

Panasonic

Operating Instructions

Telephone Answering System
with Facsimile

Model No. **KX-F390**
KX-F390BX



Please read these Operating Instructions before using the unit.

Charge the battery for about 15 hours before initial use of the cordless handset.



The unit in this picture is KX-F390.

Please read **IMPORTANT SAFETY INSTRUCTIONS** on page 161 before use. Read and understand all instructions.

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.

CAUTION:

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

IMPORTANT:

These operating instructions are written for the KX-F390 (U.S.A version model) users and KX-F390BX users. The model number will be found on the rear side of the unit. Check it before reading these instructions.

For the United States Only

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 39 to 44 in these Operating Instructions.

Important Phone Numbers

Authorized Service Center: 1-800-545-2672

Accessory Purchases: 1-800-332-5368

Technical Support: 1-800-HELP-FAX

This serial number of the unit may be found on the label on the rear of the main unit. For your convenience, note this number below, and retain this book, along with your proof of purchase, to serve as a permanent record of your purchase in the event of theft or for future reference.

MODEL NO.: _____ NAME OF DEALER: _____

SERIAL NO.: _____ DATE OF PURCHASE: _____

ADDRESS OF DEALER: _____

Any details given in these instructions are subject to change without notice.
The illustrations in these Operating Instructions may vary slightly from the actual product.

Chapter

Before Using

Installation and Initial Preparation

Facsimile and Copier

Answering Device

*Using the Cordless Handset
and the Speaker-phone*

Special Features

Registration

Troubleshooting and Maintenance

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Features

Multi-function system using one telephone line

General

- Desktop type
- LCD (Liquid Crystal Display) readout
- Automatic paper cutter
- Paper curl reduction technology
- Automatic voice/facsimile switching (page 53)
- Silent ring fax recognition system (page 132)
- Help function (page 9)

900MHz Cordless Handset

- LCD readout for number dialed, battery strength, and more (page 20)
- Remote control for facsimile reception and answering device (pages 79 and 80)
- Automatic intercom (page 84)
- A spare battery for continuous use of the cordless handset (pages 28 and 151)

Facsimile

- 17-second transmission speed*
- Sends/receives 216 mm (8½")×600 mm (23⅝") pages at ITU-T G3
- Automatic document feeder (up to 10 pages)
- One-touch sending buttons
- 16-level halftones
- Resolution: standard/fine/super fine/halftone (page 47)
- Delayed transmission (page 90)
- Network passcode communication** (page 92)
- Paper save function (page 133)
- Overseas transmission mode (page 51)

*Transmission times apply to text data using ITU-T No. 1 test chart, between same machine models at maximum modem speed. Transmission times vary in actual usage.

**This feature is effective between other compatible facsimile machines that have the same passcode.

Panasonic-compatible facsimile machines are: e.g. KX-F90, KX-F110, KX-F130, KX-F230

Answering Device

- Recordable greeting message chip
- One-touch message playback
- Tone remote control system (pages 65 and 80)
- Message memo recording (page 63)
- New message playback (page 61)

Integrated Telephone System

- 12-station one-touch dialer (page 108)
- 100-station speed dialer (page 110)
- Hands-free speakerphone with mute (pages 76 and 105)

Copier function

- Extension copy (page 99)

Four types of receiving modes

This unit provides the following types of receiving modes.
Depending on your situation, select the desired mode.

ANS/FAX (Answering device/Facsimile) mode:

When you are out of the office, and you wish to use the unit as a telephone answering device and a facsimile machine, select this mode.

The unit will automatically record a voice message and/or receive a document during your absence when a call comes in.

You should record your greeting message in the unit before using this mode.

TEL/FAX (Telephone/Facsimile) mode:

When you are in the office, and you wish to use the unit as a telephone and a facsimile machine, select this mode.

The unit will automatically receive a document when a fax call comes in.

You can use the unit as a telephone when you answer a call during ringing.

You cannot use the answering device feature provided.

FAX (Facsimile) mode:

When you wish to use the unit as a facsimile machine only, select this mode.

When a fax call comes in, the unit will automatically receive a document.

When a voice call comes in, the unit will emit a fax tone to the calling party, and you cannot talk to the other party.

Also you cannot use the answering device feature provided.

TEL (Telephone) mode:

When you wish to use the unit as a telephone, select this mode.

If you receive a fax call, you are able to receive a document manually. Automatic fax reception is not available.

Also you cannot use the answering device feature provided.

But the unit will be able to change to the ANS/FAX mode from the TEL mode automatically when the unit rings fifteen times.

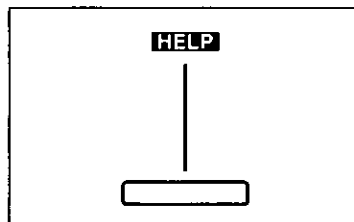
For further details, see page 34.

NOTE:

- Making calls and transmitting documents are possible in every receiving mode.

Help function

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



If **HELP** is pressed:

- While programming, the unit will print the relevant programming instructions.
- In idle status, the unit will print information on how to send documents, how to set up, how to store phone numbers, etc.

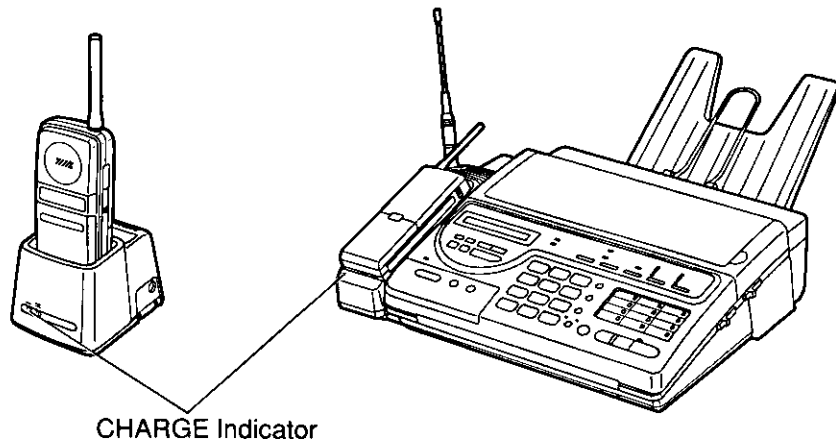
For best performance

Battery charge

To power the cordless handset, install the battery and charge it before initial use.

Place the cordless handset, either in the battery charge cradle on the main unit or in the battery charger, for about 15 hours.

- The CHARGE indicator light will be on.
- The battery cannot be overcharged.



NOTES:

- Clean the charge contacts with a soft cloth once a month, or the battery may not charge properly.
- Once the battery is fully charged, you do not have to charge the cordless handset battery until “+C □” flashes on the display of the cordless handset.
- When “+C □” flashes or beep tone sounds every 15 seconds during a conversation, recharge the battery or replace it with a fully recharged spare battery.

Standard battery life

If your Panasonic battery is fully charged:

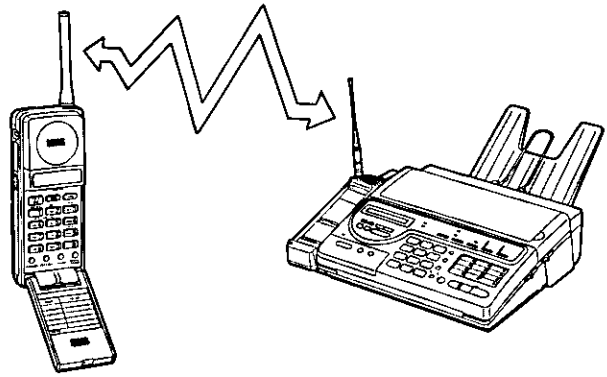
In TALK mode	For KX-F390: Approx. 4 hours For KX-F390BX: Approx. 2.5 hours
In Stand-by mode	For KX-F390: Approx. 30 hours For KX-F390BX: Approx. 20 hours

(Battery life may vary depending on usage conditions and ambient temperature.)

Operating range

Range of operation depends on the construction of your office, weather or usage conditions, because calls are transmitted between the main unit and the cordless handset by wireless radio waves.

Normally you may get longer range outdoors than indoors. If there are obstacles such as walls, noise may prevent your telephone calls. In particular, high metal shelves or cement-iron walls will shorten the operating range.

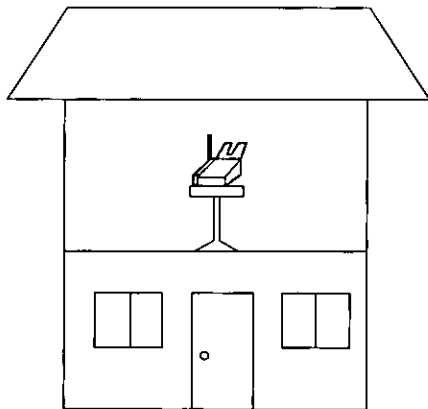


NOTE:

- In the United States, range of operation is determined by the maximum power allowed by FCC rules.

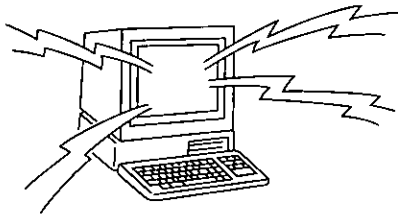
For maximum range

It is best to place the main unit in a HIGH and CENTRAL location of the office, with no obstructions. Set the main unit antenna in the upright position for best reception.



Noise

Occasional noise or interference may occur due to other random radio waves.

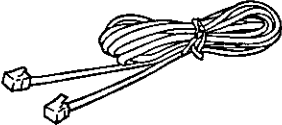
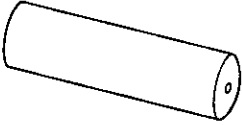
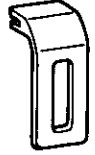
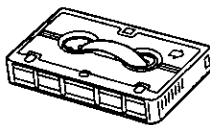
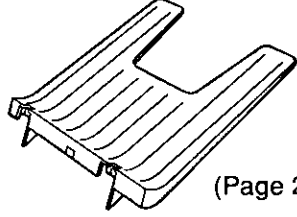
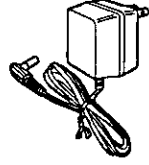

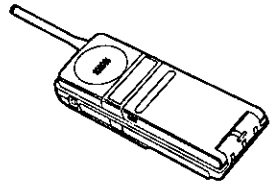
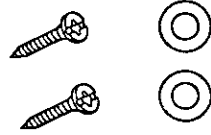
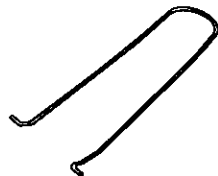
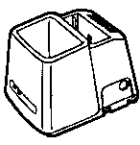
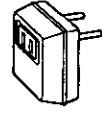
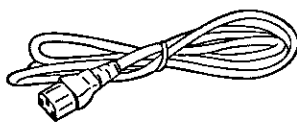
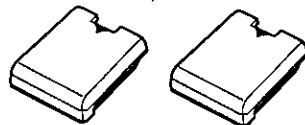
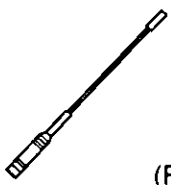


Electrical appliances such as a refrigerator, microwave oven, another fax, TV, radio, or personal computer might interfere with the telephone conversation or shorten the operating range.

If noise affects your telephone calls, keep the main unit or telephone line cord away from electrical appliances.

Enclosures

After removing the unit from the packing carton, examine the unit for signs of shipping damage and check to make sure that all of the enclosures are included.

<p>Telephone Line Cord 1</p>  <p>(Page 22)</p>	<p>Recording Paper 1</p>  <p>(Page 24)</p>	<p>Handset Clip 1</p>  <p>(Page 31)</p>
<p>Microcassette Tape 1</p>  <p>(Page 23)</p>	<p>Receiving Tray 1</p>  <p>(Page 22)</p>	<p>AC Adaptor 1</p>  <p>(Page 29)</p>
<p>Paper Roll Holders 2 (For the recording paper with a 1/2 inch core)</p>  <p>(Page 25)</p>	<p>Cordless Handset 1</p>  <p>(Page 28)</p>	<p>Screws and Washers 2</p>  <p>(Page 30)</p>
<p>Diverter 1</p>  <p>(Page 22)</p>	<p>Battery Charger 1</p>  <p>(Page 29)</p>	<p>Plug Adaptor* 1</p>  <p>(Page 29)</p>
<p>Power Cord 1</p>  <p>(Page 22)</p>	<p>Batteries 2</p>  <p>(Pages 28 and 151)</p>	<p>Antenna* 1</p>  <p>(Page 22)</p>

NOTE:

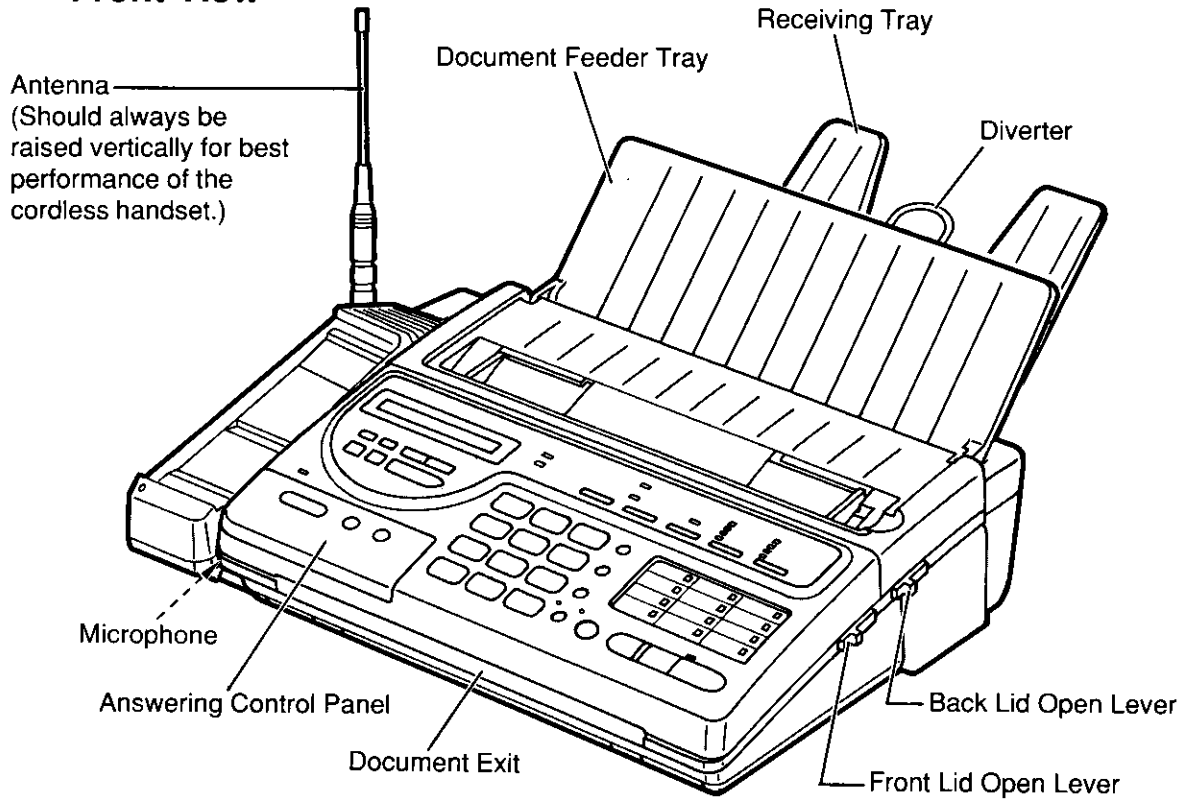
• If you are missing any item, consult place of purchase.

*The antenna and the plug adaptor are provided with KX-F390BX only.

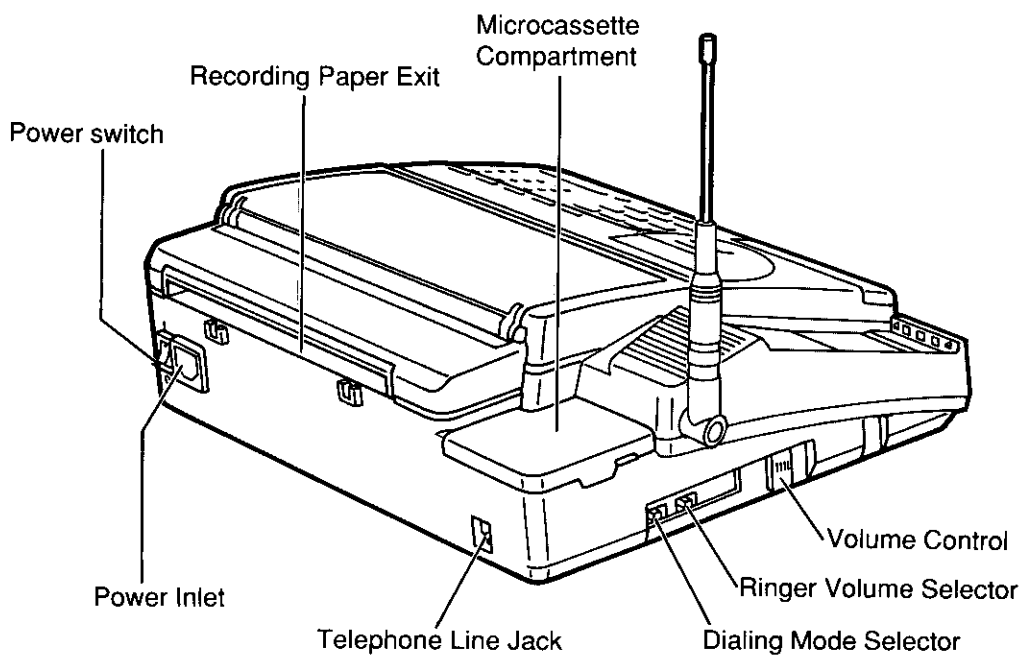
Location of Controls

Main unit

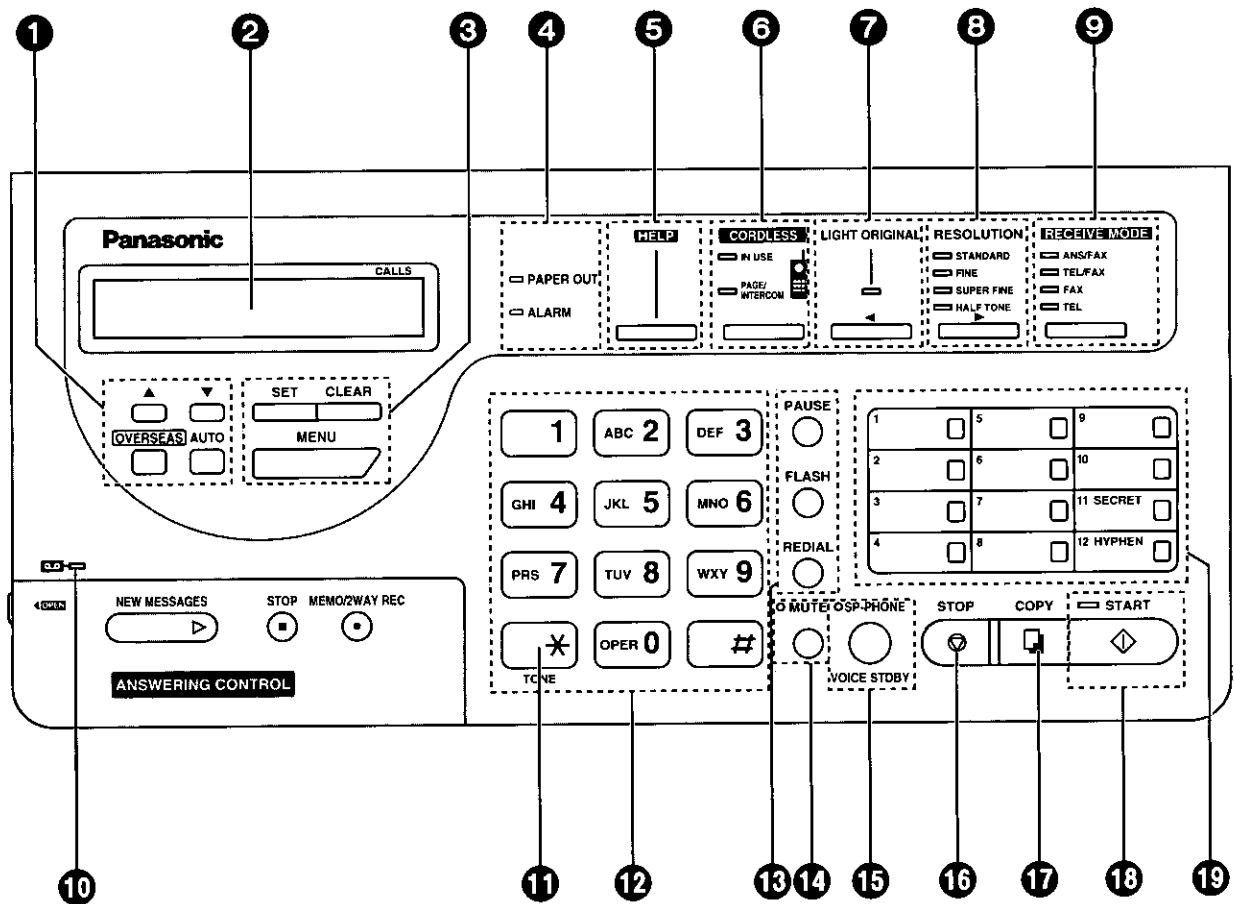
Front View



Rear View



Operation Panel



- 1 ▲ Button** (Page 38) Used to reverse the items in the programming functions.

▼ Button (Page 38) Used to advance the items in the programming functions.

OVERSEAS Button (Page 51) Used for overseas facsimile transmission.

AUTO Button (Pages 50 and 110) Used for speed dialing.
- 2 LCD (Liquid Crystal Display)** Provides convenient information.
- 3 SET Button** (Page 38) Used to store parameters during programming.

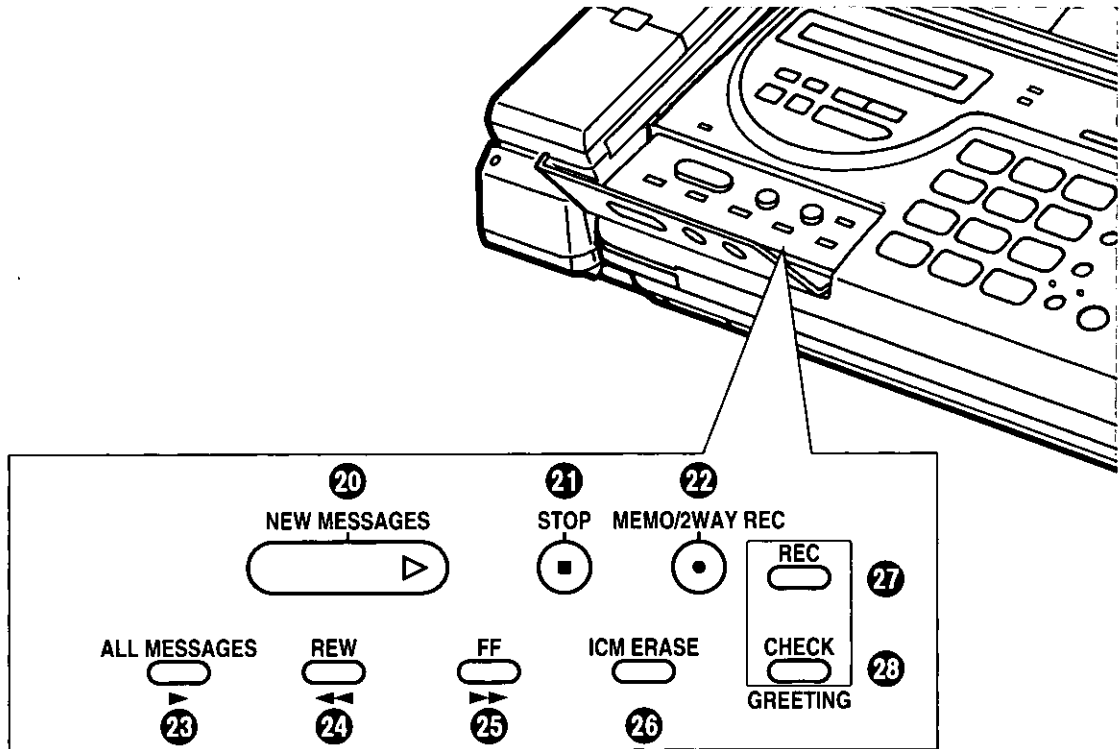
CLEAR Button (Page 38) Used to clear the previously entered parameters during programming.

