. Remove the jammed document (see page 79).
JUNKMAIL PROH. REJECT:	<ul style="list-style-type: none"> •The unit rejected fax reception when the junk mail prohibitor is activated.
MEMORY FULL	<ul style="list-style-type: none"> •The document was not received due to memory full.
NO DOCUMENT:	<ul style="list-style-type: none"> •The document was not fed into the unit properly.
NO RESPONSE:	<ul style="list-style-type: none"> •The receiving unit is busy or out of recording paper. Try again.
PAPER JAMMED:	<ul style="list-style-type: none"> •The recording paper was jammed.
PAPER OUT:	<ul style="list-style-type: none"> •The unit was out of recording paper.
PRESSED THE STOP KEY:	<ul style="list-style-type: none"> •The fax communication was interrupted because the STOP button was pressed.
PRINTER OVERHEATED:	<ul style="list-style-type: none"> •Printer was overheated.
THE COVER WAS OPENED:	<ul style="list-style-type: none"> •The top cover was open.
OK:	<ul style="list-style-type: none"> •Fax communication was successful.



General corrective measures

GENERAL

I cannot make and receive calls.

- The line cord is connected incorrectly or not connected. Confirm the connection (see page 11).

I cannot make calls.

- The setting of the dialing mode is wrong. Check the selector (see page 11).

The unit does not work.

- Disconnect the unit from the telephone line and connect a known working phone. If the known working phone operates properly, call your service personnel to have the unit repaired. If the known working phone does not operate properly, consult your telephone company.

The unit does not ring.

- The ringer volume is set to OFF. Raise it to a suitable level (see page 12).

The REDIAL/PAUSE button does not function properly.

- The button has combination feature of redial and pause. It will redial the last dialed number when it is pressed after hanging up and getting dial tone again (see page 17). If it is pressed after you dial another phone number, the button will function as pause button (see page 71).

While programming, I cannot enter the code or ID number.

- The whole or part of the number you try to enter is same as the other code or ID. Change the number into new one (see pages 47, 48 and 66).

FAX TRANSMISSION

The other party complains that letters on their received document are distorted.

- If your line has special telephone services such as call waiting, the service may have been activated during the fax reception. Connect the unit to a line that does not have such services.
- Another telephone connected to the same line is off the hook. Hang up and try again.

The other party complains that dirty patterns or a black line appear on their received documents.

- The glass or rollers on your unit are dirty. Clean them (see page 81).

I cannot make an international fax call.

- Use the overseas transmission mode (see page 55).
- Add two pauses at the end of the phone number (see page 71).

FAX RECEPTION

I cannot receive documents automatically.

- The receive mode is set to TEL. Set the receive mode to ANS/FAX, TEL/FAX or FAX.
- The time to answer the call may be too long. Decrease the number of rings (see pages 23, 25 and 26).
- The greeting message may be too long. Shorten the message (up to 20 seconds) or ask the other party to press your remote fax activation code and then start transmission (see page 47).

Recording image is faint.

- The sender transmitted a faint document. Request them to transmit a clearer copy of the document.
- The thermal head is dirty. Clean it (see page 81).

ANSWERING DEVICE

No voice messages have been recorded in the ANS/FAX mode.

- The memory is full. Erase some or all messages (see pages 29 and 64).

I cannot retrieve recorded messages from a remote phone.

- Make sure that you use the remote ANS ID correctly (see page 66). When you dial it, press the buttons firmly.

Messages in the mailbox do not play back.

- You entered the wrong password. Enter the correct password (see page 60).

COPYING

Dirty patterns or a black line appear on the copied documents.

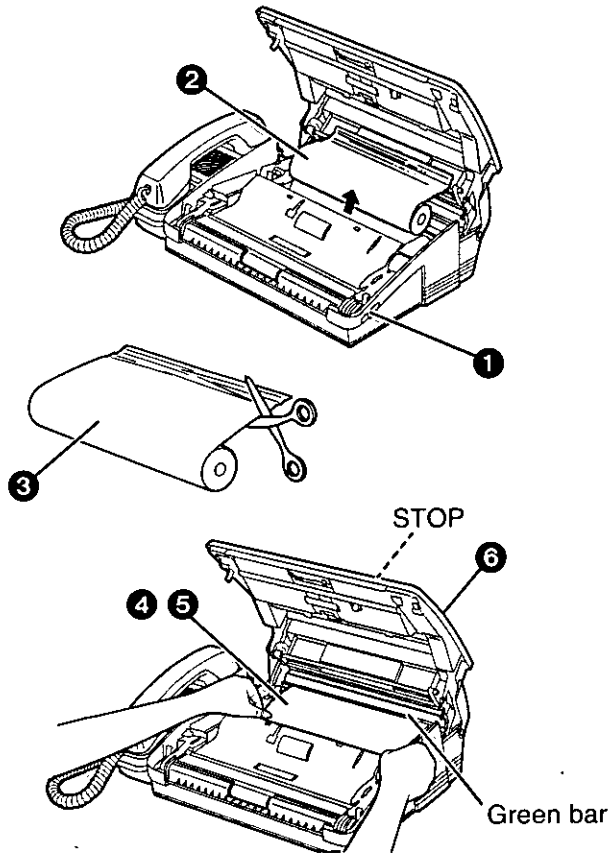
- The glass or rollers on your unit are dirty. Clean them (see page 81).

Copied image is distorted.

- The thermal head is dirty. Clean it (see page 81).

Clearing a recording paper jam

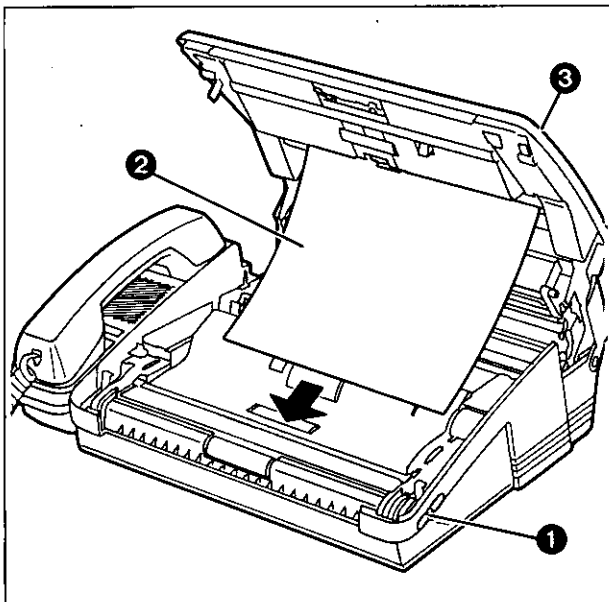
When the unit does not eject a recording paper during reception or copying, the recording paper has jammed. Remove the jammed paper by following the steps below.



- 1 Slide the lever toward you to open the top cover.
- 2 Remove the jammed paper carefully.
- 3 Cut off the wrinkled portion.
- 4 Replace the recording paper roll in the proper direction.
—Make sure that there is no slack in the paper roll.
- 5 Insert the leading edge of the paper under the green bar.
—If the recording paper cannot be inserted, press the STOP button to reset the paper cutter and insert the paper again.
- 6 Close the cover carefully by gently pressing down on both ends.

Clearing a document jam

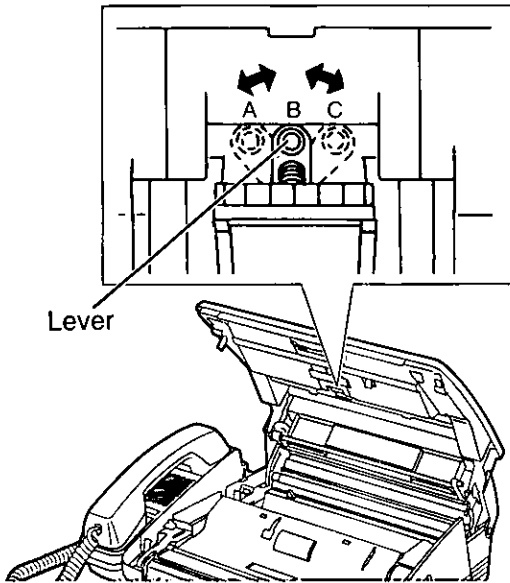
When an original document becomes jammed, remove the jammed document by following the steps below.



- 1 Slide the lever toward you to open the top cover.
- 2 Remove the jammed document carefully.
- 3 Close the cover carefully by gently pressing down on both ends.

Adjusting the feeder pressure

If misfeeding of documents, such as multiple feeding or no feeding, occurs frequently, try to adjust the feeder pressure by following the steps below.