MENU Button (Page 38) Used to start delayed transmission, system setup, etc.
- 4 PAPER OUT Indicator** (Page 25) The indicator lights when the recording paper roll is empty.

ALARM Indicator (Page 144) The indicator lights when any trouble occurs.

- 5 HELP Button** (Page 9) Used to print easy guides of programming and operating instructions.
- 6 IN USE Indicator** The indicator flashes when the cordless handset is used.
- PAGE/INTERCOM Button and Indicator** (Page 85) Used to place an intercom call. The indicator lights when this feature is on.
- 7 LIGHT ORIGINAL Button and Indicator/◀ Key** (Page 47) Used when transmitting or copying originals with faint writing. The indicator lights when this feature is on. Also used as the cursor key during programming.
- 8 RESOLUTION Button and Indicators/▶ Key** (Page 47) Used to adjust scanning line density. The indicators light to show which setting you are using. Also used as the cursor key during programming.
- 9 RECEIVE MODE Button and Indicators** (Page 34) Used to select the desired receiving mode. The indicators light to show the mode in which the unit is set.
- 10 ANS (☎) Indicator** (Page 60) The indicator flashes when any new incoming messages have been recorded.
- 11 TONE Button** (Page 104) Used to temporarily change the dialing mode from pulse to tone during a dialing operation.
- 12 Dial Keypad/Character Keys** (Pages 43 and 44) Used to dial phone numbers or enter parameters while programming. Also used as character keys when logo and station names are programmed.
- 13 PAUSE Button** (Page 105) Used to insert a pause into a phone number during a dialing operation or programming.
- FLASH Button** (Page 105) Used to access some features of your host private branch exchange.
- REDIAL Button** (Pages 48 and 77) Used to redial the last dialed number.
- 14 MUTE Button and Indicator** (Page 105) Used for voice muting. The indicator lights when this feature is on.
- 15 SP-PHONE/VOICE STDBY Button and Indicator** (Pages 48, 76 and 101) Used for on-hook dialing and voice contact features. The indicator lights when these features are on.
- 16 STOP (⊘) Button** (Pages 51 and 58) Used to interrupt fax or copying operation.
- 17 COPY Button** (Page 58) Used to start copy functions.
- 18 START Button and Indicator** (Pages 48 and 52) Used to start transmission, reception or print lists and reports. The indicator lights when these features are on.
- 19 Direct Call Station Keys/ Character Keys** (Pages 43, 50 and 108) Used for one touch dialing. Also used as character keys when logo and station names are programmed.

Answering Control Panel



20 NEW MESSAGES Button
(Page 61)

Used to play back only new messages.

21 STOP (■) Button (Page 61)

Used to stop operations of answering device.

22 MEMO/2WAY REC Button
(Pages 63 and 64)

Used to start and stop recording of a memo message or a telephone conversation.

23 ALL MESSAGES Button
(Page 61)

Used to play back all the recorded messages.

24 REW (Rewind) Button
(Page 62)

Used to run the tape quickly backward to a desired point.

25 FF (Fast Forward) Button
(Page 62)

Used to run the tape quickly forward to a desired point.

26 ICM ERASE Button
(Page 62)

Used to erase recorded incoming messages at high speed.

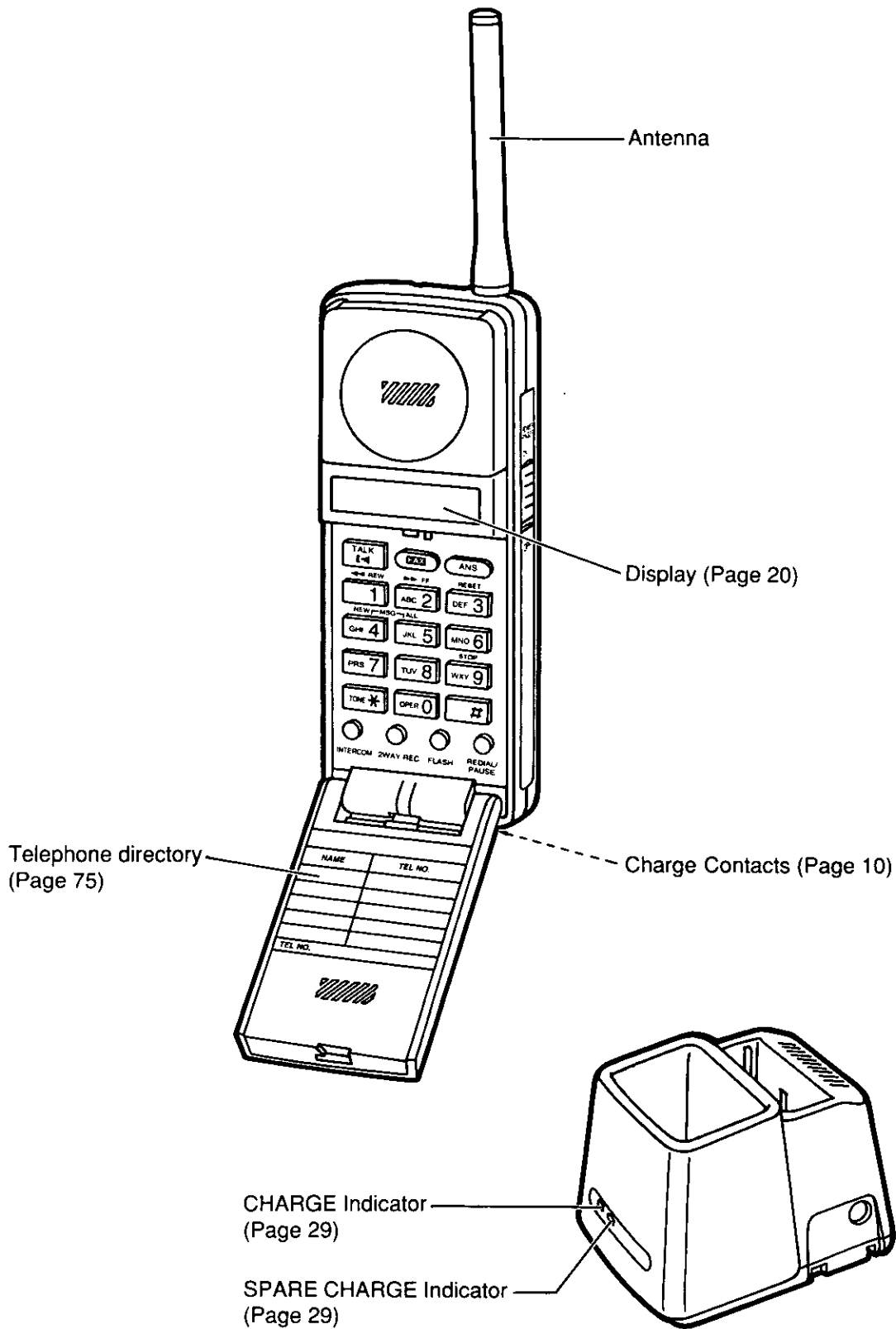
27 REC Button (Page 32)

Used to start and stop recording of a greeting message.

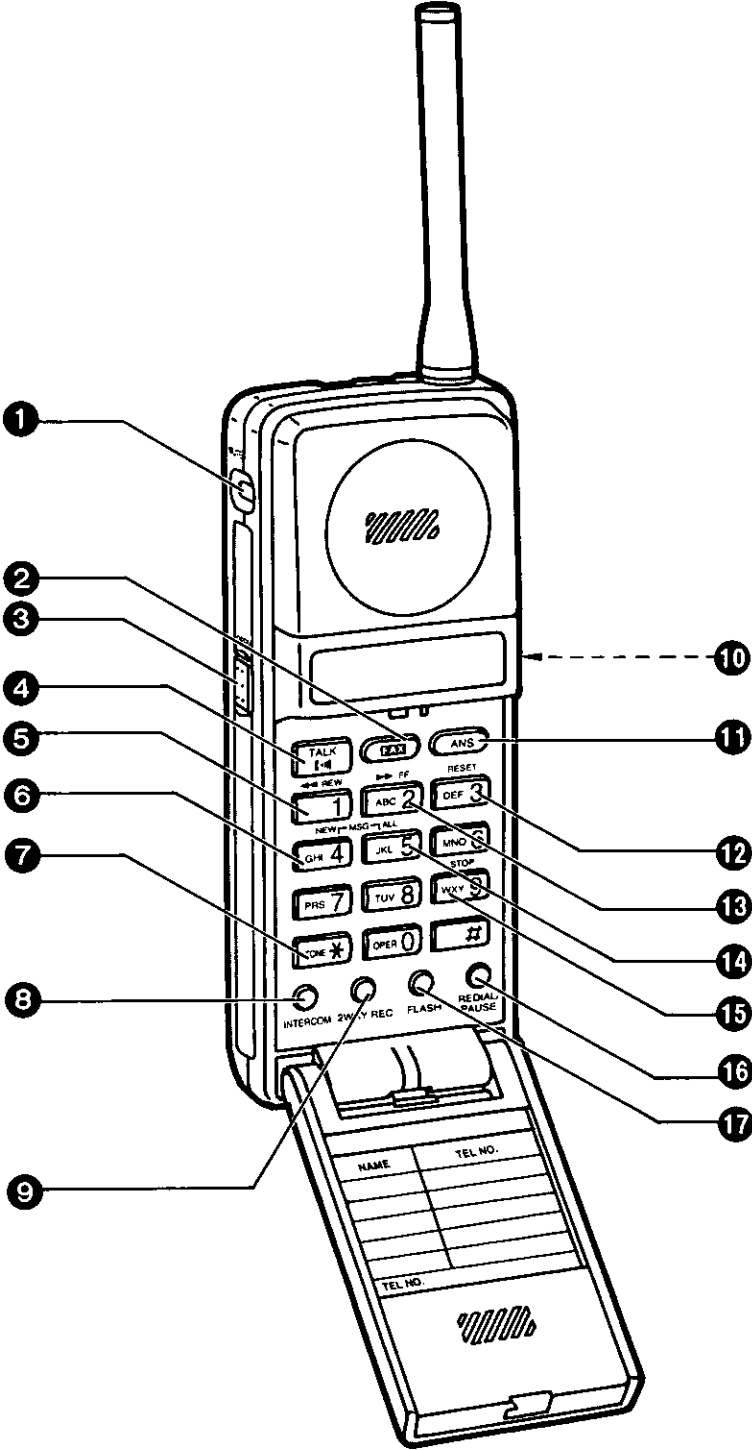
28 CHECK Button (Page 33)

Used to replay your greeting message.

Cordless handset and battery charger



Buttons on the cordless handset



1 MUTE Button (Page 105)	Used for voice muting.
2 FAX Button (Page 79)	Used to start or interrupt fax reception.
3 OPEN Button (Page 74)	Used to open the cordless handset.
4 TALK Button (Pages 74 and 75)	Used to make and answer a call.
5 REW Button (Page 82)	Used to run the tape quickly backward to a desired point.
6 NEW Button (Page 81)	Used to play back newly recorded messages.
7 TONE Button (Page 104)	Used to temporarily change the dialing mode from pulse to tone during a dialing operation.
8 INTERCOM Button (Page 84)	Used to place/receive an intercom call.
9 2 WAY REC Button (Page 83)	Used to start and stop recording of a telephone conversation.
10 POWER/RINGER Switch (Page 30)	Used to turn on the cordless handset and the ringer.
11 ANS Button (Page 81)	Used to access the answering device from the cordless handset.
12 RESET Button (Page 82)	Used to rewind the tape.
13 FF Button (Page 82)	Used to run the tape quickly forward to a desired point.
14 ALL Button (Page 81)	Used to play back all the recorded messages.
15 STOP Button (Page 81)	Used to stop playback.
16 REDIAL/PAUSE Button (Pages 75 and 105)	Used to redial the last dialed number. Also used to insert a pause into a phone number during a dialing operation.
17 FLASH Button (Page 105)	Used as hookswitch. Also used to access some features of the host exchange.

Display



(This display shows all the possible configurations.)

0 1-03-40

The call duration is displayed during a conversation.
(Example: 1 hour 3 minutes 40 seconds)



The cordless handset is making or answering a call.
(Pages 74 and 75)

INTERCOM

You are having an intercom call. (Page 85)

ANS

You are operating the answering device from the cordless handset. (Page 81)

ANS
(flashing)

The answering device is answering an incoming call.

FAX

The main unit is receiving or transmitting documents.
(Page 79)



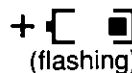
The battery is fully charged.



The battery strength is medium.



The battery strength is low.



The battery needs to be charged. (Page 147)



While dialing, a pause is entered by pressing the REDIAL/PAUSE button. (Page 105)



“#” is pressed when the dialing mode is TONE.



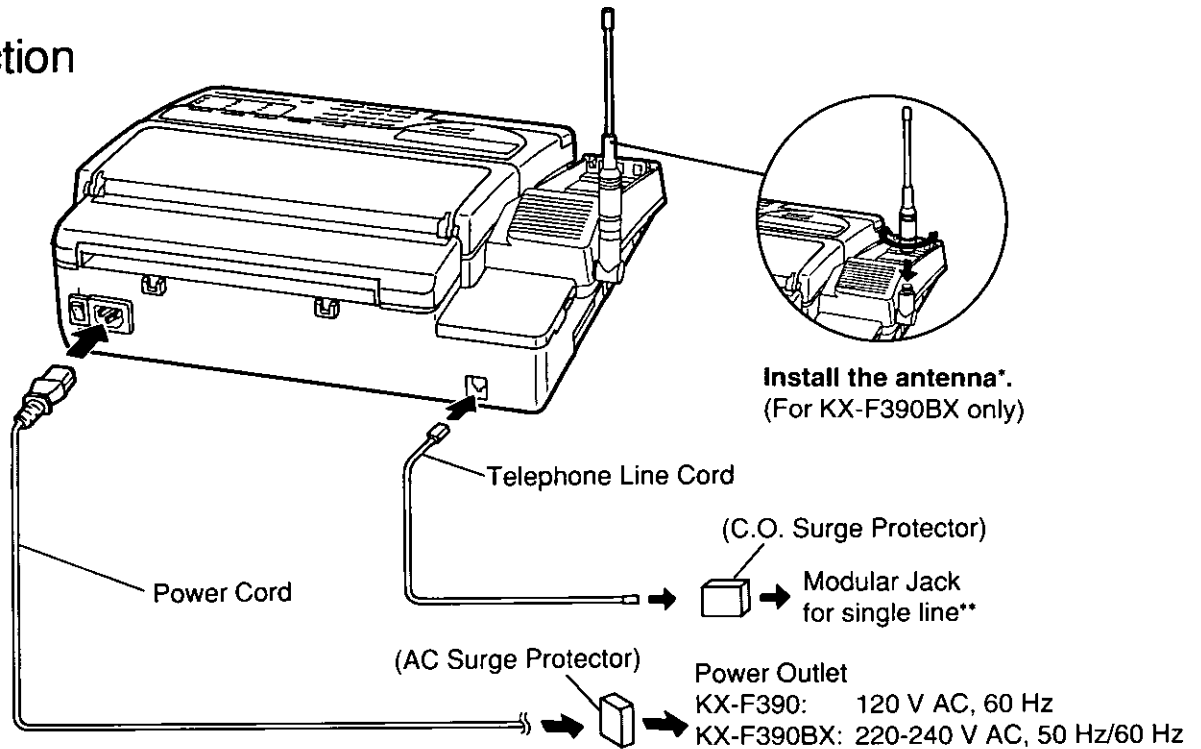
“*” is pressed when the dialing mode is TONE.

Chapter 1

Installation and Initial Preparation

Installing the Main Unit

Connection



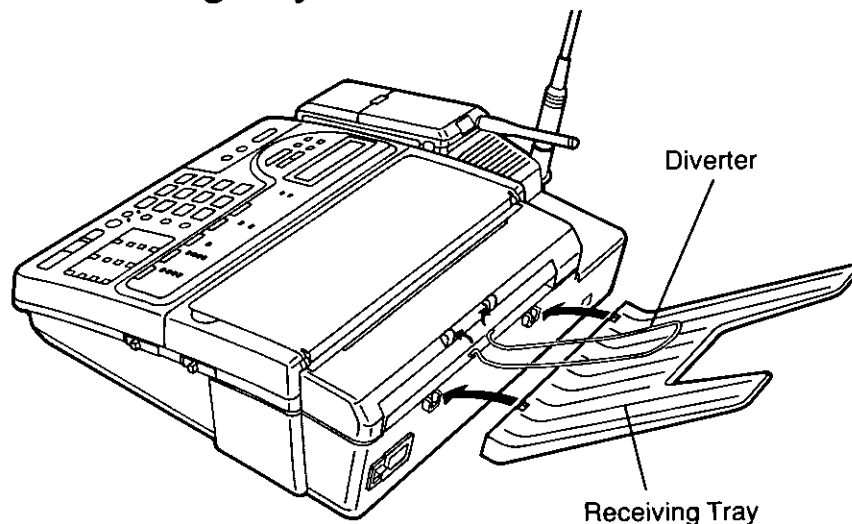
*For KX-F390/U.S.A. version model, the antenna is already attached to the main unit and cannot be removed from the unit or changed to other one.

**In the U.S.A., plug the telephone line cord into the RJ11C jack.

NOTES:

- This unit is equipped with a 3-wire grounded type plug for safety. If you are unable to insert the plug into your outlet, contact your electrician to replace your outlet.
- We recommend the use of an exclusive power outlet to avoid interference from other equipment.
- Connection to integrated answering machines is not recommended.
- For additional equipment protection we recommend the use of a surge protector. In the U.S.A. the following type of surge protectors are available; TELESPIKE BLOK MODEL TSB (TRIPPE MFG. CO.), SPIKE BLOK MODEL SK6-0 (TRIPPE MFG. CO.), SUPER MAX (PANAMAX) or MP1 (ITW LINX). For KX-F390BX users consult with your service center.

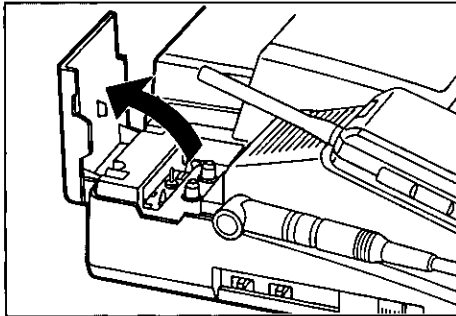
Installing the receiving tray and the diverter



Installing the microcassette tape

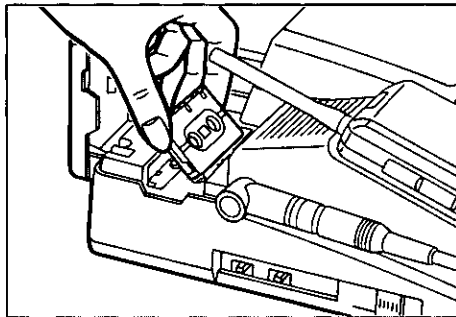
The microcassette tape is used to record incoming messages.

1



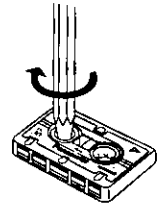
Pull up the cassette compartment cover.

2

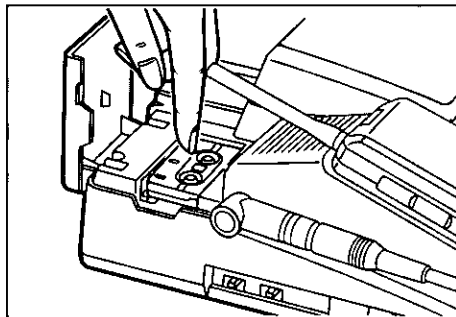


Insert the microcassette tape into the compartment with the full reel to the left, making sure that there is no slack in the tape.

—If there is any slack, remove it using a pencil and rotating the reel.

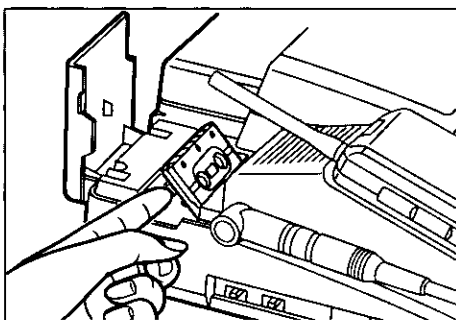


3



Push the microcassette tape down. Then close the cassette compartment cover.

To remove the microcassette tape:



Lift the microcassette tape as shown, then remove it.

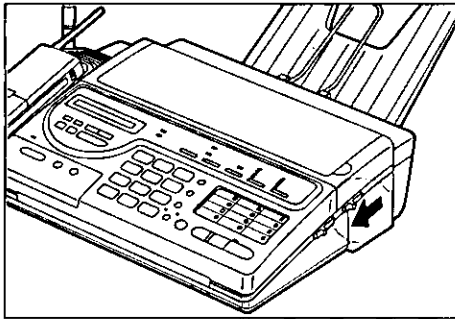
NOTE:

- Never place a cassette tape near a magnetic source such as a magnet or a TV set. It may erase or interfere with any messages on the tape.

Installing the recording paper

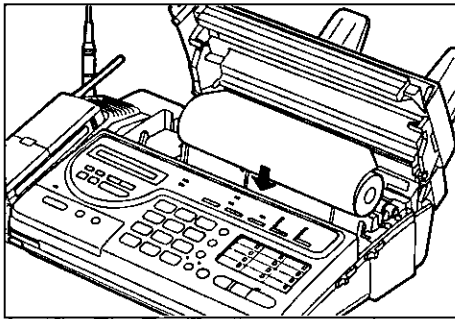
Installing the included roll of recording paper or a roll with a 1 inch core:

1

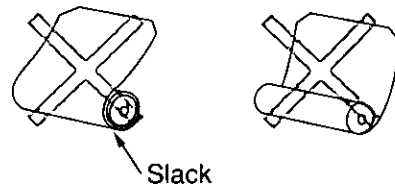


Slide the back lid open lever forward to open the paper compartment cover.

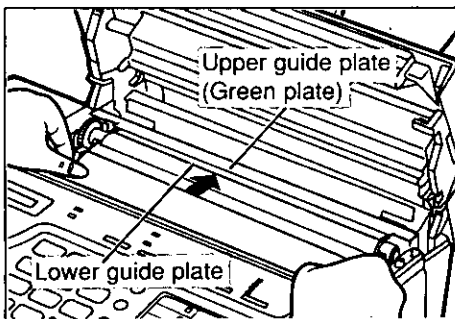
2



Place a paper roll in proper direction, making sure that there is no slack in the paper roll.

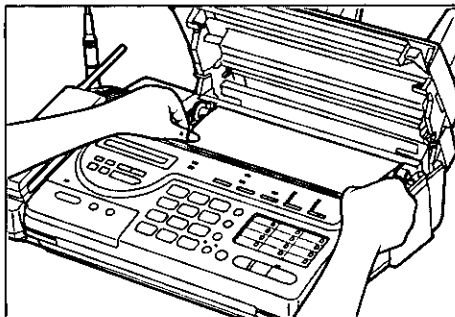


3



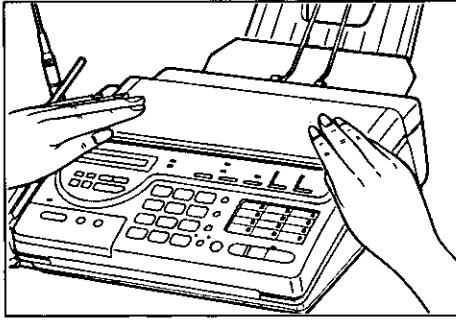
Insert the leading edge of paper between the upper guide plate (green plate) and the lower guide plate.

4



Pull the paper a few centimeters (one or two inches) out of the unit.

5



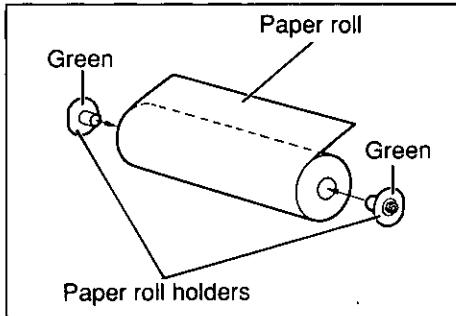
Close the paper compartment cover carefully by pressing down on both ends gently.

When the unit is turned on, the recording paper will be advanced slightly and cut automatically.

1

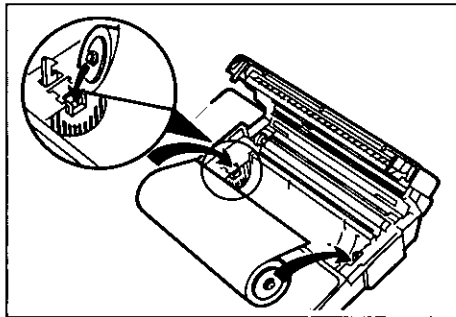
When using recording paper with a 1/2 inch core:
Install the paper roll holders.

1



Fix the holders on both sides of the paper roll.

2



Insert the left projection of the paper roll holder into the left groove.
Then insert the right projection into the right groove, while pushing the paper roll to the left.

Continue the procedures from step 3 on page 24.

NOTES:

- Use only the included roll or high quality recording paper recommended by Panasonic or else the print quality may be affected and/or excessive thermal head wear may occur.
- Replace the paper roll with a new one;
 - when the red lines appear on both sides of the paper.
 - when the PAPER OUT indicator light is on.
 - when the display shows the following message:

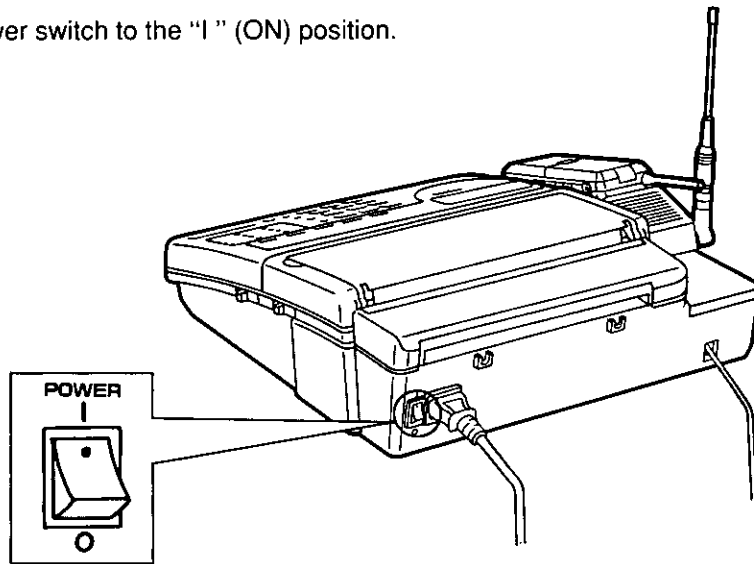
SAT JAN 1 3:00PM 00 OUT OF PAPER

Turning the power switch on

Before turning the power switch on, confirm the following:

- All connections are completed.
- The cassette tape and the recording paper are installed properly.

Turn the power switch to the "I" (ON) position.

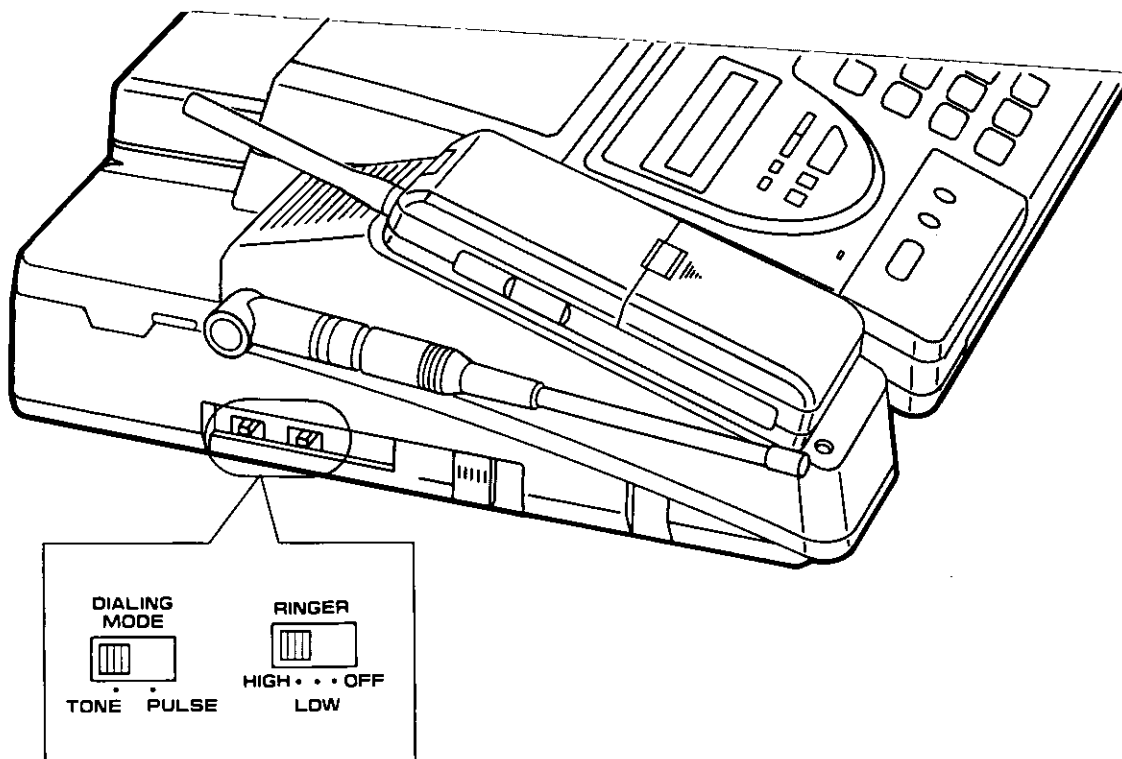


When you turn on the unit for the first time, the display will show the following message:

```
SAT JAN 1 12:00AM --  
* RECORD GREETING *
```

This shows that the greeting message is not recorded. Record your greeting message (see page 32).

Setting selectors



1

Dialing mode selector:

If your line has,

- Touch tone service, set the selector to **TONE**.
- Rotary pulse dial service, set the selector to **PULSE**.

Ringer volume selector:

HIGH: The main unit's ringing sound will be loud.

LOW: The main unit's ringing sound will be soft.

OFF: The main unit will not ring.

(These settings do not concern the cordless handset.)

HELPFUL HINT for setting the dialing mode:

You can ascertain what type of exchange the unit is connected to using the following procedure:

1. Ensure that the DIALING MODE selector is set to TONE.
2. Press the SP-PHONE button on the main unit, 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.

Installing the Cordless Handset

Two rechargeable batteries are provided. Use one battery on the cordless handset, and the other as a spare battery for continuous use of the cordless handset.

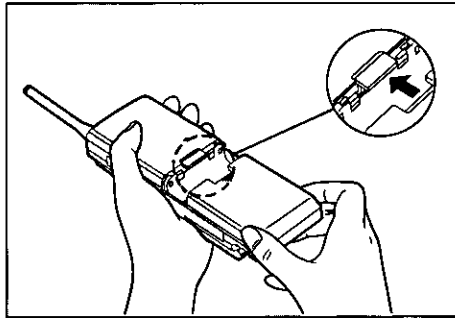
Charge the batteries before their initial use. You can charge the rechargeable battery after attaching it to the cordless handset. It is charged by placing the cordless handset, either in the battery charge cradle on the main unit or in the battery charger.

The spare battery can be also charged by placing it directly in the battery charger.

When the cordless handset battery needs charging, replace it with the spare battery charged in the battery charger and you can use the cordless handset continuously (see page 151).

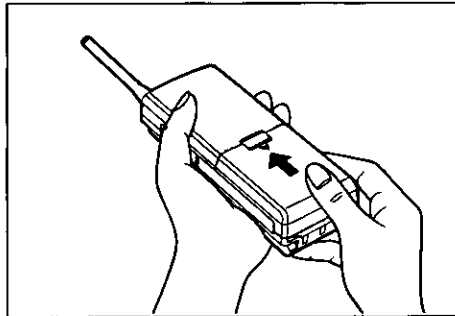
Installing and charging the cordless handset battery

1



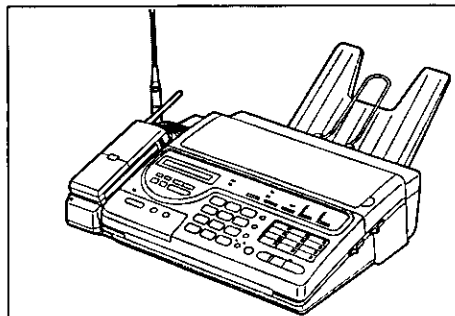
Fit the projections on the battery into the ditches of the cordless handset.

2



Slide the battery up by pressing down until it clicks.

3



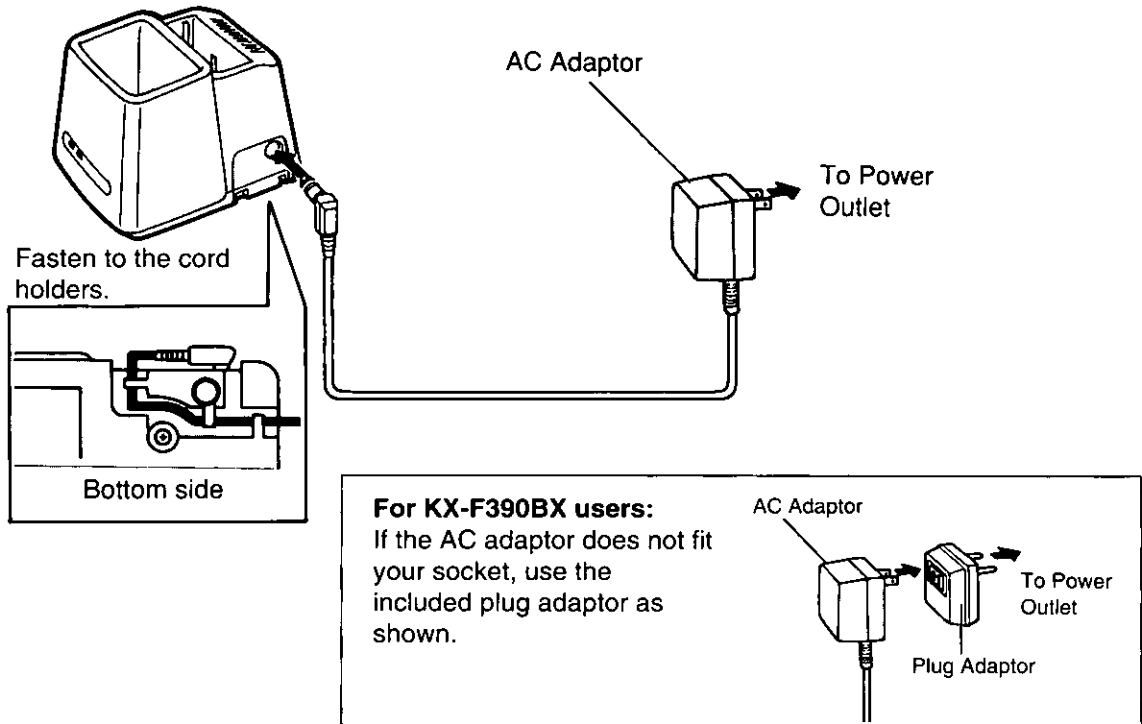
Place the battery-attached cordless handset in the battery charge cradle on the main unit.

NOTES:

- The battery is always being charged in the battery charge cradle while the main unit is turned on. The battery will not be overcharged.
- The battery needs 15 hours of charging time. The CHARGE indicator light will be on while the battery is in the cradle.

Using the battery charger

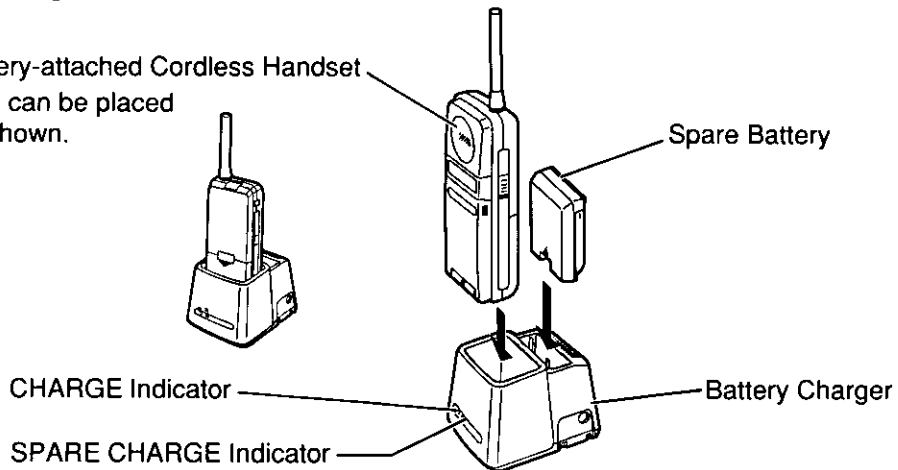
Connection



Charging the batteries

Place the battery-attached cordless handset and the spare battery in the battery charger. You can charge both or either of the two.

Battery-attached Cordless Handset
This can be placed as shown.

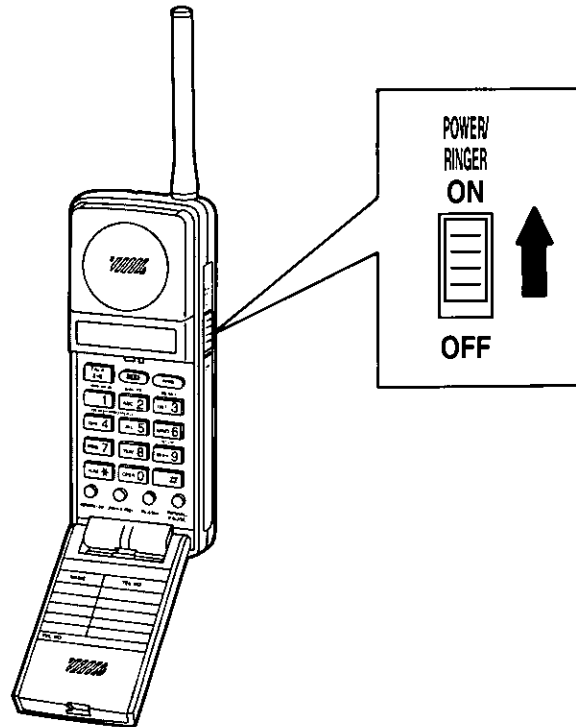


NOTES:

- The batteries are always being charged in the battery charger while the AC adaptor is connected. The batteries will not be overcharged.
- The batteries need 15 hours of charging time. The CHARGE indicator and the SPARE CHARGE indicator light will be on while the batteries are in the battery charger.

Turning the power/ringer switch on

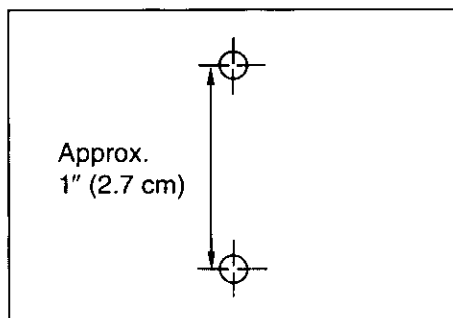
Set the POWER/RINGER to the ON position. If set to the OFF position, battery power will be saved, but the cordless handset will not operate or ring.



Wall mounting

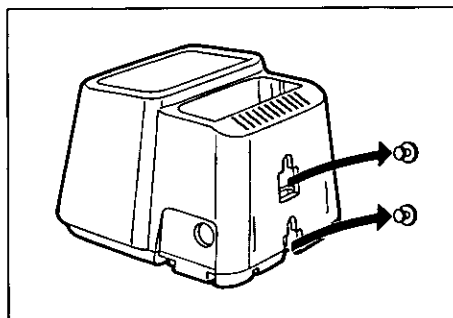
The battery charger can be mounted on a wall using the screws and washers provided.

1



Drill two holes spaced approx. 1 inch (2.7 cm) apart.

2

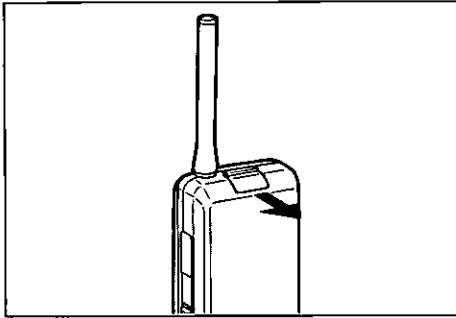


Install screws and washers.
Mount the unit on the screws, then hook securely as shown.

Installing the handset clip

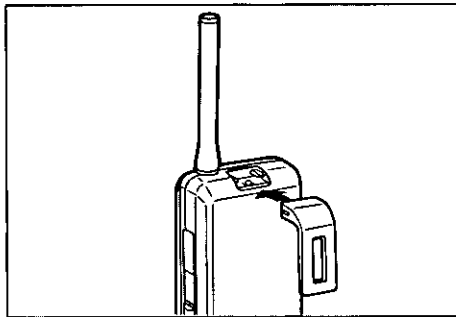
You can hang the cordless handset on your pocket by attaching the handset clip.

1



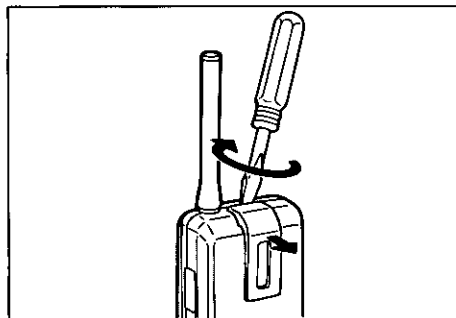
Slide the cover in the direction of the arrow to remove it.

2



Insert the handset clip in the direction of the arrow.

To remove the handset clip



Slide the handset clip in the direction of the arrow using a screwdriver or the like.

1

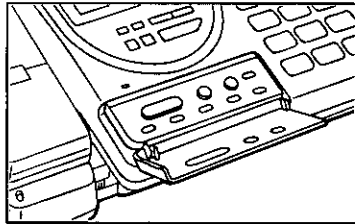
Recording Your Greeting Message

Record a greeting message before using your machine as an answering machine and a facsimile.

The greeting message tells the caller that you are unable to answer, and allows him or her to leave a voice-message or to send a fax message.

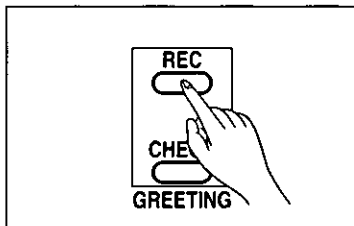
Recording time is limited to 16 seconds. Record your greeting message within 12 seconds for optimum performance.

1



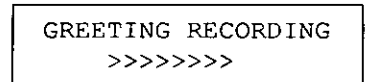
Open the panel.

2

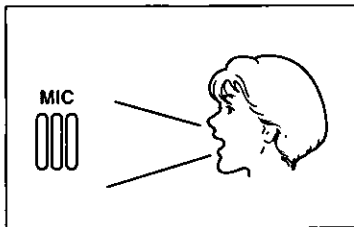


Press **REC**.

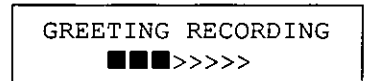
A beep is heard.



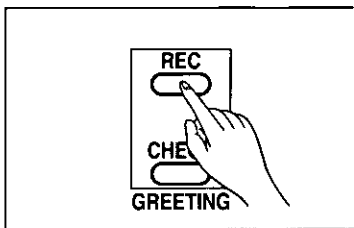
3



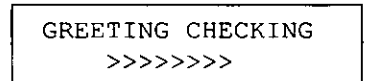
Immediately after the beep, speak clearly and loudly toward the microphone from a distance of approximately 20 cm (8 inches).



4



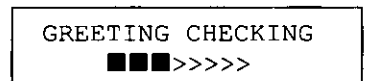
When finished, press **REC** again or **STOP** (■).



5

The unit will play back your greeting message so that you can confirm it.

Adjust the **VOLUME** control to a suitable level.



NOTES:

- If 16 seconds pass while recording, the unit will stop the recording automatically and the rest of the message will not be saved.
- If you make a mistake while recording, repeat from step 2.

Suggested message

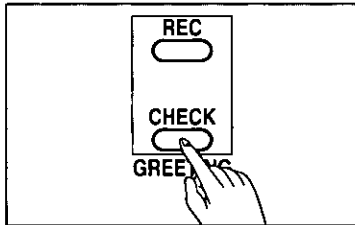
Record your greeting message referring to the example below.

"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."

You can choose from two lengths of recording times for incoming messages. When the unit is in the "VOX" position, the recording time is unlimited, and when in the "1MIN" position, the recording time is limited to 1 minute. The example above corresponds to these two conditions. The unit is preset to the "VOX" position. To change the recording time, see page 124.

1

Checking the greeting message



Press **CHECK**.

The unit will replay your greeting message.

—If you want to change your message, repeat the operation on page 32. The previous message will be automatically erased and the new message will be recorded.

Selecting the Receiving Mode

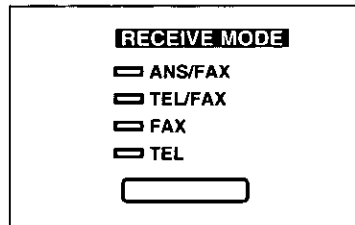
Depending on your situation, select the desired receiving mode referring to the explanations below.

ANS/FAX mode —When you wish to use the unit as a telephone answering device and a facsimile machine.

TEL/FAX mode —When you wish to use the unit as a telephone and a facsimile machine.

FAX mode —When you wish to use the unit as a facsimile machine only.

TEL mode —When you wish to use the unit as a telephone.



Press **RECEIVE MODE** to select the desired receiving mode.

When a fax or voice call comes in, the unit will function as follows.

ANS/FAX mode

- When a voice call comes in, the unit will ring and play your greeting message to the calling party, and the unit will be ready to record a voice of the other party.
- If the calling party does not wish to record any voice message, advise them to press their asterisk (*) key using tone dialing while playing the greeting message or incoming message recording mode. The answering device feature will be interrupted and the unit will activate the fax function. The calling party will be able to send a document.
- If the calling party wishes to send a document after hearing your greeting message, advise them to leave their handset with mute for 5 seconds more. The unit will activate the fax function, and the calling party will be able to send a document.
- When a fax call comes in, the unit will ring and activate the fax function without playing your greeting message.

NOTES:

- You should record your greeting message first into your unit before using this mode. See page 32.
- You can program the recording time for the voice of the other party. See page 124.
- When a call comes in, the unit will ring depending on the setting of the ANS/FAX RING COUNT. You can also set the ringer to off. To change the setting, see page 120.
- If you answer the call while playing the greeting message or recording an incoming voice message, you will be able to talk to the other party.
- When you answer a call and hear a slow beep or nothing at all, the call may be a fax call. Press the START button to receive a document.

TEL/FAX mode

- When a call comes in, the unit will seize the call immediately and distinguish between a voice and a fax call.
- When a fax call is received, the unit will automatically activate the fax function without ringing.
- When a voice call is received, the unit will ring 3 to 8 times depending on the setting of the silent fax recognition ring (see page 132). You will answer the call by using the cordless handset or the speaker-phone. While ringing, the unit will emit different ring back tone to the calling party.
If no one answers the call, the unit will automatically activate the fax function. The calling party will be able to send a document.

NOTES:

- Telephone fee will be charged to the calling party once the different ring back tone is heard, because the line is already connected from that time.
- When you answer a call and hear a slow beep or nothing at all, the call may be a fax call. Press the START button to receive a document.
- When a call comes in, a reserve phone, if connected on the same line, will ring 1 to 4 times depending on the setting of the FAX & TEL/FAX RING COUNT (see page 122) before the unit rings or initiates fax reception.
- 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 be received after the unit rings, because some fax machines do not send calling tone in manual mode.

FAX mode

- When a fax call comes in, the unit will ring and activate the fax function.
- When a voice call comes in, the unit will ring and emit a fax tone to the calling party. The calling party will be able to send a document. You cannot talk to the other party.

NOTES:

- When a call comes in, the unit will ring depending on the setting of the FAX & TEL/FAX RING COUNT. To change the setting, see page 122.
- Inform your callers that your unit is used for a facsimile machine only.

TEL mode

- When a call comes in, you will have to answer every call.
- When you answer a call and hear a slow beep or nothing at all, the call may be a fax call. Press the START button to receive a document. If the cordless handset is used, you may press the FAX button.

NOTE:

- If no one answers the call by 15 rings, the receiving mode of the unit will be changed to the ANS/FAX mode automatically.

System Programming Features

The unit has basic features listed below, and advanced features as listed on page 37.

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

Advanced features should be programmed as the need arises.