- ❶ Open the top cover.
- ❷ Shift the position of the lever by using an instrument with a pointed end, like a clip or ball-point pen.

Position A: The case of no feeding

Position B: Standard position

Position C: The case of multiple feeding

- ❸ Close the top cover carefully by gently pressing down on both ends.

If a power failure occurs...

The unit does not work when a power failure occurs. You cannot make and answer calls during a power failure. If a power failure occurs while transmitting or receiving documents, the transaction will be interrupted. The stored documents and voice messages will remain in memory for about one month during the power failure, because of backup of the batteries.

Note:

- If an extension phone is connected to the same line, use it during a power failure.

Caution:

- If the batteries are not installed, the documents and voice messages stored in memory will be lost.

Power-down report

The power-down report will be automatically printed out after the power is restored. The report will not be printed out when there are no documents stored in memory.

Sample of the power-down report:

[POWER-DOWN-REPORT]					
POWER DOWN AT: Jan. 01 1994 12:08AM					
RESTARTED AT: Jan. 01 1994 12:08AM					
<< WARNING >> CONTENTS HAVE BEEN CLEARED DUE TO POWER DOWN. FOR ADDITIONAL INFORMATION, PLEASE SEE THE JOURNAL REPORT.					
NO.	OTHER FACSIMILE	MODE	PAGES	FUNCTION	RESERVED NO.
01	123456	TX	03	DELAYED TX-2	01

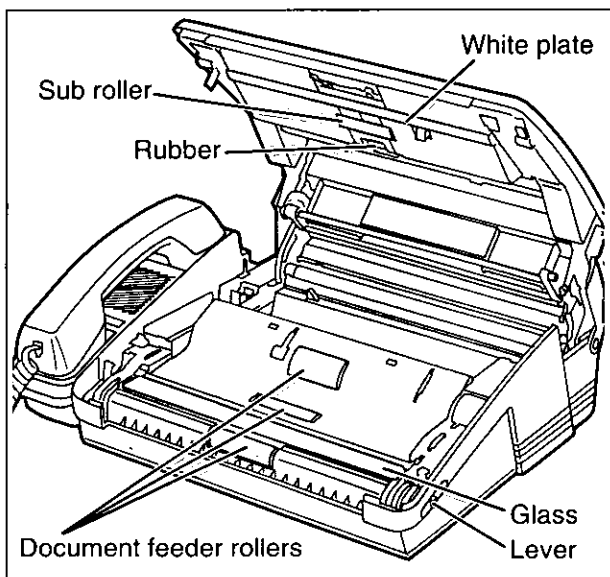
Note:

- When the fax forwarding feature is on, the power-down report will be transmitted to the forwarding station after the power is restored (see page 50).

Maintenance

Cleaning the document feeder unit

When the misfeeding occurs frequently or when dirty patterns or black bands appear on a copied or transmitted document, clean the sub roller, the document feeder rollers and the glass by following the steps below.

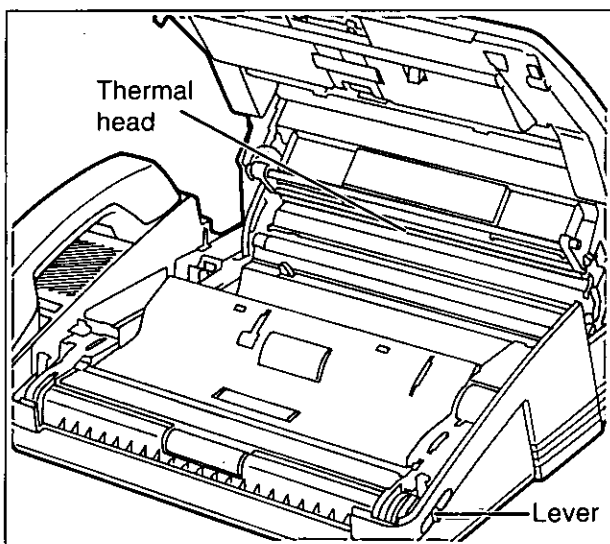


- ❶ Disconnect the power cord and the telephone line cord.
- ❷ Slide the lever toward you to open the top cover.
- ❸ Clean the rubber, the sub roller and the document feeder rollers with a cloth moistened with isopropyl rubbing alcohol, then dry thoroughly.
- ❹ Clean the glass and the white plate with a dry soft cloth.
- ❺ Close the top cover carefully by gently pressing down on both ends.
- ❻ Connect the power cord and telephone line cord.