Before using your unit as a facsimile, always set the following features:

- 01 The current date and time (page 39)
- 02 Your company name or personal name (page 40)
- 03 Your facsimile telephone number (page 41)

BASIC FEATURES

Code	Functions	Descriptions	Selections	Pages
01	SET DATE	Setting the current date and time	(not stored)	39
02	YOUR LOGO	Setting your company name or personal name	(up to 30 digits)	40
03	YOUR TELEPHONE NUMBER	Setting your facsimile telephone number	(up to 20 digits)	41
04	PRINT TRANSMISSION REPORT	Setting individual transmission report printing	ERROR/ON/OFF	118 119
05	ANS/FAX RING COUNT	Setting the number of rings to answer in the ANS/FAX mode	TOLL SAVER or 1 to 4 rings or RINGER OFF	120 121
06	FAX & TEL/FAX RING COUNT	Setting the number of rings to answer in the FAX and TEL/FAX mode	1 to 4 rings	122 123
07	RECORDING TIME FOR ANS	Setting the recording time for incoming message	VOX (unlimited) or 1MIN (1 minute)	124
08	REMOTE ANS ID	Setting remote control code for remote answering device operation	3 digits (111)	66
99	PRINT ADVANCED FEATURE LIST	Printing the advanced feature list	/	139

NOTE:

- In the "Selections" column, the bold print indicates the pre-selected settings.

ADVANCED FEATURES

Code	Functions	Descriptions	Selections	Pages
10	LOGO POSITION	Setting the logo print position on the transmitted document	OUT/IN/OFF	126
11	JOURNAL AUTO PRINT	Setting auto/manual journal report printing	AUTO/MANUAL	127 128
12	NETWORK PASSCODE	Setting the passcode for network communication	4 digits (0000)	94
13	TX PASSCODE CHECK	Turning on the transmission passcode check mode	ON/OFF	95
14	RX PASSCODE CHECK	Turning on the reception passcode check mode	ON/OFF	96
18	DAY/NIGHT MODE	Turning on the day/night mode	ON/OFF	130
19	SILENT FAX RECOGNITION RING	Setting the number of rings in the TEL/FAX mode	3 to 8 rings	132
20	REMOTE FAX ACTIVATION CODE	Setting the remote fax activation code	2 to 4 digits (**)	98
21	PAPER SAVE FUNCTION	Turning on the paper save function	ON/OFF	133
22	MESSAGE ALERT	Turning on the message alert	ON/OFF	135
23	CALL SCREENING	Allowing for monitoring incoming calls using the cordless handset	ON/OFF	136
24	EXTENSION COPY	Copying a document twice in length		99 100
28	PRINTER TEST	Printing a print test pattern		156
30	KEY PROTECTION	Preventing the use of the keys on the main unit while the cordless handset is in use.	ON/OFF	137
50	SET DEFAULT	Resetting the parameters of the advanced features	YES/NO	138

NOTE:

- In the "Selections" column, the bold print indicates the pre-selected settings.

How to set up

1. Press the **MENU** button until the following is shown.

```
PROGRAM[1.DATE 2.TEL  
3.SYSTEM 4.REPORT]
```

2. Press **1** to set the date and time.

```
SET DATE [*=AM #=PM]  
01 01 94 12:00AM SAT
```

or

Press **2** to program phone numbers for automatic dialing.

```
SELECT AUTO OR  
DIRECT CALL KEY
```

or

Press **3** to program basic features.

```
ENTER YOUR LOGO  
=Panasonic ANS/FAX
```

The display will show the next feature each time you press **▼** key.
If you press **▲** key, the display will show the previous feature.

You can select the desired feature directly by pressing **#** and the desired code number (refer to the table on page 36).

or

Press **#**, then press the desired code number (refer to page 37) to program an advanced feature.

or

Press **4** to print reports and lists.

```
SELECT NO. [1.SYSTEM  
2.TEL NO. 3.JOURNAL]
```

3. Enter your selection or data, then press the **SET** button if necessary.
4. Press the **MENU** button to end the operation.

HELPFUL HINTS:

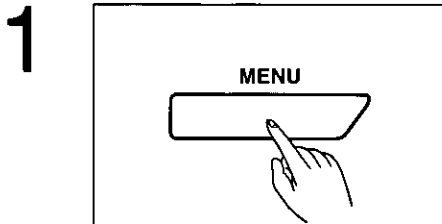
- If you lose your instructions while setting, press the **HELP** button. The unit will print information on how to set.
- If you make a mistake while programming, press the **CLEAR** button, then make the correction.

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 the fax communication reports such as the journal report and the transmission report.

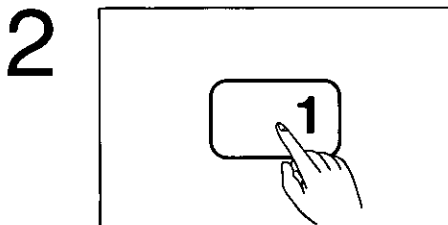
HELPFUL HINT:

- If you lose your instructions while setting, press the HELP button. The unit will print information on how to set.



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

```
PROGRAM[1.DATE 2.TEL  
3.SYSTEM 4.REPORT]
```

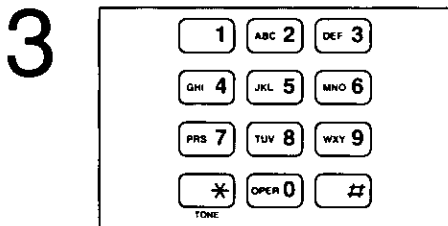


Press **1** to start programming.

or

Press #, then press **01**.

```
SET DATE [*=AM #=PM]  
01 01 94 12:00AM SAT
```



Enter the current month/day/year/hour/minute by selecting 2 digits each.

Example: Aug. 10 1994, 3:00PM.

Press **08, 10, 94, 03** and **00**.

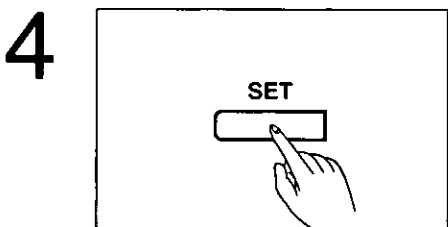
Press # to select PM mode.

```
SET DATE [*=AM #=PM]  
08 10 94 03:00PM WED
```

—The day of the week will be automatically selected.

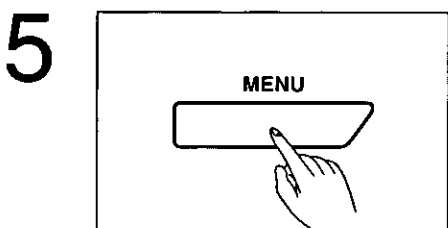
—To select AM mode, press *.

—If you make a mistake, use the cursor key (◀ or ▶) or the CLEAR button to move the cursor to the incorrect number, then make the correction.



Press **SET** to store the program in memory.

```
PROGRAM[1.DATE 2.TEL  
3.SYSTEM 4.REPORT]
```



Press **MENU** to end the operation.

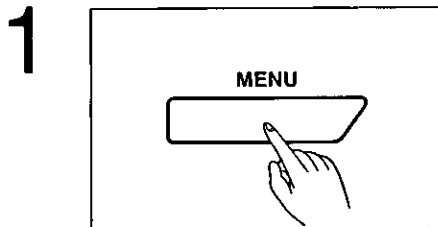
```
WED AUG10 3:00PM 00
```

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. The printed logo can be up to 30 characters in length.

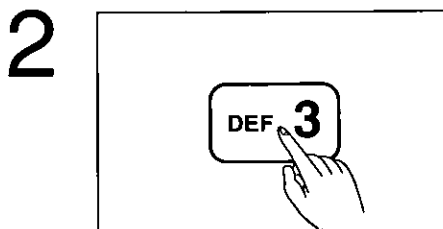
HELPFUL HINT:

- If you lose your instructions while setting, press the HELP button. The unit will print information on how to set.



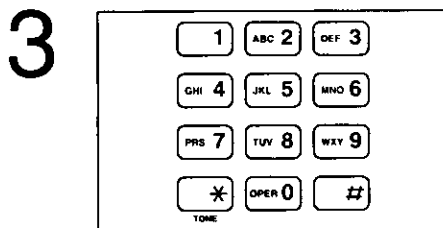
Press **MENU** until the following is shown.

```
PROGRAM[1.DATE 2.TEL
3.SYSTEM 4.REPORT]
```



Press **3**.
or
Press **#**, then press **02**.

```
ENTER YOUR LOGO
=Panasonic ANS/FAX
```



Enter your logo by using the character keys and the cursor keys (refer to the instructions on pages 43 and 44).

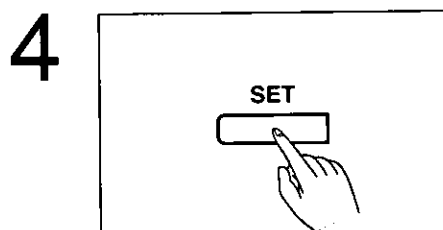
Example: The logo is ABC.

Press **2** once to select "A" then **▶** key,
press **2** three times to select "B" then **▶**
key and press **2** five times to select "C".

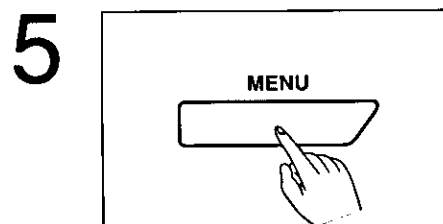
```
ENTER YOUR LOGO
=ABC
```

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

—If you make a mistake, use the cursor key (**◀** or **▶**) or the CLEAR button to move the cursor to the incorrect character, then make the correction.



When finished, press **SET** to store the program in memory.



Press **MENU** to end the operation.

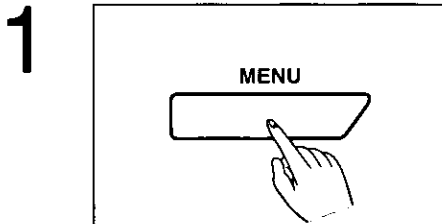
Setting your facsimile telephone number

When you transmit a document, your programmed phone number will be printed on the top of each page transmitted from your unit.

The unit can store the phone number up to 20 digits in length.

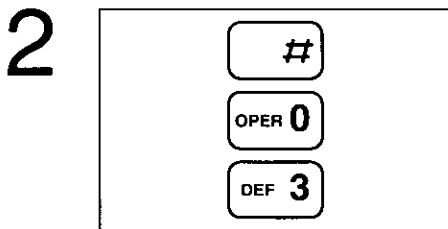
HELPFUL HINT:

- If you lose your instructions while setting, press the HELP button. The unit will print information on how to set.



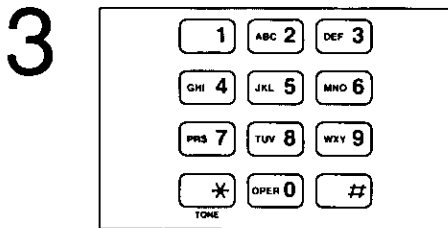
Press **MENU** until the following is shown.

```
PROGRAM[1.DATE 2.TEL  
3.SYSTEM 4.REPORT]
```



Press #, then press **03**.

```
ENTER YOUR TEL NO.  
=
```



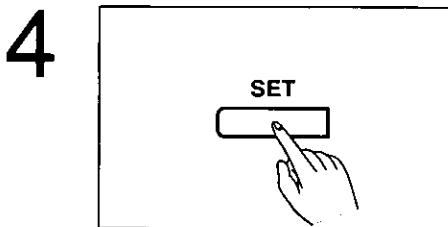
Enter your facsimile telephone number using the dial keypad.

—If you make a mistake, press the CLEAR button then make the correction.

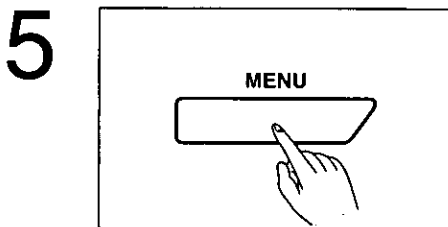
—# button provides a space and * button provides the character "+".

Example: If the phone number is 123 4567, press 123, # and 4567.

```
ENTER YOUR TEL NO.  
=123 4567
```



Press **SET** to store the program in memory.



Press **MENU** to end the operation.

Your fax document identifiers

Your programmed logo and telephone number will be printed on the top of each page transmitted from your unit, along with the date, time, and page number. This will give the receiving party your name and fax telephone number if they wish to return a fax.

Sample page sent by your unit

The diagram shows a rectangular box representing a fax header. Three labels with vertical lines pointing to the header text are: 'Your logo' pointing to 'FROM : RBC Company', 'Your facsimile telephone number' pointing to 'PHONE NO. : 123 4567', and 'Date and time' pointing to 'Aug. 10 1994 03:05PM'. A fourth label, 'Number of page', points to 'P1'.

FROM : RBC Company PHONE NO. : 123 4567 Aug. 10 1994 03:05PM P1

FAX CORRESPONDENCE

TO: _____ DATE: _____













FROM: _____ OUR TEL. NO.: _____

How to use the character keys

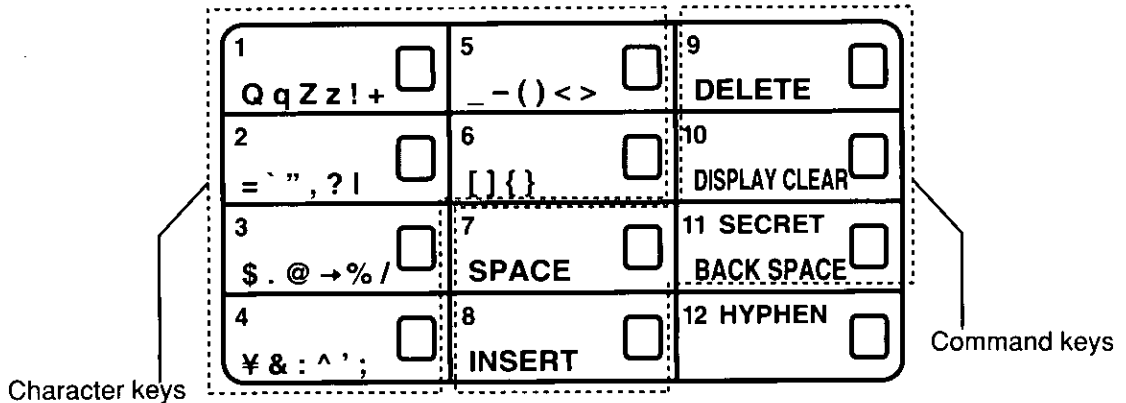
The dial keypad and the direct call station keys are also used as alphabet and symbol character input keys when you program your logo and other station names.

Each alphabet and symbol character is assigned to keys as follows:

■ Dial keypad

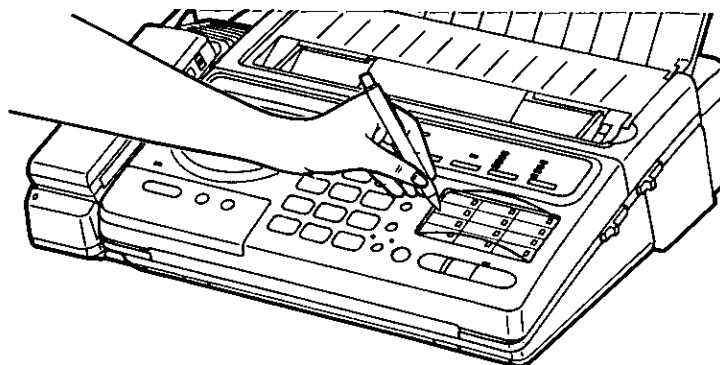
Keypad	Character	Keypad	Character	Keypad	Character
	... 1		... A a B b C c 2		... D d E e F f 3
	... G g H h I i 4		... J j K k L l 5		... M m N n O o 6
	... P p Q q R r S s 7		... T t U u V v 8		... W w X x Y y Z z 9
	... *		... 0		... #

■ Direct call station keys



NOTE:

- The character 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 the alphabet and symbol characters for each key on the directory card.



Cursor keys

◀ key (LIGHT ORIGINAL button):

The cursor is moved one space to the left each time you press this key.

▶ key (RESOLUTION button):

The cursor is moved one space to the right each time you press this key.

Character keys

The character on the display is changed as follows each time you press one of these keys.

For example, when you press 2 repeatedly, the display shows

"A"→"a"→"B"→"b"→"C"→"c"→"2"
→"A" ...

To enter a character and move to the next character, press ▶ key (RESOLUTION button) once.

Command keys

■ DISPLAY CLEAR key:

You can clear all the characters.

■ SPACE key:

This key is used to replace one character to the space.

■ INSERT key:

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

Example: Panaonic→Panasonic

1. Press ◀ or ▶ key repeatedly until the cursor is positioned on "o".

```
ENTER YOUR LOGO
=Panaonic
```

2. Press the INSERT key, then press 7 repeatedly until "s" is shown.

```
ENTER YOUR LOGO
=Panasonic
```

■ DELETE key:

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

Example: Panassonic→Panasonic

1. Press ◀ or ▶ key repeatedly until the cursor is positioned on "s".

```
ENTER YOUR LOGO
=Panassonic
```

2. Press the DELETE key.

```
ENTER YOUR LOGO
=Panasonic
```

■ BACK SPACE key:

This key is used to delete one character to the left side of the cursor while it moves backward.

Example: Panasoinic→Panasonic

1. Press ◀ or ▶ key repeatedly until the cursor is positioned on "n".

```
ENTER YOUR LOGO
=Panasoinic
```

2. Press the BACK SPACE key.

```
ENTER YOUR LOGO
=Panasonic
```

Chapter 2

Facsimile and Copier

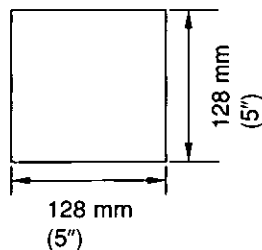
Before transmitting documents

Acceptable documents

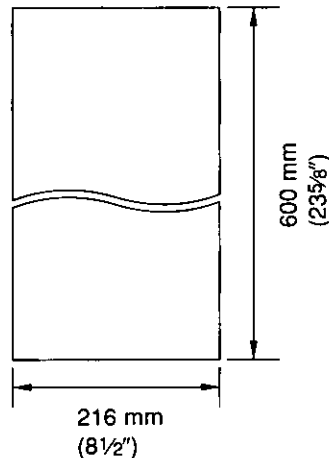
The unit can transmit documents that meet the following conditions.

- 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 10 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.)

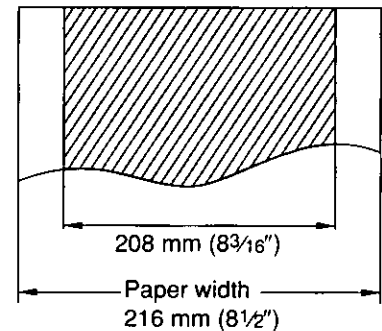
Minimum document size



Maximum document size



Effective scanning width



Unacceptable documents

The following documents may cause a jam:

- Documents bound with clips, staples, or other similar objects
- Documents on which ink, paste, or correction fluid has not completely dried

Do not use the following types of documents. Make a clear copy of these documents and feed the copy into the unit.

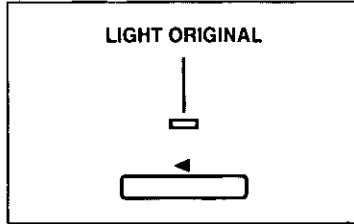
- Paper with a chemically treated surface such as carbon paper or carbonless duplicating paper
- Electrostatically charged paper
- Heavily curled, creased or torn paper
- Paper with a coated surface
- Small-sized paper such as a slip or voucher
- Thin paper less than 45 g/m² (12 lb.)
- Thick paper over 90 g/m² (24 lb.)
- Paper with faint contrast between the print and the background
- Paper with printing on the reverse side that can be seen through the front (e.g. newspaper)

Contrast and resolution

You can set the following functions depending on the quality of the original. Set the functions before transmission or copying. If you set them during transmission, they will be effective from the next sheet transmitted.

Note that using these features except STANDARD resolution will increase the transaction time.

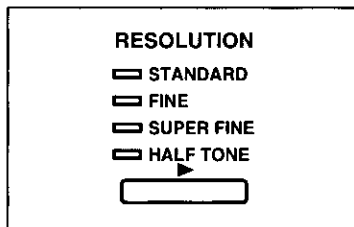
LIGHT ORIGINAL:



LIGHT ORIGINAL is useful when transmitting or copying originals with faint writing.

This feature does not work in the HALF TONE resolution.

RESOLUTION:



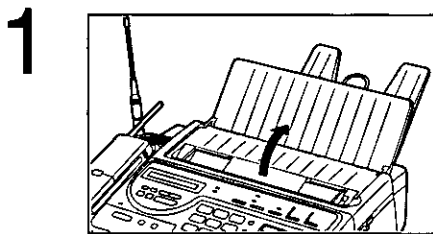
STANDARD is suitable for printed or typewritten originals with normal-sized characters.

FINE is suitable for originals with small printing.

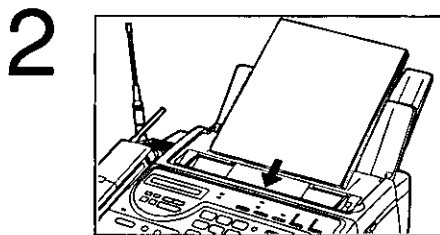
SUPER FINE doubles the resolution of FINE. (SUPER FINE only works between other compatible machines.)

HALF TONE is useful when sending originals containing photographs, shaded drawings, etc.

Loading documents

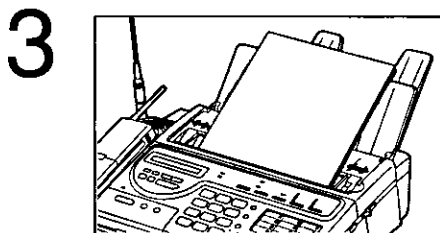


Open the document feeder tray.



Insert the documents **FACE DOWN** into the document feeder tray until a beep is heard.

—The unit can accept up to 10 sheets of paper at a time.



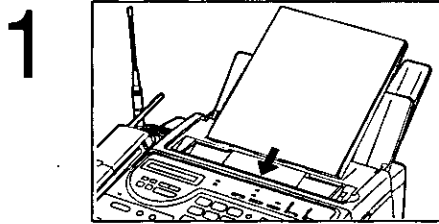
Adjust the document guides to the width of the document.



Set the contrast or resolution setting if needed.

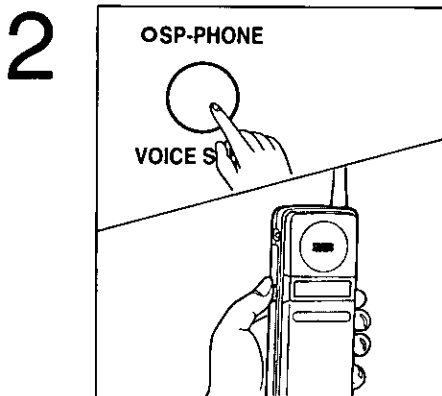
Transmitting Documents

Manual transmission (Case 1)



Insert the documents **FACE DOWN**.

—The unit can accept up to 10 sheets of paper at a time.



Press **SP-PHONE**, then listen for the dial tone.

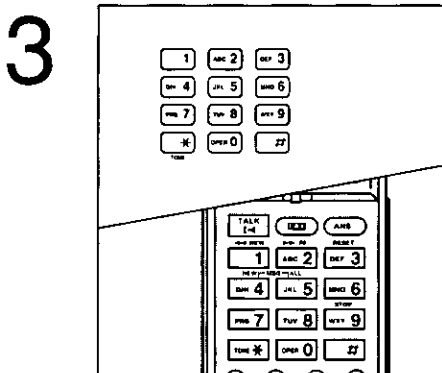
WED AUG10 3:00PM 00
ENTER PHONE NUMBER

or

Press **OPEN** to open the cordless handset, then listen for the dial tone.

“**[•|]**” will be displayed.

—If the cordless handset is left open, press the **TALK** button.



Dial the phone number of the receiving party.

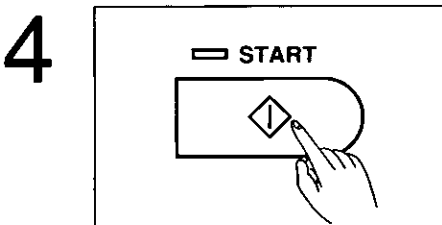
Example: 1234567 is dialed.

WED AUG10 3:00PM 00
1234567

—When the cordless handset is used, you may use the dial keypad on the main unit if the key protection feature is set to off (see page 137).

—If the other party answers, ask them to press their start or transmit button to start the fax reception.