6

Cleaning the thermal head

If dirty patterns or black bands appear on a copied or received document, clean the thermal head by following the steps below.



- ❶ Disconnect the power cord and the telephone line cord.
- ❷ Slide the lever toward you to open the top cover.
- ❸ Remove the recording paper roll from the unit.
- ❹ Clean the thermal head with a cloth moistened with isopropyl rubbing alcohol, then dry thoroughly.
- ❺ Re-install the recording paper roll, then close the top cover carefully by gently pressing down on both ends.
- ❻ Connect the power cord and telephone line cord.

Note:

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

Important Safety Instructions

When using this unit, basic safety precautions as below 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 wall 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. Install this unit securely on a stable surface. Serious damage may result if the unit falls.
6. Do not cover slots and openings of the unit, for they are provided for ventilation and protection against overheating. Never place the unit near radiators, in/or a place where proper ventilation is not provided.
7. Use only the power source as marked on the unit. If you are not sure of the type of the power supply to your home, consult your dealer or local power company.
8. Do not place objects on the power cord. Install the unit where no one can step on the cord.
9. Do not overload wall outlets and extension cords as this can result in the risk of fire or electric shock.
10. Never push any objects into this unit through slots as they may result in risk of fire or electric shock. Never spill any liquid on the unit.
11. To reduce the risk of electric shock, do not disassemble this unit, but take it to a qualified serviceman when some service or repair work is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the appliance is subsequently used.
12. Unplug this unit from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - 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, for improper adjustment may require extensive work by a qualified technician.

- E. If the unit has been dropped or damaged.
 - F. If the unit exhibits a distinct change in performance.
13. During thunderstorms, avoid using telephones except cordless types. There may be a remote risk of electric shock from lightning.
 14. Do not use this unit to report a gas leak in the vicinity of it.

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 fire or shock hazard, 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, moisture, 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 use benzine, thinner, or any abrasive powder, to clean the cabinet. Wipe it with a soft cloth.
- Do not damage the power cord.
Do not touch the plug with wet hands.

Accessory Order Information

Use the following type of recording paper for replacement. For accessory order, call toll free 1-800-332-5368.

Parts No.	Description	Comment
KX-A116	Standard Thermal Recording Paper	216 mm×50 m (8½"×164') roll
KX-A106	Standard Thermal Recording Paper	216 mm×30 m (8½"×98') roll
KX-A125	Super Thermal Recording Paper (Plain paper like)	216 mm×30 m (8½"×98') roll

Specifications

1. **Applicable Lines:** Public Switched Telephone Network
2. **Document Size:** Max. 216 mm (8½") in width
Max. 600 mm (235⁄8") in length
3. **Effective Scanning Width:** 208 mm (83⁄16")
4. **Printing Paper Size:** (See Accessory Order Information on this page)
5. **Effective Printing Width:** 208 mm (83⁄16")
6. **Transmission Time*:** Approx. 15 sec/page (Original mode)
Approx. 30 sec/page (G3 Normal mode)
7. **Fax Auto Redial:** Up to 5 times
8. **Telephone Auto Redial:** Up to 14 times
9. **Scanning Density:** Horizontal 8 pels/mm (203 pels/inch)
Vertical 3.85 lines/mm (98 lines/inch)—Standard
7.7 lines/mm (196 lines/inch)—Fine/Halftone
15.4 lines/mm (392 lines/inch)—Superfine
10. **Scanner Type:** CCD image sensor
11. **Printer Type:** Thermal printing
12. **Data Compression System:** Modified Huffman (MH), Modified READ (MR)
13. **Modem Speed:** 9600/7200/4800/2400 bps; Automatic Fallback
14. **Operating Environment:** 5–35°C (41–95°F), 45%–85% RH
15. **Dimensions (H×W×D):** 122×362×287 mm (413⁄16"×141⁄4"×115⁄16")
16. **Mass (Weight):** Approx. 4.1 kg (9.0 lb.)
17. **Power Consumption:** Transmission: Approx. 15 W / Reception: Approx. 35 W
Copy: Approx. 40 W / Standby: Approx. 5 W
Maximum: Approx. 100 W
18. **Power Supply:** 120 V AC, 60 Hz

*Transmission Time: Transmission times apply to text data using the CCITT No. 1 test chart, between the same machine models at maximum modem speed. Transmission times vary in actual usage.