—If there is a misdial, press the **FLASH** button firmly, then dial the correct number after the dial tone is heard.



Press **START** when a fax tone is heard.

SENDING P 1
TO:1234567

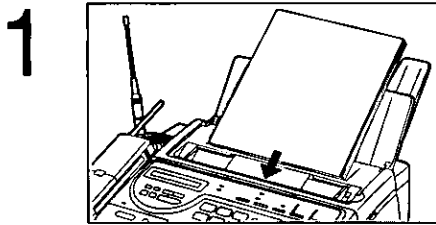
The unit will initiate the transmission.

NOTE:

- If the line is busy, press the **SP-PHONE** button or close the cordless handset to hang up. Then try again later by using the **REDIAL** button in step 3.

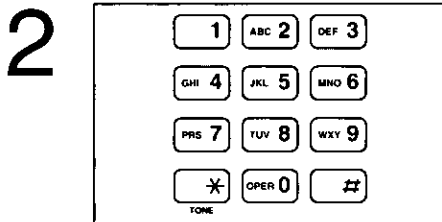
Manual transmission (Case 2)

You can also access the other party's facsimile without using the SP-PHONE button. This feature enables you to transmit a document using fewer procedures.



Insert the documents FACE DOWN.

—The unit can accept up to 10 sheets of paper at a time.



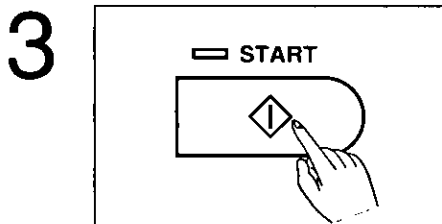
Dial the phone number.

Example: 1234567 is dialed.

WED AUG10 3:00PM 00
1234567

—Confirm in the display whether the phone number is correctly dialed.

—If incorrect, press the STOP (⏏) button, then dial the correct number.



Press **START**.

The unit will dial and transmit the documents. The START indicator light changes from flashing to steady.

DIALING <XMT>
TO:1234567



SENDING P 1
TO:1234567

NOTE:

- If there is no answer or the line is busy, the unit will automatically redial the number (see item no. 8 on page 159). While waiting to redial, the following message will be displayed.

WED AUG10 3:00PM 00
WAITING TO REDIAL

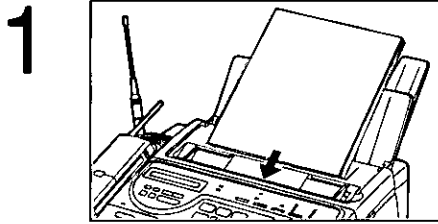
To cancel, press the STOP (⏏) or FLASH button.

HELPFUL HINTS for overseas transmission:

- Set the overseas transmission mode (see page 51).
- When dialing the phone number, add two pauses at the end of the number by pressing the PAUSE button.

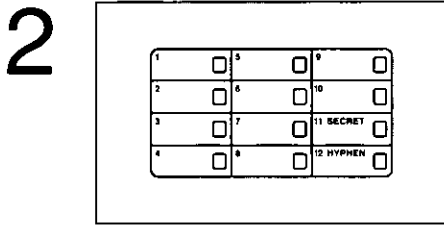
Transmitting Documents Using Automatic Dialer

You can transmit documents automatically using one-touch dialing and speed dialing. Before using these features, make sure that the desired telephone numbers have been stored in memory. For storing phone numbers, see pages 108 to 113.



Insert the documents FACE DOWN.

—The unit can accept up to 10 sheets of paper at a time.



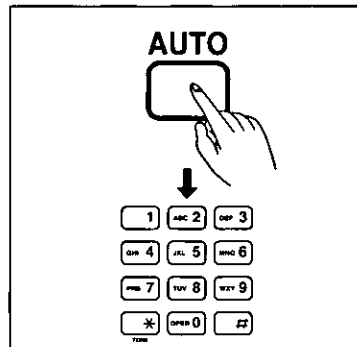
Using one-touch dialing:

Press the desired direct call station key.

The unit will dial and transmit the documents automatically.

or

or



Using speed dialing:

Press **AUTO**.

Then enter the desired 2-digit number (00 through 99).

The unit will dial and transmit the documents automatically.

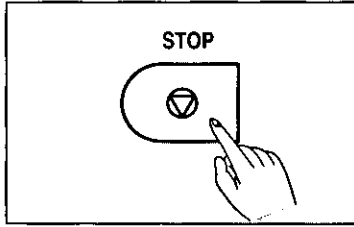
NOTE:

- If there is no answer or the line is busy, the unit will automatically redial the number (see item number 8 on page 159). While waiting to redial, the following message will be displayed.

WED AUG10 3:00PM 00
WAITING TO REDIAL

To cancel, press the STOP (⏏) or FLASH button.

Interrupting transmission



To interrupt transmission, press **STOP** (⏹) until a beep sounds.
To eject the document, press **STOP** (⏹) again.

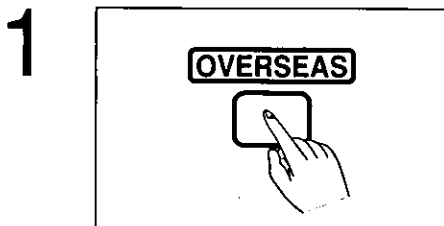
Adding extra pages

If you want to send 11 or more sheets at a time, insert the first ten pages of the document and add the extra pages, up to 10 sheets at a time, before the last page is fed into the unit.

2

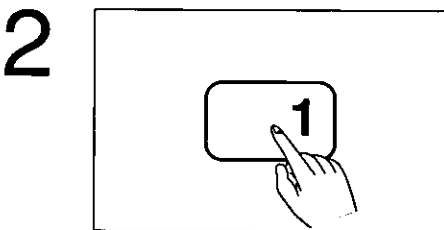
Using overseas transmission mode

When transmitting documents overseas, there will be some problems that may occur in international communication. If this occurs, use the overseas transmission mode.
Before making transmission, set this mode as follows.



Press **OVERSEAS**.

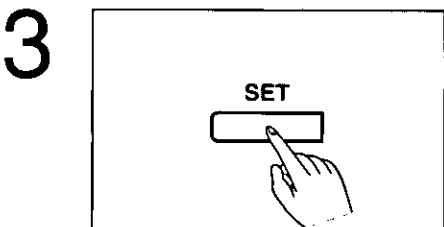
```
OVERSEAS MODE  
=OFF [1.ON 2.OFF]
```



Press 1 to activate this feature.

```
OVERSEAS MODE  
=ON [1.ON 2.OFF]
```

—To turn off this feature, press 2.



Press **SET**.

```
WED AUG10 3:00PM 00  
OVERSEAS MODE ON
```

—After the transmission, this mode will not be canceled automatically.

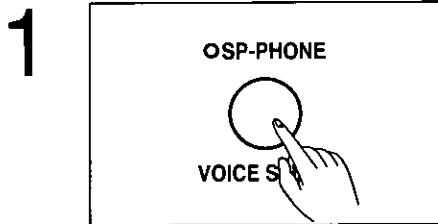
NOTES:

- When the overseas transmission mode is set, transmission time will be longer than normal.
- If a transmission error still occurs, add two pauses at the end of the number by pressing the PAUSE button when dialing the phone number.

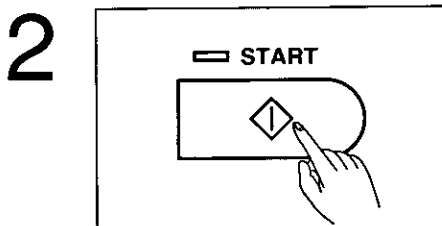
Receiving Documents and/or Voice Calls _____

Manual reception

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

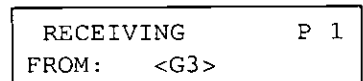


When the phone rings, press **SP-PHONE** to answer the call.



When document reception is required by the other party or nothing is heard, press **START**.

The unit will start receiving documents.



The display will show the number of each page.

NOTES:

- To interrupt reception, press the STOP (Ⓢ) button. The unit will stop receiving.
- In the *TEL* mode, if no one answers the call by 15 rings, the unit will automatically switch to the *ANS/FAX* mode.
- If you answer the call by using the cordless handset, you may press the FAX button to receive documents. For further detail, see page 79.

Automatic reception

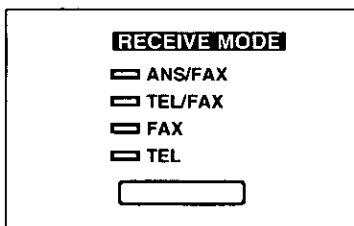
Set the receiving mode to any of the following modes by pressing the **RECEIVE MODE** button:

- *ANS/FAX* mode
- *TEL/FAX* mode
- *FAX* mode

When receiving a fax call, the unit will automatically activate the fax function, then initiate reception.

Receiving in the ANS/FAX mode

1



Make sure that the unit is in the *ANS/FAX* mode.

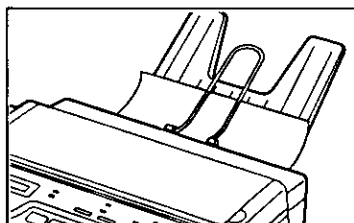
2



A call comes in.

The unit will ring, depending on the setting of the programming (see page 120).

3



- **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 your greeting message.

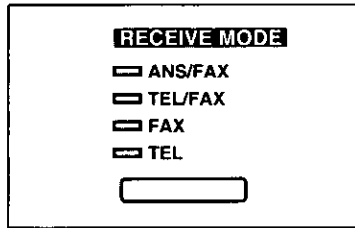
NOTE:

- Begin by transmitting the leaflet found on page 165 to several of your associates. In this way, you can confirm that your unit is functioning correctly and inform them of the procedure for transmitting documents and/or recording voice-message on your unit.

2

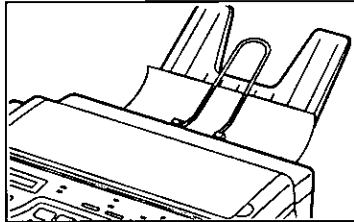
Receiving in the TEL/FAX mode

1



Make sure that the unit is in the *TEL/FAX* mode.

2



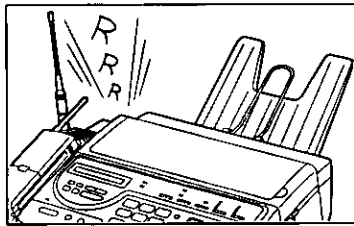
A call comes in.

■ **When receiving a fax call:**

The unit will automatically activate the fax function to receive documents.

or

or



■ **When receiving a voice call:**

The unit will ring, depending on the setting of the programming (see page 132).

—If a fax reception is required or nothing is heard, press the **START** button to receive documents.

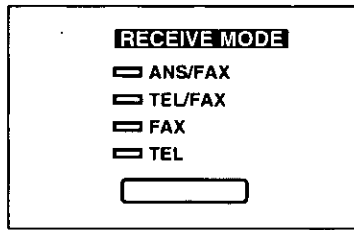
—If no one answers the call, the unit will automatically activate the fax function.

NOTES:

- In the *TEL/FAX* mode, telephone fee will be charged to callers once the different ring back tone is heard.
- When a call comes in, a reserve phone, if connected on the same line, will ring, depending on the setting of the **FAX & TEL/FAX RING COUNT** (see page 122) before the unit rings or initiates fax reception.
- In the *TEL/FAX* mode, the unit distinguishes 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 be received after the unit rings, because some fax machines do not send calling tone in manual mode.

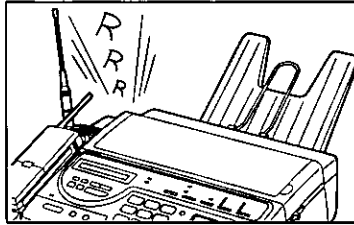
Receiving in the FAX mode

1



Make sure that the unit is in the *FAX* mode.

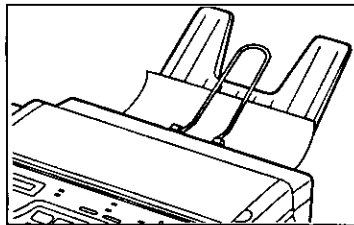
2



A call comes in.

The unit will ring, depending on the setting of the programming (see page 122).

3



The unit will start receiving documents.

2

Transmitting Documents to Your Unit _____

When the unit is in the *ANS/FAX* mode, your caller can follow the steps below to leave a message and/or send documents.

Leaving a message and transmitting documents on the same call

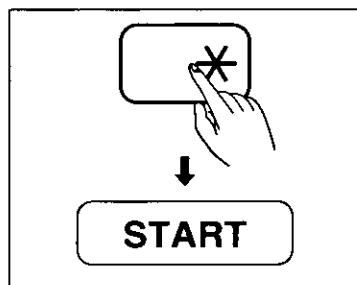
From a touch tone phone:

1



Your caller may call your unit, and then leave you a message after the long beep following your greeting message.

2



When their message is finished, they may press * to change the unit to the fax mode.

They then may start transmission upon hearing the fax tone by pressing their start or transmit button.

From a rotary (pulse) phone:

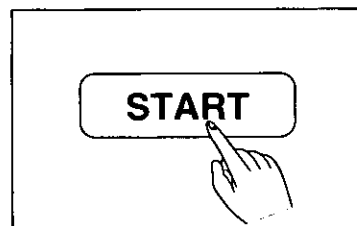
If the calling facsimile machine has a voice contact (call reservation) function, your caller can leave a voice-message after transmitting documents to your facsimile.

1



Your caller may call your unit, and then press the mute button or cover the mouthpiece of their handset to change the unit to the fax mode during the greeting message.

2



They then may start transmission upon hearing the fax tone by pressing their start or transmit button.

3

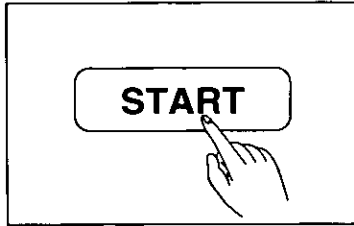


They may make a call reservation (e.g. lift the handset) during transmission.

Your unit plays the greeting message again. They then may leave a message after the long beep following your greeting message.

Transmitting documents with manual operation

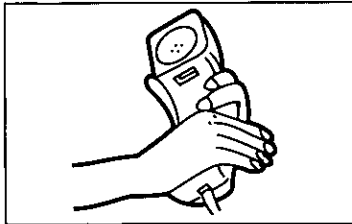
From a touch tone phone:



Your caller may call your unit, and then press * to change the unit to the fax mode.

They then may start transmission upon hearing the fax tone by pressing their start or transmit button.

From a rotary (pulse) phone:



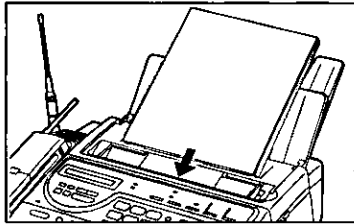
Your caller may call your unit, and then press the mute button or cover the mouthpiece of their handset to change the unit to the fax mode during the greeting message.

They then may start transmission upon hearing the fax tone by pressing their start or transmit button.

Making a Copy

The unit can make a copy. Any transmissible documents can be copied.
Before sending a document, you can see how it will look to the receiving party in advance.

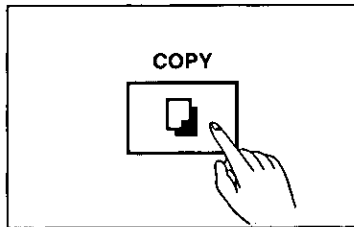
1



Insert the documents **FACE DOWN**.

—The unit can accept up to 10 sheets of paper at a time.

2



Press **COPY**.

The unit will start making a copy.

Interrupting a copy:

Press the **STOP** (⏏) button. The unit will stop copy operation.
To eject the document, press the **STOP** (⏏) button again.

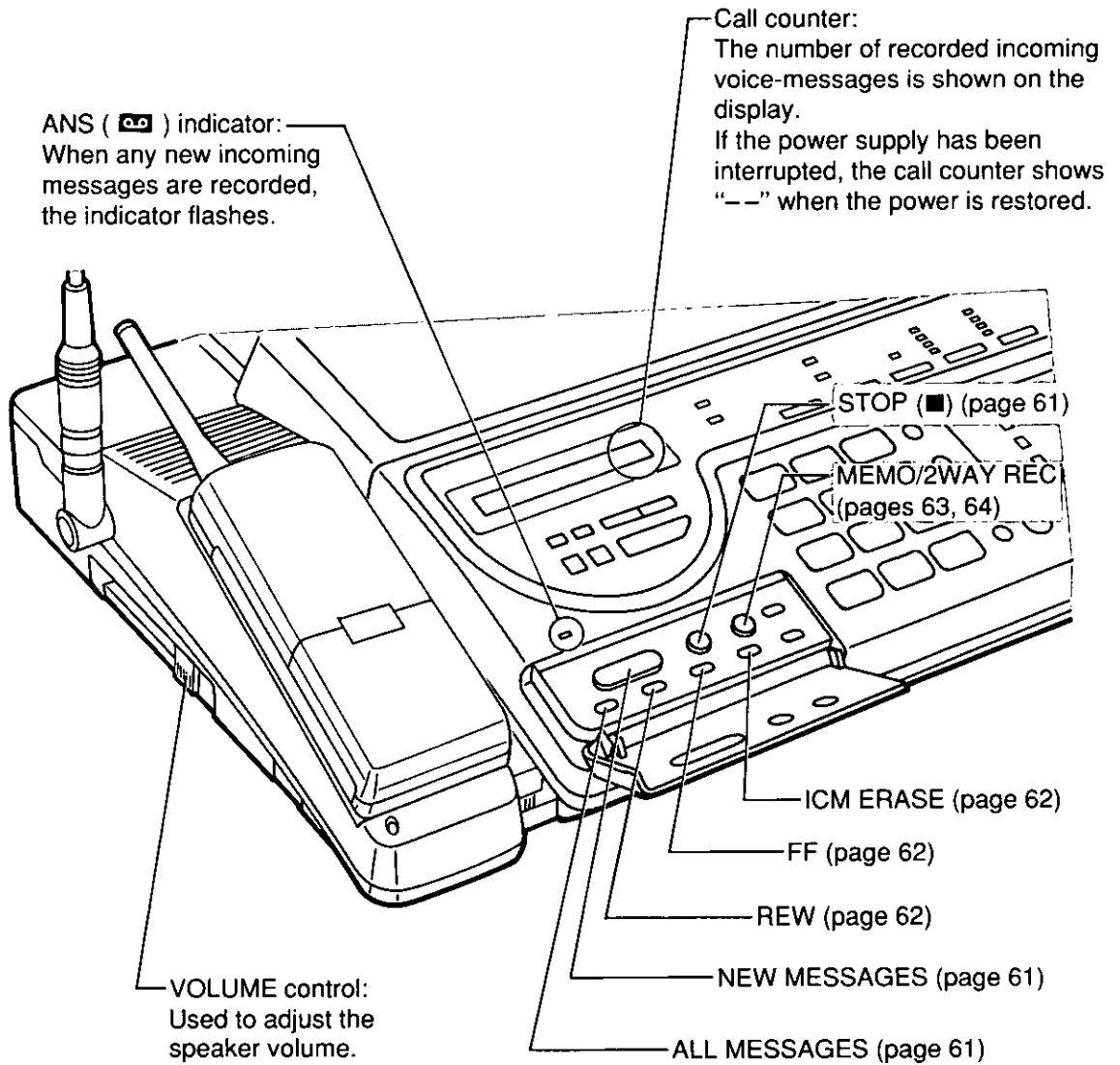
NOTES:

- When copying, the unit automatically selects the FINE resolution, but you may use SUPER FINE or HALF TONE resolution.
- If you wish to copy 11 or more sheets at a time, insert the first ten pages of the document and add the extra pages up to 10 sheets at a time, before the last page is fed into the unit.
- You can make or receive voice calls while making a copy.
- When the paper save function is on and the STANDARD resolution is selected, the unit will make a copy to a half in length (see page 133).


Chapter 3
Answering Device

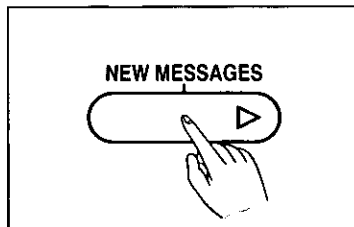
Operating the Answering Device

The unit also works as an automatic telephone answering and recording system.



Listening to newly recorded messages

When new incoming messages have been recorded, the call counter shows the number of recorded messages (01 to 99) and the ANS () indicator flashes.



Press **NEW MESSAGES**.

```
WED AUG10  3:00PM 02  
ICM PLAYING >>>>>>
```

The unit will play back new messages.
At the end of the last message, 3 beeps will sound
and the tape will stop automatically.

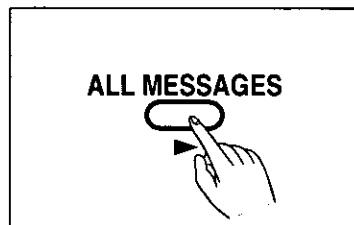
NOTES:

- The unit is equipped with the message alert feature. When this feature is on, the unit lets you know with a slow beep whether a caller's message has been recorded in the unit or not. To set the message alert, see page 135.
- To interrupt the playback halfway, press the STOP (■) button. To restart the playback, press the NEW MESSAGES button within one minute after pressing the STOP (■) button. Or the unit will record over any existing messages.

3

Listening to all the recorded messages

All the recorded messages will be played back from the beginning of the tape.



Press **ALL MESSAGES**.

```
WED AUG10  3:00PM 02  
ICM PLAYING >>>>>>
```

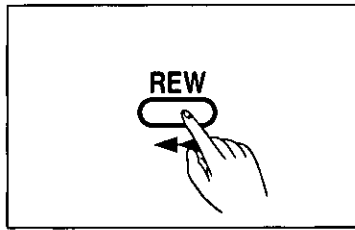
The unit will play back all the recorded messages.
At the end of the last message, 3 beeps will sound
and the tape will stop automatically.

NOTE:

- To interrupt the playback halfway, press the STOP (■) button. To restart the playback, press the ALL MESSAGES button within one minute after pressing the STOP (■) button. Or the unit will record over any existing messages.

Resetting the tape

After listening to the messages, you may reset the tape.

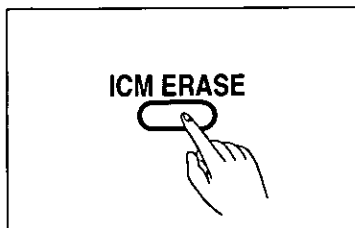


Press **REW**.

The tape will be rewound to the beginning of the tape and new messages will be recorded over the old ones.

Erasing recorded voice-messages

After listening to the messages, you may wish to erase recorded voice messages.

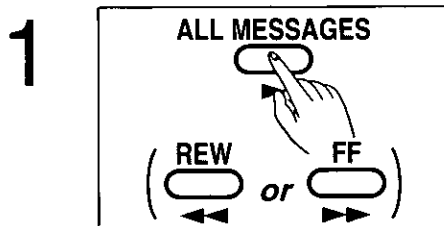


Press **ICM ERASE**.

The messages will be erased while the tape is rewound.

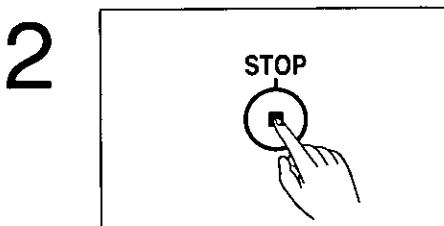
Recording after the messages you want to save

New incoming messages will be automatically stored after the last message. If you want to store incoming messages after your saved messages, proceed as follows.

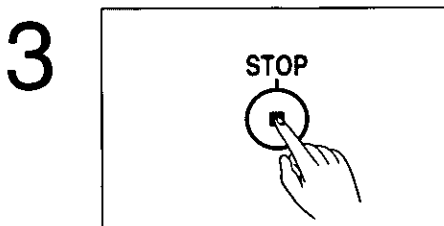


Play back the messages.

You may use **ALL MESSAGES**, **REW** or **FF**.



Press **STOP** (■) at the end of the messages you want to save.



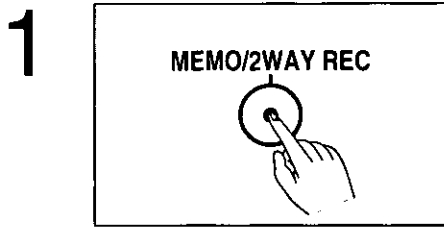
Press **STOP** (■) again.

or
Leave the unit for one minute.

Future calls will be recorded after the message(s) you have saved.