FCC Information

If required by the telephone company, inform them of the following.

- FCC Registration No.: (found on the rear side of the unit)
- Ringer Equivalence No.: (found on the rear side of the unit)
- The particular telephone line to which the equipment is connected.

This unit must not be connected to a coin operated line. If you are on a party line, check with your local telephone company.

Ringer Equivalence Number (REN):

This REN is useful in determining the quantity of devices you may connect to your telephone line and still have all of those devices ring when your telephone number is called. In most but not all areas, the sum of the REN's of all devices connected to one line should not exceed five (5.0). To be certain of the number of devices you may connect to your line, as determined by the REN, you should contact your local telephone company to determine the maximum REN for your calling area.

In the event that terminal equipment causes harm to the telephone network, the telephone company should notify the customer, if possible, that service may be stopped. However, where prior notice is impractical, the company may temporarily cease service providing that they:

- a) Promptly notify the customer.
- b) Give the customer an opportunity to correct the problem with their equipment.
- c) Inform the customer of the right to bring a complaint to the Federal Communication Commission pursuant to procedures set out in FCC Rules and Regulations Subpart E of Part 68.

The Telephone Company may make changes in its communications facilities, equipment operations, or procedures where such action is reasonably required in the operation of its business and is not inconsistent with the rules and regulations in FCC Part 68. If such changes can be reasonably expected to render any customer terminal equipment incompatible with telephone company communications facilities, or require modification

or alteration of such terminal equipment, or otherwise materially affect its use or performance, the customer shall be given adequate notice in writing, to allow the customer an opportunity to maintain uninterrupted service.

CAUTION:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

When programming emergency numbers and/or making test calls to emergency numbers:

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

This telephone provides magnetic coupling to hearing aids.

Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Limited Warranty

PANASONIC PERSONAL FACSIMILE Limited Warranty

Matsushita 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 U.S.A. or Puerto Rico for one (1) year from the date of original purchase in the event of a defect in materials or workmanship.

Batteries (when applicable)—New rechargeable batteries in exchange for defective rechargeable batteries for ten (10) days from the date of original purchase. Non-rechargeable batteries are not warranted.

Carry-in or mail-in service in the U.S.A. can be obtained during the warranty period from a Matsushita Services Company (MSC) Factory Servicenter listed in the Servicenter Directory. Carry-in or mail-in service in Puerto Rico can be obtained during the warranty period by calling the telephone numbers 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 performance is rendered.

This warranty only covers failures due to defects in materials or workmanship which occur during normal use. It does not cover damage which occurs in shipment or failures which are caused by products not supplied by the warrantor or failures which result from accident, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, modification, or service by anyone other than an MSC Factory Servicenter or an authorized MSC Servicenter or damage that is attributable to Acts of God, including, but not limited to, line surges.

LIMITS AND EXCLUSIONS

There are no express warranties except as listed above.

THE WARRANTOR SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES, INCLUDING, WITHOUT LIMITATION, LOSS OF GOODWILL, PROFITS OR REVENUE, LOSS OF USE OF THIS PRODUCT OR ANY ASSOCIATED EQUIPMENT, COST OF SUBSTITUTE EQUIPMENT, DOWNTIME COSTS, OR CLAIMS OF ANY PARTY DEALING WITH BUYER FOR SUCH DAMAGES, RESULTING FROM THE USE OF THIS PRODUCT OR ARISING FROM BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, OR ANY OTHER LEGAL THEORY.

ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE.

Some states do not allow the exclusion or limitation of 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 the warranty period, you may contact your dealer or the MSC Factory Servicenter or authorized MSC servicenter. If the problem is not handled to your satisfaction, write to the Customer Satisfaction Center at the address indicated on the Servicenter Directory.

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FAX CORRESPONDENCE

TO: _____ DATE: _____

FROM: _____ OUR TEL. NO.: _____

We would like to take this opportunity to introduce you to our Panasonic telephone answering device with facsimile. Our unit will work as a facsimile, an answering device and a standard telephone, so you can send both documents and voice messages on the same call.

Leaving a voice-message and transmitting a document

1. Dial our phone number.
 - Our unit will play the greeting message.
2. Leave your message after the long beep.
3. Press your “*” (asterisk) button **twice** to activate fax reception.
 - A fax tone will sound.
4. Start transmission to send a fax.