Recording a memo message

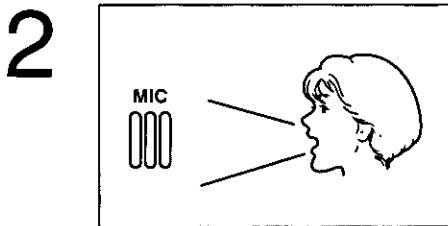
If you are going out and want to leave a private message for someone, you can record a voice memo in the unit. This can then be played back either directly or remotely, exactly like any other incoming message.



Press **MEMO/2WAY REC**.

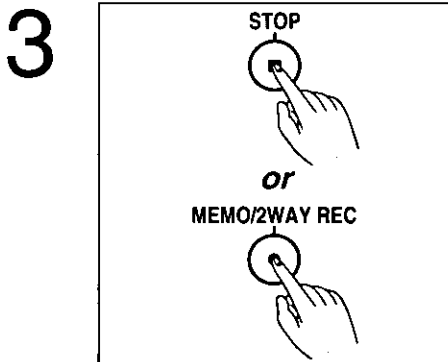
A beep will be heard.

```
WED AUG10  3:00PM 00
MEMO RECORDING
```



Speak towards the microphone from approximately 20 cm (8 inches) away.

```
WED AUG10  3:00PM 00
MEMO RECORDING
```



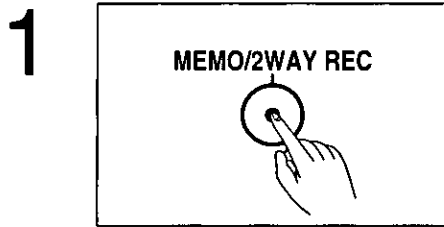
To stop recording, press **STOP** (■) or **MEMO/2WAY REC** again.

```
WED AUG10  3:03PM 01
```

3

Recording a telephone conversation (2-way recording)

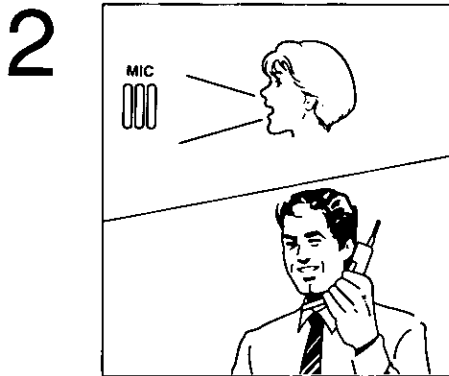
While speaking with someone on the telephone, you can record your conversation.



During your conversation with speaker-phone or the cordless handset, press **MEMO/2WAY REC**.

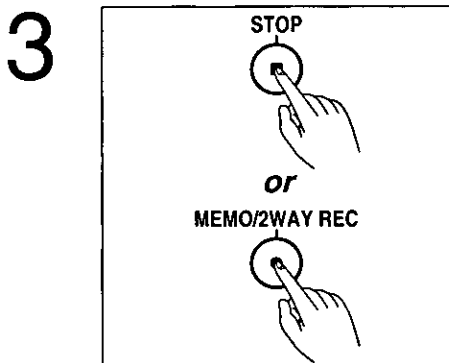
A beep will be heard.

WED AUG10 3:00PM 00
2WAY RECORDING



Continue your conversation.

WED AUG10 3:00PM 00
2WAY RECORDING



To stop recording, press **STOP** (■) or **MEMO/2WAY REC** again.

WED AUG10 3:03PM 01

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.
- If the cordless handset is used, you may use the 2WAY REC button on the cordless handset instead of the MEMO/2WAY REC button on the main unit (see page 83).
- If the key protection feature is set to on and the cordless handset is used, the buttons on the main unit except the SP-PHONE button are not available. To record the telephone conversation, use the 2WAY REC button on the cordless handset.

Monitoring incoming calls

While an incoming message is being recorded, you can monitor the caller's voice through the built-in speaker. Adjust the sound level using the VOLUME control.

To answer the call while monitoring, press the SP-PHONE button on the main unit or press the OPEN button on the cordless handset. The unit will stop recording automatically.

Operating the Answering Device from a Remote Phone

While you are out, you can listen to any recorded incoming messages or re-record your greeting message from a remote phone.

To activate these features, you must dial your unique code (REMOTE ANS ID) for remote access to your unit.

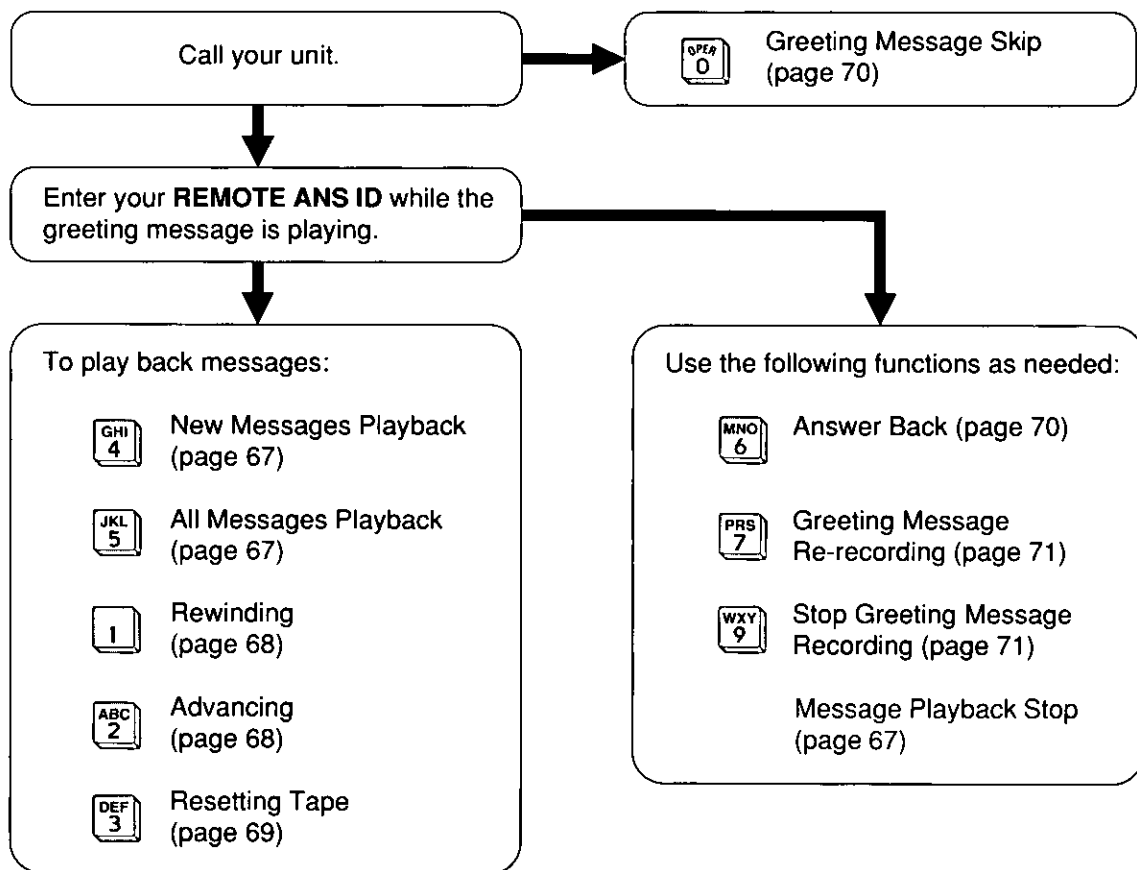
The REMOTE ANS ID is preset to "111".

If you wish to change the code, see page 66.

IMPORTANT:

- The phone which is used must be in tone dialing.
- These features are available only in the ANS/FAX mode. If your unit is in the TEL mode, call your unit and wait for 15 rings. The unit will switch to the ANS/FAX mode.

Summary of remote control functions

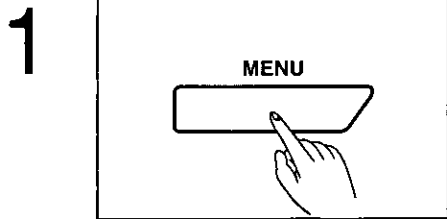


NOTE:

- For your convenience, a quick reference card for remote operation is supplied with this product. Also it is attached in these operating instructions (see pages 71 and 72).

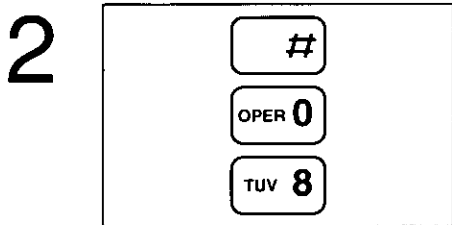
Setting the remote code for remote answering device operation (REMOTE ANS ID)

The REMOTE ANS ID is used to access your answering device from a remote location. The code number is preset to 111. If you wish to change the number, you can choose any number from 111 to 999 except numbers including 0.



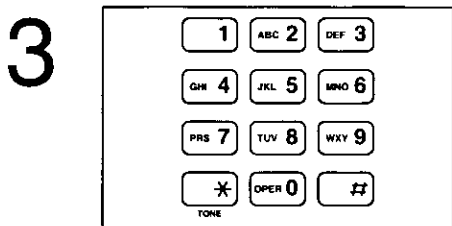
Press **MENU** until the following is shown.

PROGRAM[1.DATE 2.TEL
3.SYSTEM 4.REPORT]



Press #, then press **08**.

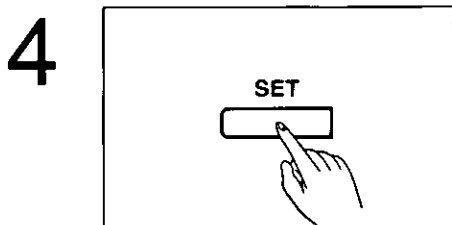
ENTER YOUR REMOTE
ANS ID=111



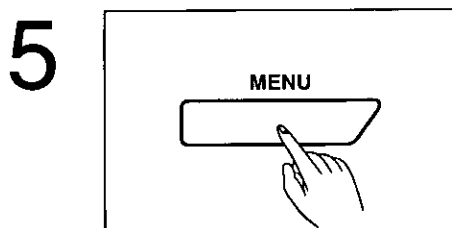
Enter the desired number.

Example: The number is 456.

ENTER YOUR REMOTE
ANS ID=456



Press **SET** to store the program in memory.



Press **MENU** to end the operation.

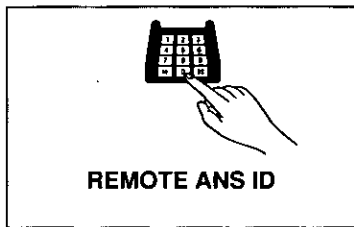
NOTES:

- We recommend that you do not use seven (7) as a code number, because this number is used as the greeting message re-recording command for remote operations.
- If you make a mistake in step 3, use the cursor key (◀ or ▶) to move the cursor to the incorrect number, then correct input.

Playing back newly recorded messages

It is possible to skip over the recorded messages you have already heard and to play back only new messages.

1

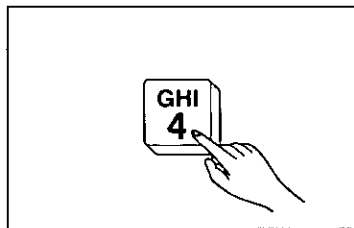


Call your unit, then press your REMOTE ANS ID while the greeting message is playing.

A long beep and a short beep(s) will sound. Short beep(s) indicate(s) the number of recorded messages.

—Short beeps will sound up to 8 times even if 9 or more calls are recorded.

2



Press 4 immediately after hearing the beeps that indicate the number of recorded messages.

The unit will play back the new messages. After hanging up, all the recorded messages are saved and the unit is ready to record further messages.

NOTES:

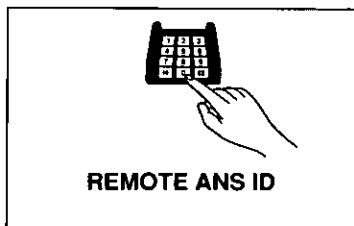
- Even during the playback of previously heard messages, you can skip them by pressing 4.
- To stop playback temporarily, press 9. To resume playback, press 9 again within 15 seconds. Otherwise the remote operation will be terminated.

3

Playing back all messages

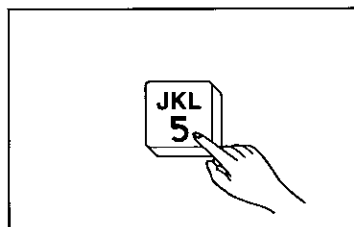
You can listen to all the recorded messages from the beginning of the tape.

1



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

2



Press 5 within 4 seconds after the short beeps.

The unit will rewind the tape and start to play back all messages.

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

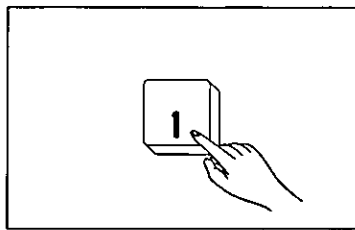
NOTES:

- Even if you do not press 5 in step 2, playback of all messages will start automatically.
- To stop playback temporarily, press 9. To resume playback, press 9 again within 15 seconds. Otherwise the remote operation will be terminated.

Rewinding and advancing (Back space and skip forward)

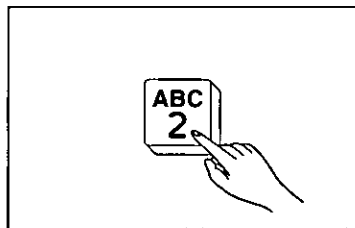
While listening to the recorded messages, you can rewind or advance the tape.

To rewind the tape:



Press 1.

To advance the tape:



Press 2.

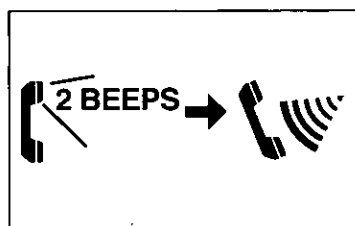
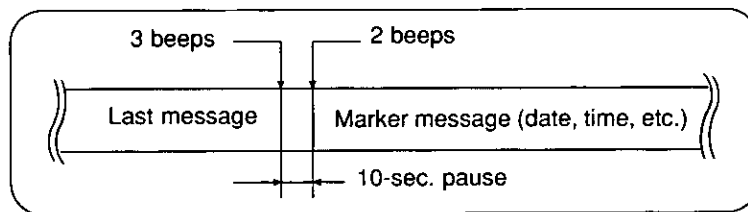
NOTE:

- The maximum length of a message that can be rewound or advanced by one press is approximately 15 seconds. You may have to press 1 or 2 several times to rewind or advance the tape to the desired position.

Recording a marker message

After playing back the recorded messages, you can leave an additional message during the same call.

When playback is finished, wait for 3 beeps indicating the end of the last message. Wait about 10 seconds for another 2 beeps indicating that the tape is ready for recording.

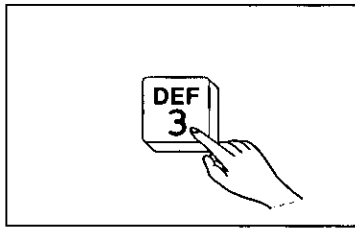


Leave your message after the last 2 beeps and hang up when finished.

The marker message will be recorded after the last message on the tape.

Resetting the tape for future messages

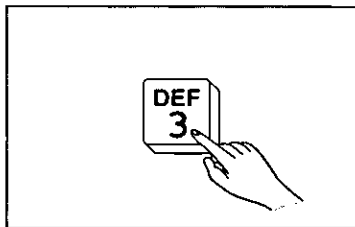
After listening to the recorded messages, you can reset the tape to record future messages from the beginning of the tape.



Press **3**, then hang up.

- When you played back all messages, the unit will rewind the tape to the beginning.
- When you played back only new messages, the unit will rewind the tape to the beginning of new messages.
- A beep will sound after rewinding the tape.

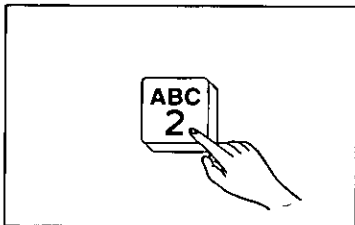
If you wish to rewind the tape to the beginning after playing back new messages:



Press **3** again after hearing a beep.

The unit will rewind the tape to the beginning.

If you wish to cancel the resetting of the tape:



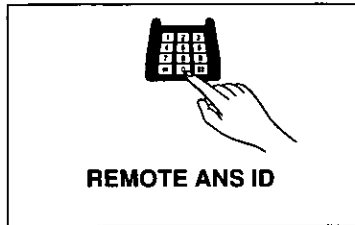
Press **2** after the tape has been reset.

One beep will sound.
The unit will advance the tape to the end of the recorded messages while the recorded messages are being played back.

Answer back

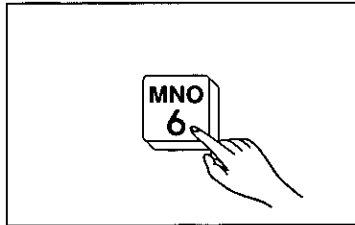
You can monitor the sound in the room where the main unit is installed. This feature also allows you to speak with anyone in the room.

1



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

2



Press 6 after hearing a beep.

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

—To continue monitoring, press 6 again within 10 seconds after hearing one beep.

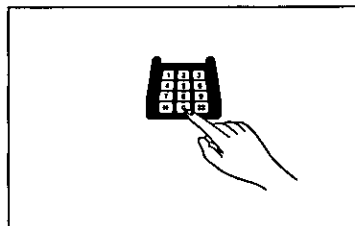
NOTES:

- To talk to the other party in the room, inform them to press the SP-PHONE button or use the cordless handset.
- If the VOLUME control of the unit has been lowered, the other party may not be able to hear your voice from the built-in speaker.

Skipping the greeting message for incoming message recording mode

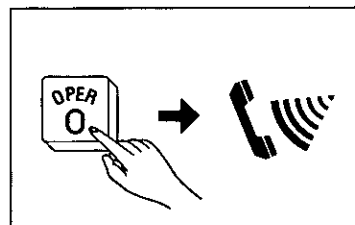
Callers can leave a message on your unit without listening to your greeting message.

1



Call your unit.

2



Press 0 while the greeting message is playing.

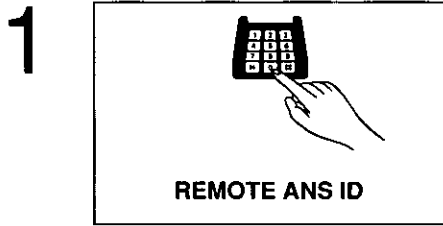
3



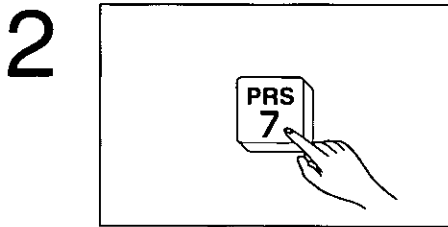
After hearing a long beep, speak clearly and loudly to leave a message.

Re-recording a greeting message

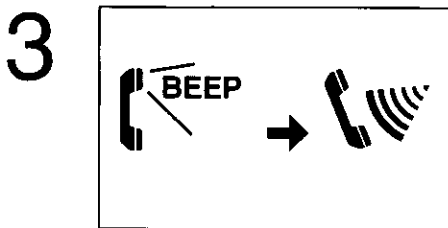
You can change the content of your greeting message from a remote telephone.



Call your unit, then dial your REMOTE ANS ID while the greeting message is playing.

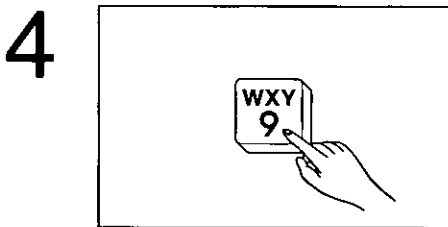


Press 7 to start re-recording after hearing a beep.



After hearing a long beep, speak clearly and loudly for up to 16 seconds.

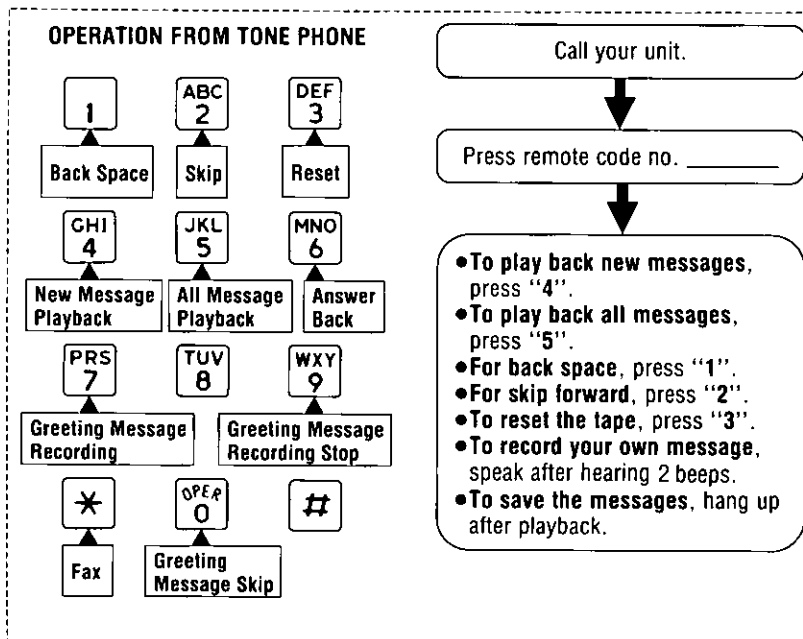
—If you pause for over 2 seconds while recording, the unit will beep and stop the greeting message recording. In this event, repeat from step 2 within 10 seconds.



When finished, press 9.

The new greeting message will be played to confirm the change.

3



Call your unit.

To skip greeting message,
press "0".

Press remote code no. _____

For Answer Back, press "6".

To re-record greeting message,

1. Press "7".
2. Speak after the long beep (up to 16 seconds).
3. When finished, press "9".

● **To set the ANS/FAX mode,** call your unit and wait for 15 rings. The unit will answer, then hang up.

● **To send the document,** press *. When the beep (fax tone) is heard, start transmission.

● When you press any button, press firmly.

Chapter 4

Using the Cordless Handset and the Speaker-phone

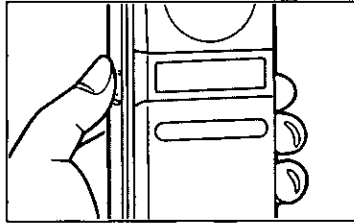
Making and Answering Voice Calls Using the Cordless Handset

IMPORTANT:


When using the cordless handset, the dial keypad and other keys on the main unit are available. If the cordless handset is placed near the main unit, it can be used like an ordinary handset. The keys on the main unit can be disabled while the cordless handset is in use. See page 137.

Making voice calls

1

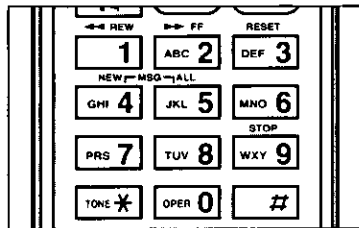


Press **OPEN** to open the cordless handset.

“” will be displayed.

—If the cordless handset is left open, press the TALK button to get dial tone.

2



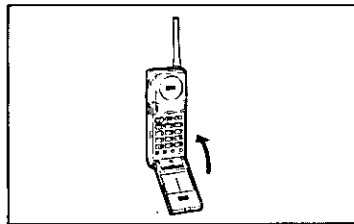
Dial the phone number.

The dialed number will be displayed.

About 5 seconds later, the display will start counting the call duration.

—You are able to use the keypad and other keys on the main unit to dial the phone number if the key protection feature is turned off (see page 137).

3



To hang up, close the cordless handset.

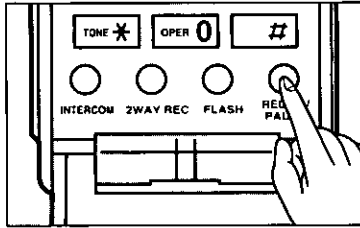
“” will go out.

—You can also hang up the call by pressing the TALK button.

NOTES:

- If alarm tone sounds when you try to make a call, move towards the main unit or place the cordless handset on the main unit. Then try again.
- If the alarm sounds during a conversation, you are out of operating range. Move towards the main unit quickly.
- If you open the cordless handset during a conversation between the main unit user and an outside caller, you may join the conversation.
- If you press the FAX button by mistake and “**FAX**” is displayed during a telephone conversation, press the FAX button again to resume the conversation.

Redialing the last dialed number



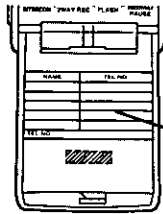
Follow step 1 on page 74 to get dial tone, then press **REDIAL/PAUSE**.

The last dialed number will be redialed.

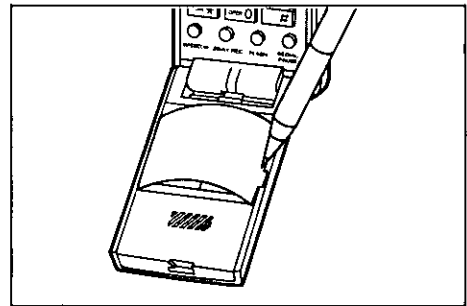
—Note that the last dialed number may have been dialed by the main unit.

Listing the telephone directory

1. Remove the cover using an instrument with a pointed end, like a pen, as shown.
2. Remove the telephone directory card.
3. Write down the names and phone numbers you are familiar with.
4. Re-install the telephone directory card.



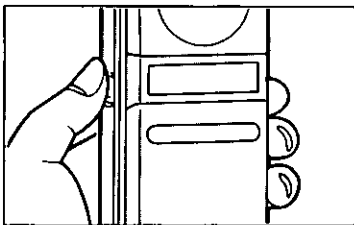
Telephone directory card



Answering voice calls

Make sure that the **POWER/RINGER** switch is set to "ON", or the cordless handset will not ring.

1

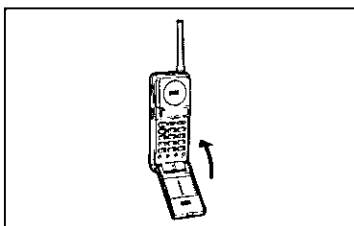


When the phone rings, press **OPEN** to open the cordless handset.

" " will be displayed and you can answer the call.

—If the cordless handset is left open, press the **TALK** button to answer the call.

2



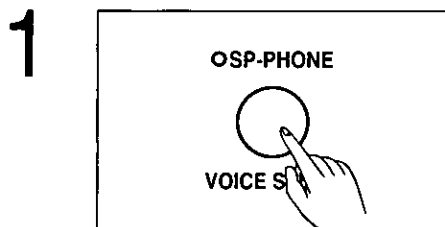
To hang up, close the cordless handset.

" " will go out.

—You can also hang up the call by pressing the **TALK** button.

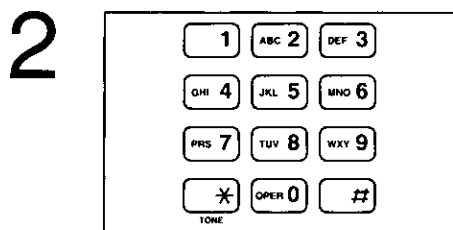
Making and Answering Voice Calls Using the Speaker-phone

Making voice calls

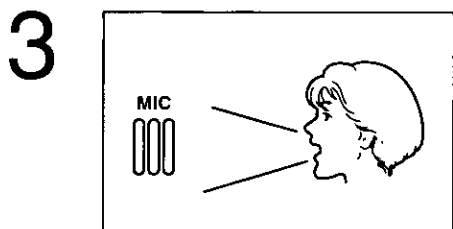


Press **SP-PHONE**.

The SP-PHONE indicator will light.

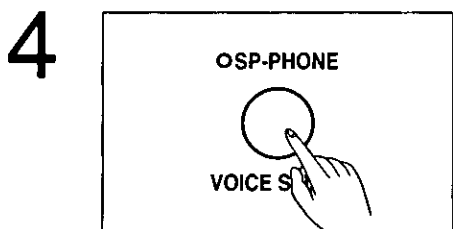


Dial the phone number.



When the other party answers, speak with them through the microphone (MIC).

Adjust the speaker volume using the **VOLUME** control.



When finished, press **SP-PHONE**.

The SP-PHONE indicator light will go out.

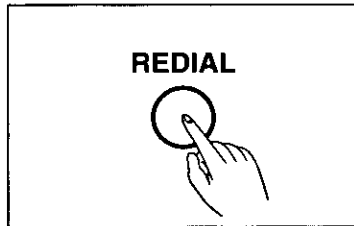
HELPFUL HINTS for the speaker-phone operation:

- Use the speaker-phone in a quiet room for best performance.
- If the other party has difficulty hearing you, decrease the volume using the **VOLUME** control.
- If you and the other party speak at the same time, parts of your conversation will be lost. To avoid this, speak alternately.
- While using the speaker-phone, if the cordless handset is on the main unit with powered on, you can switch to it simply by lifting it and pressing the **OPEN** button.

NOTE:

- During a conversation with an outside caller it is possible for both the cordless handset and the speaker-phone to be used, thus allowing a conference call.

Redialing the last dialed number



Press **SP-PHONE**, then press **REDIAL**.

The last dialed number will be dialed.

—Note that the last dialed number may have been dialed by the cordless handset.

NOTE:

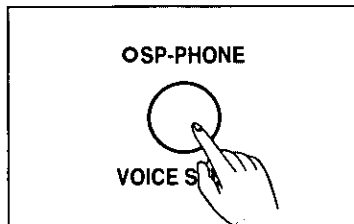
- If the line is busy, the unit will automatically redial the number (see item no. 9 on page 159). The SP-PHONE indicator will flash and the following message will be displayed while waiting to redial.

```
WED AUG10  3:00PM 00
WAITING TO REDIAL
```

To cancel, press the STOP (⊘) button.

Answering voice calls

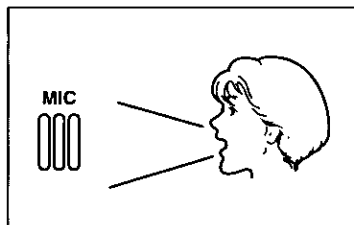
1



When the phone rings, press **SP-PHONE** to answer the call.

The SP-PHONE indicator light will be on.

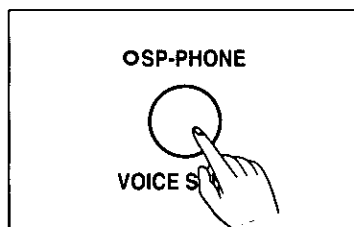
2



Speak into the microphone (MIC).

Adjust the speaker volume using the VOLUME control (page 13).

3



To hang up, press **SP-PHONE**.

The SP-PHONE indicator light will go out.

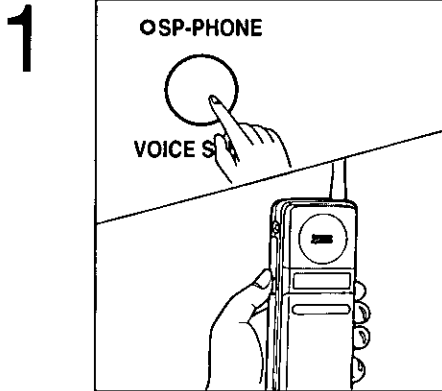
NOTE:

- For helpful hints for the speaker-phone operation, see page 76.

Making Voice Calls Using Automatic Dialer

The main unit's memory allows you to use both one-touch dialing (up to 12 phone numbers) and speed dialing (up to 100 phone numbers) for rapid access to your most frequently called numbers.

Before using these features, make sure that the desired telephone numbers have been stored in memory (see pages 108 to 113).



Press **SP-PHONE** on the main unit, then listen for the dial tone.

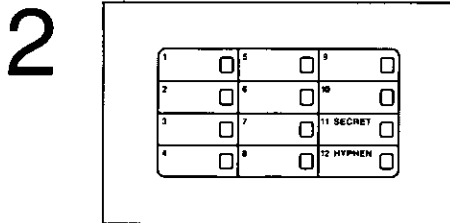
WED AUG10 3:00PM 00
ENTER PHONE NUMBER

or

Press **OPEN** to open the cordless handset, then listen for the dial tone.

"" will be displayed.

—If the cordless handset is left open, press the TALK button.

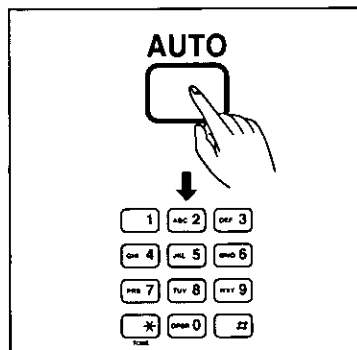


Using one-touch dialing:

Press the desired direct call station key on the main unit.

or

or



Using speed dialing:

Press **AUTO**.

Then press the desired station number (00 through 99) by using the dial keypad on the main unit.

—The dial keypad on the cordless handset is not available to dial the station number.

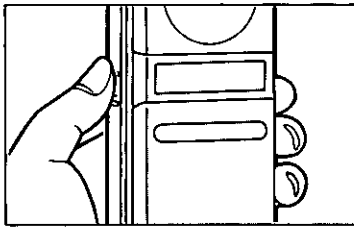
NOTES:

- If the key protection feature (see page 137) is set to on, use the SP-PHONE button in step 1. Because the keys on the main unit cannot be used after opening the cordless handset.
- While using the speaker-phone, if the cordless handset is on the main unit with powered on, you can switch to it simply by lifting it and pressing the OPEN button.

Receiving Documents with Cordless Handset _____

Make sure that the POWER/RINGER switch is set to "ON", or the cordless handset will not ring.

1

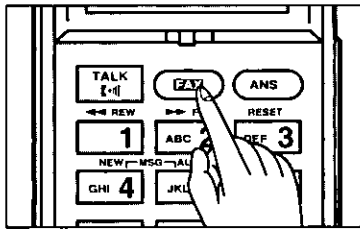


When the phone rings, press **OPEN** to open the cordless handset.

" " will be displayed and you can answer the call.

—If the cordless handset is left open when the phone rings, press the TALK button to answer the call.

2



When document reception is required by the other party or nothing is heard, press **FAX**.

"**FAX**" will be displayed.

The main unit will activate the fax function, then receive documents.

NOTE:

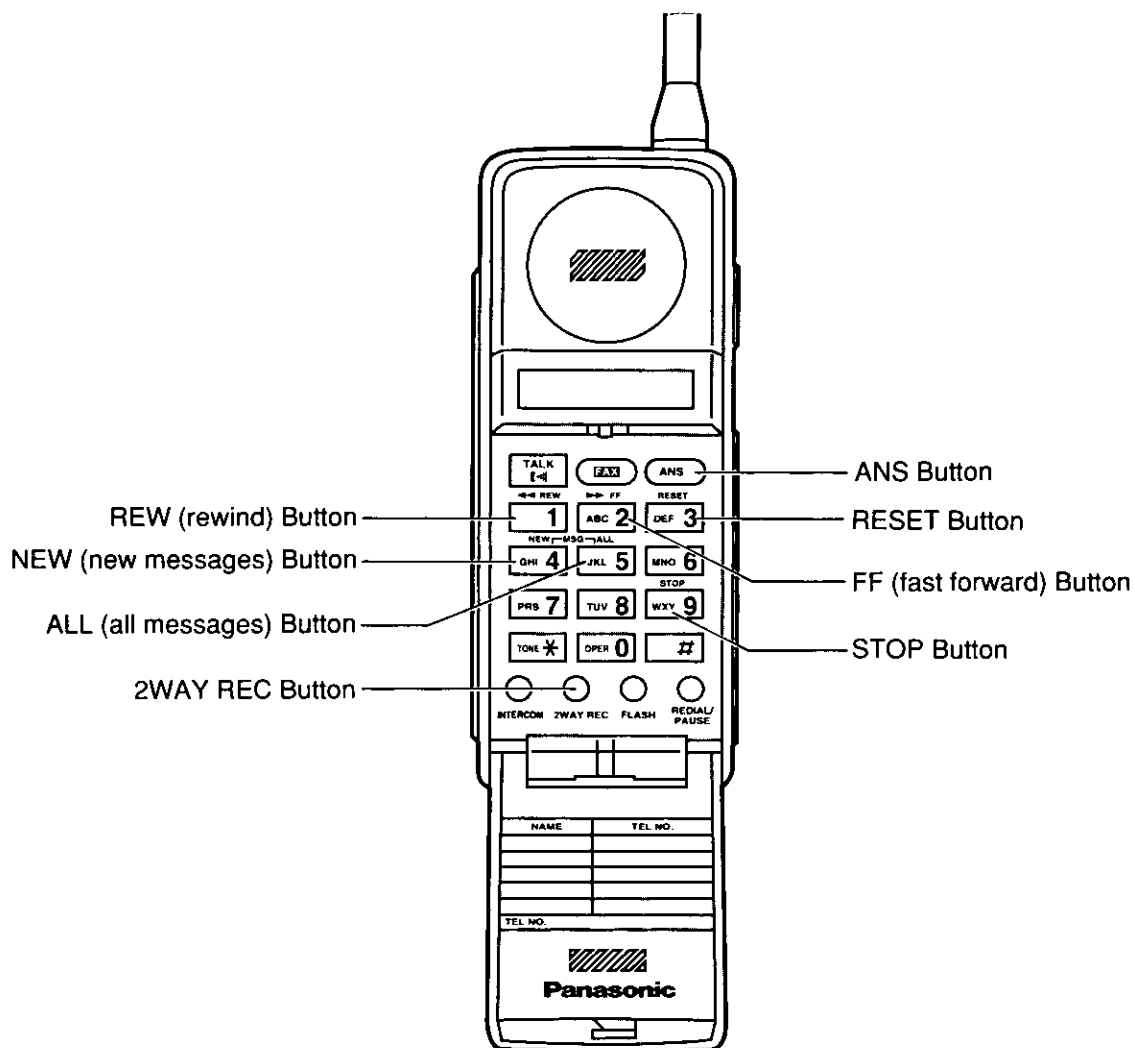
- To stop reception halfway, press the FAX button. The unit will stop receiving. To hang up, close the cordless handset or press the TALK button.

Operating the Answering Device from the Cordless Handset

You can operate the answering device of the main unit remotely with the cordless handset.

The following features are available from the cordless handset.

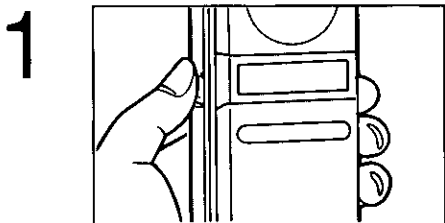
- Playing back newly recorded messages
- Playing back all the recorded messages
- Rewinding and advancing
- Resetting the tape for future messages
- Recording a telephone conversation (2-way recording)
- Call screening



NOTES:

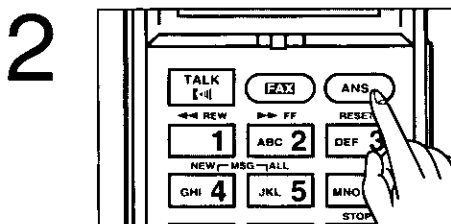
- When the MESSAGE ALERT feature (see page 135) is set to "ON", the cordless handset will emit 4 short beeps twice if it is placed away from the main unit. These beeps mean that the recording of an incoming message is over.
- If you hear tones during remote operation, it means someone is calling from outside. These tones replace the normal ringing signal. You can answer the call by pressing the TALK button. The remote operation will be then terminated.

Playing back messages



Press **OPEN** to open the cordless handset.

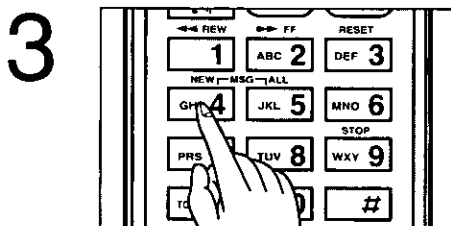
—If the cordless handset is left open, go to step 2.



Press **ANS**.

"**ANS**" will be displayed and a short beep(s) will sound. Short beep(s) indicate(s) the number of new messages recorded.

—Short beeps will sound up to 8 times even if 9 or more calls are recorded.



To play back new messages:

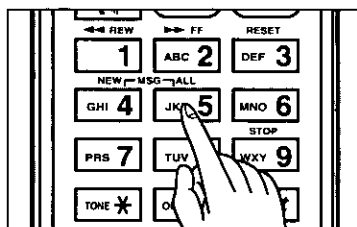
Press **4 (NEW)**.

The unit will play back the messages that you have not retrieved.

3 beeps will sound at the end of playback.

or

or

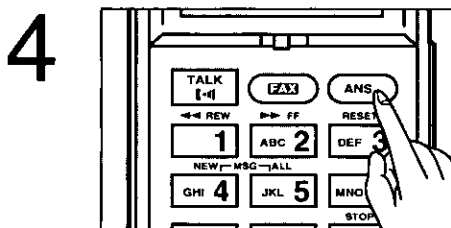


To play back all messages:

Press **5 (ALL)**.

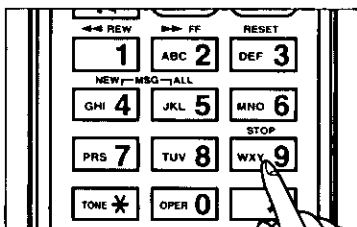
The unit will play back all the recorded messages.

3 beeps will sound at the end of playback.



Press **ANS** or close the cordless handset to end the operation.

To stop playback temporarily:



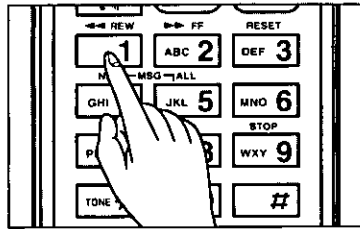
Press **9 (STOP)**.

—To resume playback, press 9 again within 15 seconds. Otherwise the remote operation will be terminated.

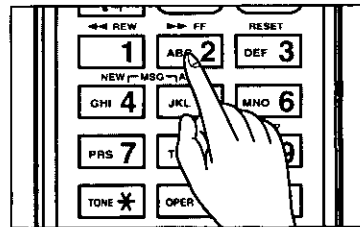
4

Rewinding and advancing (Back space and skip forward)

While listening to the recorded messages, you can rewind or advance the tape.



To rewind the tape, press 1 (REW).

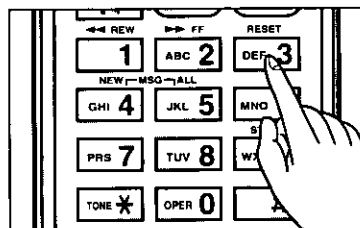


To advance the tape, press 2 (FF).

NOTE:

- The maximum length of a message that can be rewound or advanced by one press is approximately 15 seconds. You may have to press 1 or 2 several times to rewind or advance the tape to the desired position.

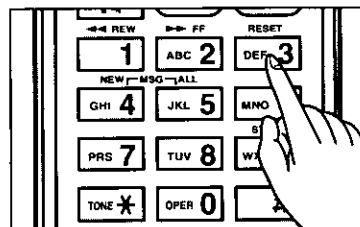
Resetting the tape after playback



Press 3 (RESET).

- When you played back all messages, the unit will rewind the tape to the beginning.
- When you played back only new messages, the unit will rewind the tape to the beginning of new messages.
- A beep will sound after rewinding the tape.

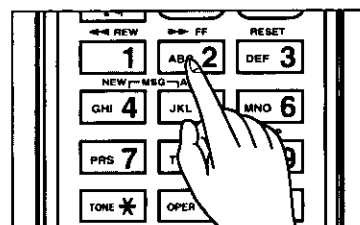
If you wish to rewind the tape to the beginning after playing back only new messages:



Press 3 (RESET) again after hearing a beep.

The unit will rewind the tape to the beginning.

If you wish to cancel the resetting of the tape:



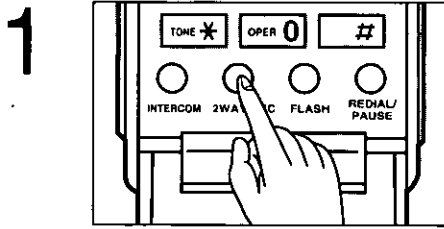
Press 2 (FF).

One beep will sound.

The unit will advance the tape to the end of the recorded messages while the recorded messages are being played back.

Recording a telephone conversation (2-way recording)

While speaking with someone using the cordless handset, you can record your conversation.

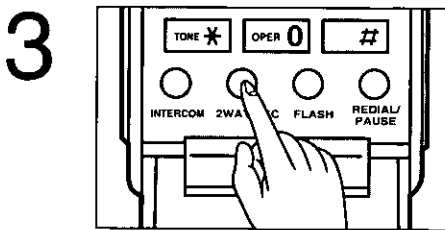


During telephone conversation, press **2WAY REC**.

"**ANS**" will be displayed and a beep will be heard.



Continue your conversation.



To stop recording, press **2WAY REC** again.

"**ANS**" will go out.

NOTE:

- 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.

Call screening

While an incoming message is being recorded, you can monitor the caller's voice through the receiver of the cordless handset and answer it if you want.

To answer the call while monitoring, press the OPEN button to open the cordless handset. If the cordless handset is left open, press the TALK button. The main unit will stop recording automatically and you can talk to the other party.

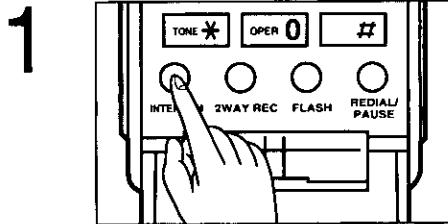
NOTE:

- If the call screening feature is turned off, you cannot monitor the caller's voice (see page 136).

Intercom Between the Main Unit and the Cordless Handset

You can use the cordless handset and the main unit as a 2-way intercom.

Paging the main unit from the cordless handset

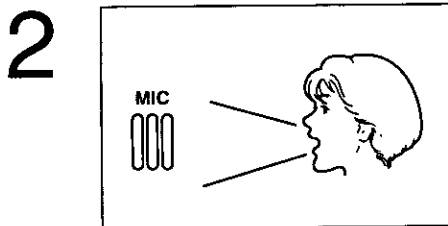


The cordless handset user:

Press **OPEN** to open the cordless handset, then press **INTERCOM**.

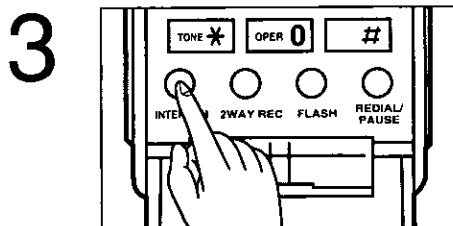
Both units will beep while the **INTERCOM** button is pressed. When you release it, the main unit will automatically switch to the intercom mode.

—If there is no answer, press the button again to end the intercom.



The main unit user:

When the unit beeps and the paging party's voice is heard, answer through the microphone (**MIC**).



The cordless handset user:

When the conversation is over, close the cordless handset or press **INTERCOM**.

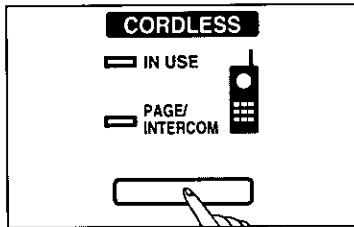
—Intercom calls can only be terminated by the cordless handset.

HELPFUL HINTS:

- If you hear tones during an intercom conversation, it means someone is calling from outside. These tones replace the normal ringing signal. You can answer the call by pressing the **TALK** button on the cordless handset or the **SP-PHONE** button on the main unit. The intercom call will be then terminated.
- During a conversation with an outside caller, you can place the outside caller on hold and make an intercom call between the cordless handset and the main unit. Please refer the **HELPFUL HINTS** on pages 86 and 87.

Paging the cordless handset from the main unit

1

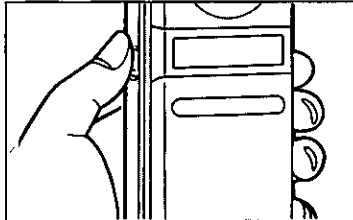


The main unit user:
Press **PAGE/INTERCOM**.

Both units beep until the cordless handset user answers the page.

—If there is no answer, press the **PAGE/INTERCOM** button again to stop paging.

2

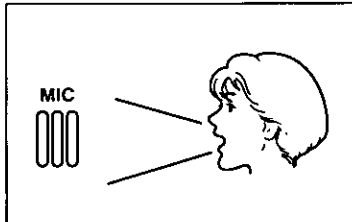


The cordless handset user:

When the unit beeps and “**INTERCOM**” flashes on the display, press **OPEN** to answer the page.

—If the cordless handset is left open when paged, press the **INTERCOM** button.