Transmitting a document only

1. Dial our phone number.
 - Our unit will play the greeting message.
2. Press your “*” button **twice** while the greeting message is being played.
 - A fax tone will sound.
3. Start transmission to send a fax.

Leaving a voice message and transmitting a document from a rotary (pulse) phone

1. Dial our phone number.
 - Our unit will play the greeting message.
2. Start transmission to send a fax.
3. Make a call reservation (e.g. ...lift the handset) during transmission of your document.
4. Leave your message after the long beep following the greeting message.

Transmitting a document from a rotary (pulse) phone

1. Dial our phone number.
 - Our unit will play the greeting message.
2. Start transmission to send a fax while the greeting message is being played.

Notes:

- If you wish to receive voice messages and documents automatically, set the unit in the ANS/FAX mode.
- “*” button **twice** is called remote fax activation code (see page 47). If you change it into another one, inform callers about pressing the code.

Speed dialer list

Station No.	Name/Phone No.	Station No.	Name/Phone No.
00		24	
01		25	
02		26	
03		27	
04		28	
05		29	
06		30	
07		31	
08		32	
09		33	
10		34	
11		35	
12		36	
13		37	
14		38	
15		39	
16		40	
17		41	
18		42	
19		43	
20		44	
21		45	
22		46	
23		47	

Answering device remote operation card

<p style="text-align: center;">Mailbox Remote Operation</p> <p>Leaving voice/fax messages:</p> <ol style="list-style-type: none"> 1. Call your unit. 2. Press * and the mailbox no. (1, 2 or 3). 3. ■ To leave a voice message (in ANS/FAX mode), speak after a long beep. To send a fax message on the same call, press ** (remote fax activation code), then start transmission. ■ To send a fax message (in ANS/FAX, TEL/FAX or FAX mode), start transmission. 	<p style="text-align: center;">Mailbox Remote Operation</p> <p>Retrieving voice/fax messages:</p> <ol style="list-style-type: none"> 1. Call your unit. 2. Press * and the mailbox no. (1, 2 or 3). 3. Press the mailbox password <input type="text"/> <input type="text"/> <input type="text"/>. —To confirm the number of stored fax messages, press *7. 4. ■ To retrieve a voice message (in ANS/FAX mode), press the remote command key (refer to the reverse side). ■ To retrieve fax messages (in ANS/FAX, TEL/FAX or FAX mode), press *6 and press the start button.
<p style="text-align: center;">Mailbox Remote Operation</p> <p>Leaving voice/fax messages:</p> <ol style="list-style-type: none"> 1. Call your unit. 2. Press * and the mailbox no. (1, 2 or 3). 3. ■ To leave a voice message (in ANS/FAX mode), speak after a long beep. To send a fax message on the same call, press ** (remote fax activation code), then start transmission. ■ To send a fax message (in ANS/FAX, TEL/FAX or FAX mode), start transmission. 	<p style="text-align: center;">Mailbox Remote Operation</p> <p>Retrieving voice/fax messages:</p> <ol style="list-style-type: none"> 1. Call your unit. 2. Press * and the mailbox no. (1, 2 or 3). 3. Press the mailbox password <input type="text"/> <input type="text"/> <input type="text"/>. —To confirm the number of stored fax messages, press *7. 4. ■ To retrieve a voice message (in ANS/FAX mode), press the remote command key (refer to the reverse side). ■ To retrieve fax messages (in ANS/FAX, TEL/FAX or FAX mode), press *6 and press the start button.
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Fold here

Fold here

Fold here

Answering Device Remote Operation

1. Call your unit.
2. Press the remote ANS ID during the greeting message.
3. Press remote command key (refer to right) within 4 seconds.
OR
Wait for 4 seconds. All the recorded messages will be played back.

- The remote operation is available only from a touch tone phone when the unit is in *ANS/FAX* mode.
- When the unit is in *TEL* mode, call your unit and wait for 15 rings. The unit will switch to *ANS/FAX* mode.
- To skip the greeting message, press **0**.

Key Remote Command

1	Repeating a message
2	Skipping a message
4	New message playback
5	All message playback
6	Room monitoring
7	Re-recording greeting message
9	Stopping re-recording of greeting message
*4	Erasing a specific message
*5	Erasing all messages
*8	Fax forwarding ON
*9	Fax forwarding OFF
**	Activating fax function
81	Pager alert ON
82	Pager alert OFF

- Press any key firmly.

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Servicenter directory

PRODUCT INFORMATION • OPERATION ASSISTANCE • LITERATURE REQUESTS • DEALER LOCATIONS

DIAL TOLL FREE: 1-800-HELP-FAX

Customer Satisfaction Center 2F-3, One Panasonic Way, Secaucus, NJ 07094 (Headquarters)
201-348-9090 (9:00am–8:00pm Monday–Friday, EST)

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Phone (708) 299-1700
Fax (708) 299-1710

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Matsushita Services Company Box 01, 545 Tollgate Road Suite C, Elgin, IL 60123
(8:00am–7:30pm Monday–Thursday; 8:00am–5:00pm Friday; 9:00am–12:30pm Saturday; CST)
(Visa, Mastercard, Discover card, Check or Money Order)

(940905)

FAX ADVANTAGE PROGRAM

We are proud to present the Panasonic Fax Advantage Program. It's an incredible service program that's full of exciting advantages!

Customer Satisfaction

In support of our one-year limited warranty* (parts and labor) on our current fax product line, Panasonic is proud to offer you the following service options during the limited warranty period:

- 1 If you mail-in or carry-in your fax unit to one of our Regional Service Centers, the product will be repaired and returned to you, or...
- 2 If you call our 1-800-HELPFAX toll-free number, you will receive a refurbished replacement product overnight or on the second business day (delivery depending on the time of your call.)

Support After The Sale

If you have a problem with your fax, just call our 1-800-HELPFAX toll-free number for friendly support and assistance. We have a highly-qualified team of experts who can diagnose, and most likely solve, your problem over the phone. Approximately 90% of our customers' problems are resolved with just a simple phone call.

The Fax Advantage Program covers the first year of purchase and works like this:

- 1 If you have a problem with your fax, call toll-free 1-800-HELPFAX.
- 2 Talk to one of our experienced technical experts to diagnose (and most likely solve) your problem over the phone.
- 3 Providing that you may be entitled to Panasonic's service under the terms and conditions of the limited warranty**, we will arrange for a reconditioned replacement unit to be shipped to you overnight or second business day delivery, depending on the time of your call. The replacement unit will be completely refurbished, quality-tested by Panasonic technicians, and individually hand-inspected before it is shipped to you. You will keep the replacement unit and send your



original unit to us, along with a copy of your receipt.

4 This receipt must be shipped back with your original unit to Panasonic Company (as per instructions enclosed in your replacement unit's box).

Any unit that is replaced by Panasonic and not backed up by a proof of purchase by you will be subject to a minimum \$100.00 charge. Any unit that is replaced, but does not meet the terms and conditions of the limited warranty will be subject to additional charges, as per the program guidelines.

5 Once you receive your replacement unit, pack up your problem unit in the replacement unit's box. UPS will make 3 attempts within 10 days to pick-up your defective unit at no charge to you (should you be entitled to warranty service. If warranty conditions do not apply, you will be charged for all applicable shipping charges). *The product must be properly packaged in the same manner as the replacement unit, utilizing the packing materials provided.* You must make your unit available for UPS pick-up. If your unit is not available for UPS, you will be responsible for shipping unit back at your expense. Damage due to improper or inadequate packing will be charged back to your charge card as an out-of-warranty cost, as per the warranty stipulations (see back panel.)

Requirements:

6 You must give our technicians a valid credit card number. They will keep this number on file to cover any charges that are incurred by failure to send the problem product to Panasonic Company. If your problem unit is not eligible for warranty, you will be charged for the repair of the unit and for any shipping charges associated with this program. If you do not wish to pay out-of-warranty repair costs, you will be responsible for returning the replacement unit to Panasonic and for paying all shipping charges associated with this program including the overnight delivery of replacement product to you, shipment of problem unit to Panasonic, the replacement unit back to Panasonic and the return of your original unit back to you.

Acceptable credit cards:

Discover VISA
Master Card American Express (Optima)

Product that is not returned to Panasonic by 10 business days after shipment of the replacement product, will be charged to your account at Panasonic's Suggested Retail Price (see dealer for details).

Credit status will be verified prior to sending the replacement product.

Proof of Purchase must be included with the returned unit to verify warranty status.

Any parts and labor that are not covered by the limited warranty* will be charged as a non-warranty repair and billed at Panasonic's current rate for parts and labor.

*See back panel for one-year limited warranty.

**Replacement program excludes Puerto Rico and is subject to termination at any time without advance notice.

Matsushita 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