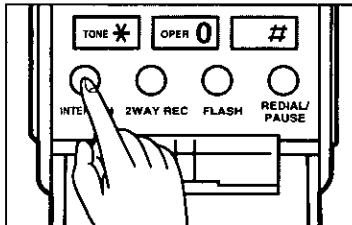
3



The main unit user:

Speak to the paged party through the microphone (**MIC**).

4



The cordless handset user:

When the conversation is over, close the cordless handset or press **INTERCOM**.

—Intercom calls can only be terminated by the cordless handset.

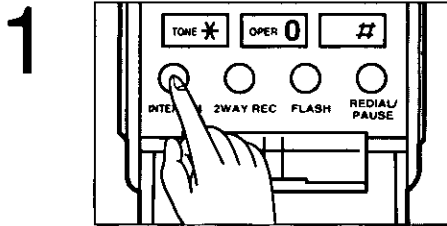
HELPFUL HINT:

- The main unit user can adjust the speaker volume using the **VOLUME** control (see page 13). If the other party has difficulty hearing you, decrease the volume.

Transferring an Incoming Call Using the Intercom

The intercom can be used during an outside call. This feature enables you to transfer the call between the cordless handset and the main unit.


Transferring from the cordless handset to the main unit

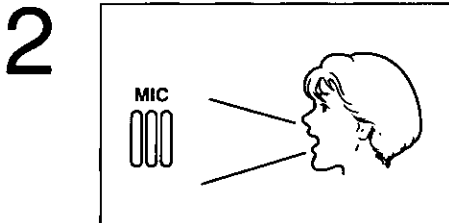


The cordless handset user:

During a conversation with an outside caller, press **INTERCOM** to page the main unit.

The outside call will be put on hold.

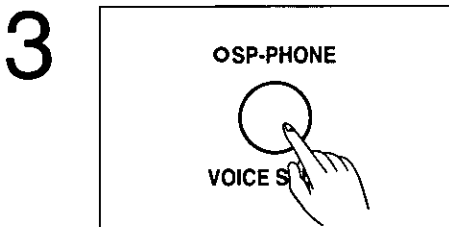
" " will flash.



The main unit user:

When the paging party's voice is heard, answer through the microphone.

WED AUG10 3:00PM 00 INTERCOM HOLD



To answer the outside call, press **SP-PHONE**.

The transfer will be completed.

HELPFUL HINTS:

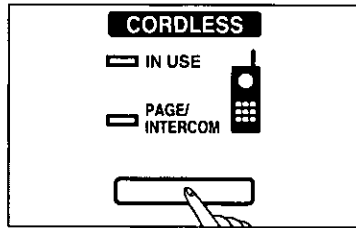
- When you press the **INTERCOM** button during an outside call with the cordless handset, the call will be put on hold. The cordless handset user and the main unit user can then talk privately without the outside caller listening in. To resume the outside call, press the **SP-PHONE** button (main unit) or the **TALK** button (cordless handset).
- The cordless handset user can join the conversation between the main unit user and the outside caller by pressing the **TALK** button. When the conversation is over, close the cordless handset or press the **TALK** button again.

NOTE:

- If you place a call on hold for 6 minutes, warning ringing tone will sound. The call will be disconnected after total 10 minutes.

Transferring from the main unit to the cordless handset

1



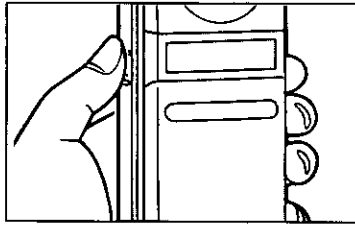
The main unit user:

During a conversation with an outside caller, press **PAGE/INTERCOM** to page the cordless handset.

The outside call will be put on hold.
The SP-PHONE and PAGE/INTERCOM indicators will flash.

WED AUG10 3:00PM 00
INTERCOM HOLD

2



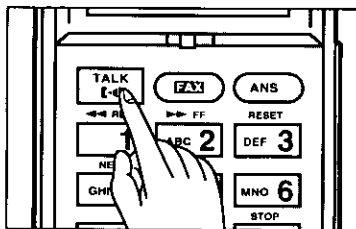
The cordless handset user:

When the unit beeps and "**INTERCOM**" flashes on the display, press **OPEN** to answer the page.

"**[Icon]**" will flash.

—If the cordless handset is left open when paged, press the INTERCOM button.

3



To answer the outside call, press **TALK**.

"**INTERCOM**" will go out and the transfer will be completed.

4

HELPFUL HINTS:

- When you press the PAGE/INTERCOM button during an outside call with the speaker-phone, the call will be put on hold. The cordless handset user and the main unit user can then talk privately without the outside caller listening in. To resume the outside call, press the SP-PHONE button (main unit) or the TALK button (cordless handset).
- The main unit user can join the conversation between the cordless handset user and the outside caller by pressing the SP-PHONE button.

WED AUG10 3:00PM 00
CONFERENCE CALL

When the conversation is over, press the SP-PHONE button.

NOTE:

- If you place a call on hold for 6 minutes, warning ringing tone will sound. The call will be disconnected after total 10 minutes.

Chapter 5

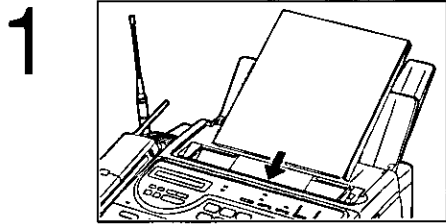
Special Features

Delayed Transmission

Using a built-in clock, the 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 within 24 hours in advance.

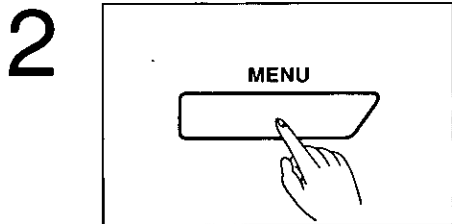
HELPFUL HINT:

- If you lose your instructions while programming, press the HELP button. The unit will print information on how to program.



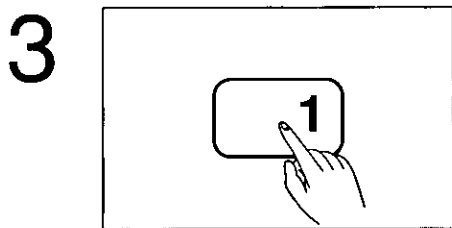
Insert the documents FACE DOWN.

—The unit can accept up to 10 sheets of paper at a time.



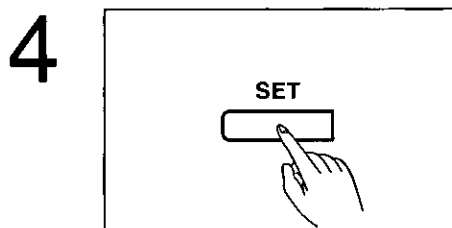
Press **MENU** until the following is shown.

```
DELAYED XMT
=OFF [1.ON 2.OFF]
```



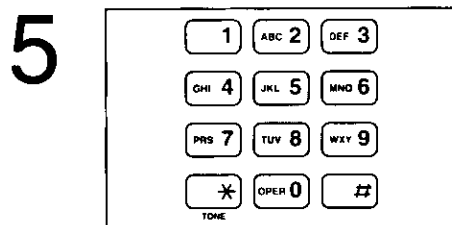
Press 1 to activate this feature.

```
DELAYED XMT
=ON [1.ON 2.OFF]
```



Press **SET**.

```
ENTER PHONE NUMBER
=
```

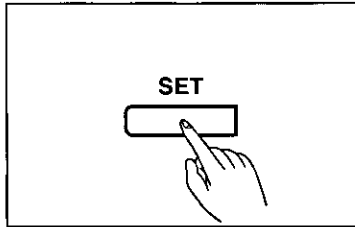


Enter the desired phone number by using the direct call station key, the speed dial station, or a full number.

Example: Direct call station 6 is dialed.

```
ENTER PHONE NUMBER
=<S06>
```

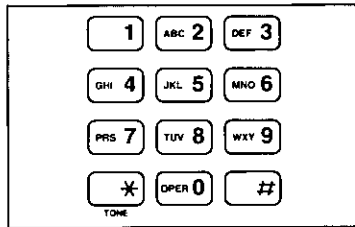
6



Press **SET**.

SET START TIME
12:00AM [*=AM #=PM]

7



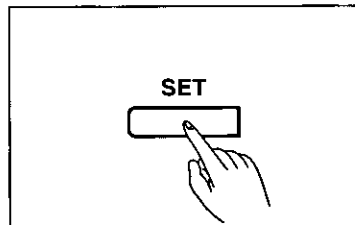
Enter the time of the start of transmission.

Example: If the starting time is 11:00PM, press 1100, then press #.

SET START TIME
11:00PM [*=AM #=PM]

—To select AM mode, press *.

8



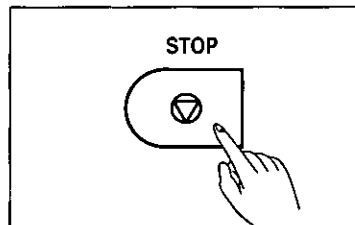
Press **SET** to store the program in memory.

WED AUG10 3:30PM 00
XMT AT 11:00PM

The delayed transmission will be set.
When the programmed time comes, the transmission will start.

To cancel the delayed transmission:

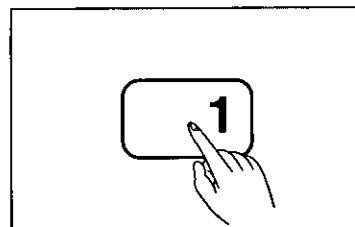
1



Press **STOP** (⊘).

CANCEL DELAYED
XMT? [1.YES 2.NO]

2



Press **1**.

The delayed transmission has been canceled.

NOTES:

- You can receive, transmit and copy documents while the delayed transmission is set. To copy or transmit documents after setting delayed transmission, remove documents from the tray and replace them when you have finished.
- If there is no answer or the line is busy, the unit will automatically redial the number (see item no. 8 on page 159).
To cancel automatic redialing, press the STOP (⊘) button.
- The setting of the delayed transmission will not be canceled if a power failure occurs. If the power is restored before the programmed start time, transmission will be attempted according to the programmed start time. If the power is restored after the programmed start time, transmission will be attempted soon after the power is restored. Please note that this may cause transmission to occur at a time when phone rates are higher than anticipated.

Network Communication

The network communication feature eliminates fax transmissions to unauthorized parties, and helps to prevent reception from unauthorized stations. This feature is effective in preventing "junk mail" faxes.

When the network communication feature is used, the identical network passcode of 4 digits must be programmed on both sides of the line. The unit checks the passcode before transmitting or receiving a document.

IMPORTANT:

- These features are effective only between compatible machines that have the same passcode. Concerning the compatibility, see page 8.

The unit provides two types of passcode check modes as below.

■ **Transmission passcode check mode:**

Use this feature to restrict document transmission. If the passcode sent from the other compatible machines does not match with the one programmed in your unit, transmission will not take place (see page 95 for transmission passcode check setting).

■ **Reception passcode check mode:**

Use this feature to restrict document reception. If the passcode sent from the other compatible machines does not match with the one programmed in your unit, reception will not take place (see page 96 for reception passcode check setting).

Using a passcode

Before communication begins, check that your passcode and the other station's passcode are identical. See page 94 to program the passcode.

■ **To transmit a document to a designated station only:**

Set the transmission passcode check mode to on (see page 95).

Functions	Your unit	Other compatible machine
Transmission passcode check mode	ON	ON/OFF
Reception passcode check mode	OFF	ON/OFF

Your unit transmits a document only when the correct passcode has been received.

■ **To receive a document from a designated station only:**

Set the reception passcode check mode to on (see page 96).

Functions	Your unit	Other compatible machine
Transmission passcode check mode	OFF	ON/OFF
Reception passcode check mode	ON	ON/OFF

Your unit receives a document only when the correct passcode has been received.

■ **To send a document to and receive a document from a designated station:**

Set both the transmission passcode check mode and the reception passcode check mode to on (see pages 95 and 96).

Functions	Your unit	Other compatible machine
Transmission passcode check mode	ON	ON/OFF
Reception passcode check mode	ON	ON/OFF

Your unit transmits and receives a document only when the correct passcode has been received.

■ **To have facsimile communications within a designated group of people:**

All the people in the group must set both the transmission passcode check mode and the reception passcode check mode to on (see pages 95 and 96).

Functions	Your unit	Other compatible machine
Transmission passcode check mode	ON	ON
Reception passcode check mode	ON	ON

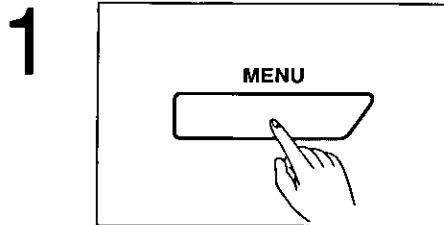
Only units that share identical passcodes can transmit and receive documents each other.

Programming the network passcode

To activate this feature, the identical network passcode must be preprogrammed both on your unit and the other compatible machine(s).
The network passcode should be any 4-digit number except 0000.

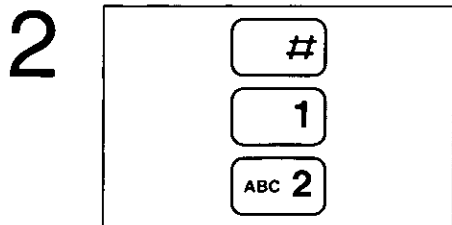
IMPORTANT:

- The network passcode is pre-programmed to "0000", which will not activate the network communication feature.



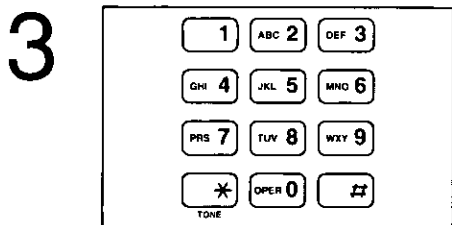
Press **MENU** until the following is shown.

```
PROGRAM[1.DATE 2.TEL
3.SYSTEM 4.REPORT]
```



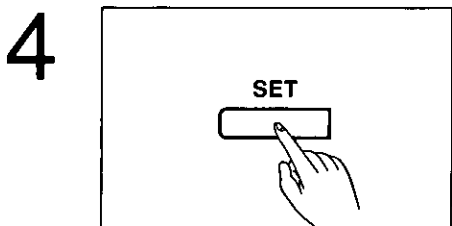
Press #, then press 12.

```
NETWORK PASSCODE
=0000
```

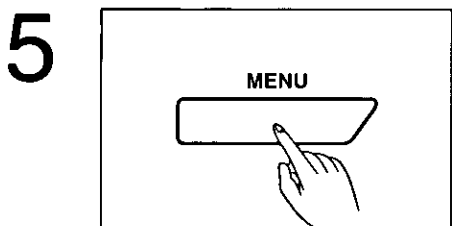


Enter the desired 4-digit passcode (choose from 0001 to 9999).

—To correct an error, use the cursor key (◀ or ▶) to move the cursor to the incorrect number, then make the correction.



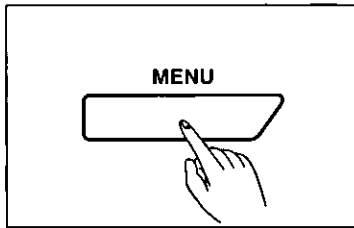
Press **SET** to store the program in memory.



Press **MENU** to end the operation.

Turning the transmission passcode check on

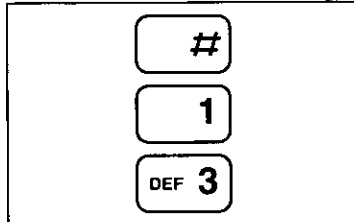
1



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

```
PROGRAM[1.DATE 2.TEL  
3.SYSTEM 4.REPORT]
```

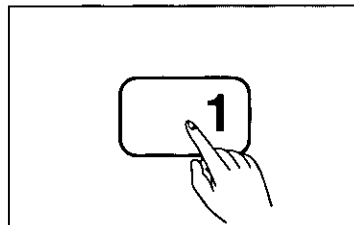
2



Press #, then press **13**.

```
TX PASSCODE CHECK  
=OFF [1.ON 2.OFF]
```

3

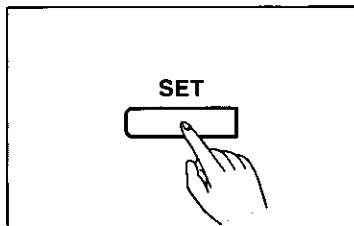


Press **1** to activate this feature.

```
TX PASSCODE CHECK  
=ON [1.ON 2.OFF]
```

—To turn off this feature, press 2.

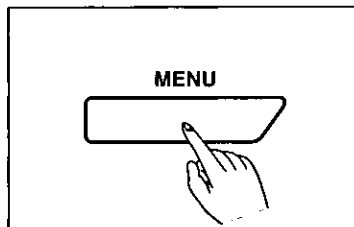
4



Press **SET** to store your selection in memory.

```
PROGRAM[1.DATE 2.TEL  
3.SYSTEM 4.REPORT]
```

5

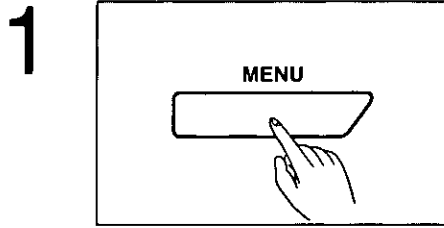


Press **MENU** to end the operation.

```
WED AUG10 3:30PM 00  
TX PASSCODE CHECK ON
```

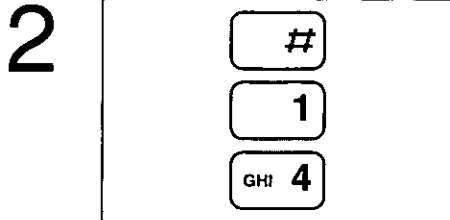
5

Turning the reception passcode check on



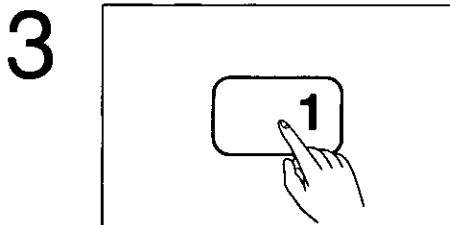
Press **MENU** until the following is shown.

```
PROGRAM[1.DATE 2.TEL  
3.SYSTEM 4.REPORT]
```



Press #, then press **14**.

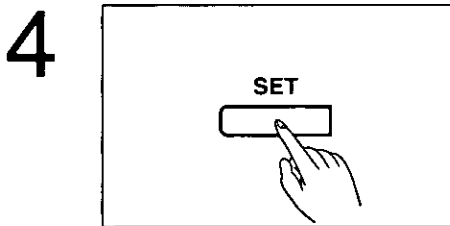
```
RX PASSCODE CHECK  
=OFF [1.ON 2.OFF]
```



Press **1** to activate this feature.

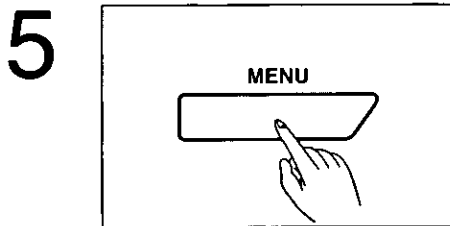
```
RX PASSCODE CHECK  
=ON [1.ON 2.OFF]
```

—To turn off this feature, press 2.



Press **SET** to store your selection in memory.

```
PROGRAM[1.DATE 2.TEL  
3.SYSTEM 4.REPORT]
```



Press **MENU** to end the operation.

```
WED AUG10 3:30PM 00  
RX PASSCODE CHECK ON
```


Remote Fax Receiving Using a Reserve Phone _____

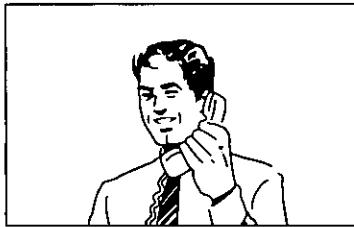
If a reserve phone is connected to the same line to which the facsimile unit is connected, it is possible to receive a fax document into the facsimile unit by using the reserve phone near you. This saves you the trouble of going to the facsimile unit and pressing the START button.

IMPORTANT:

- This feature is only effective when you receive a call.
- To activate this feature, use a touch tone telephone as a reserve phone.

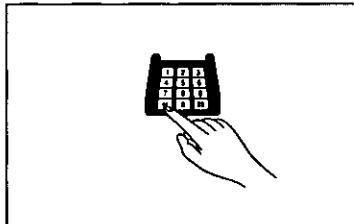
Using a reserve phone

1



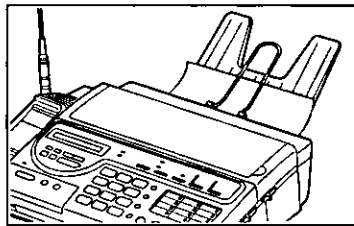
When a call comes in, lift the handset of the reserve phone.

2



If a slow beep is heard, or the other party wishes to send you a fax message, press * and * on the reserve phone (remote fax activation code).

3



The main unit will switch to fax, then receive documents.

NOTE:

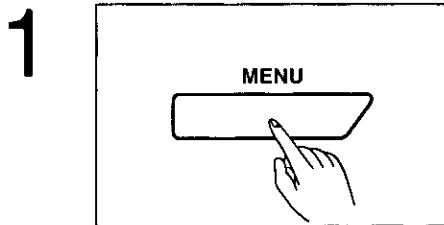
- The remote fax activation code can be changed to another 2 to 4-digit number (see page 98).

Changing a remote fax activation code

Your code can be from 2 to 4 digits long. The numbers 0 through 9 and characters # and * may be used. (e.g. **, 123, 123#)

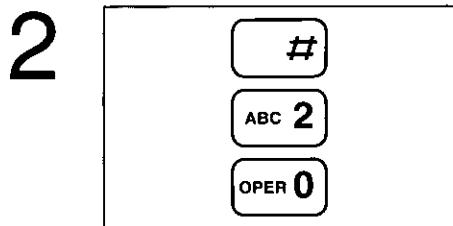
IMPORTANT:

If the code is set to "0000", the remote fax receiving feature will not be used.



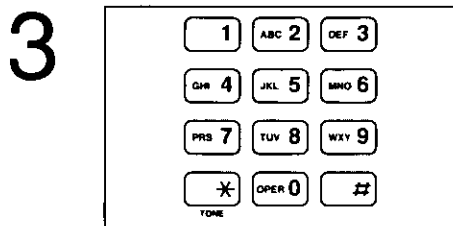
Press **MENU** until the following is shown.

PROGRAM[1.DATE 2.TEL
3.SYSTEM 4.REPORT]

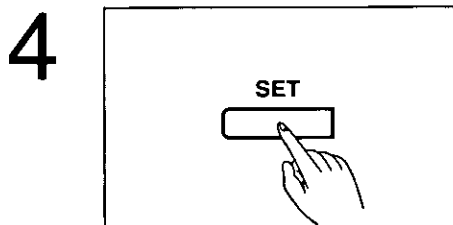


Press #, then press **20**.

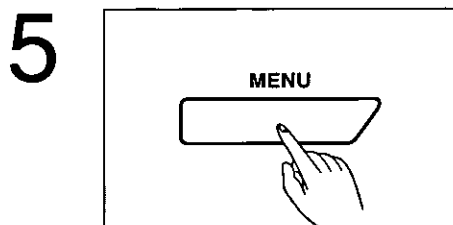
REMOTE FAX ACT.
CODE=**



Enter the desired code number.



Press **SET** to store the program in memory.

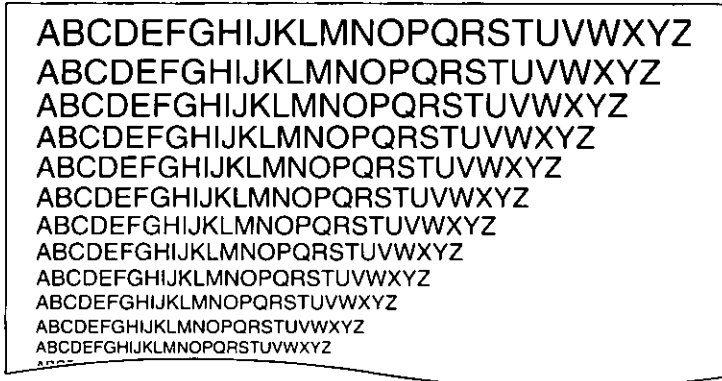


Press **MENU** to end the operation.

Extension Copy

When this feature is on, the unit will copy a document twice in length.
When it is hard to read a document sent by the other unit because your unit is in the paper save function (see page 133) or for other reasons, we recommend that you use this feature.

Original document



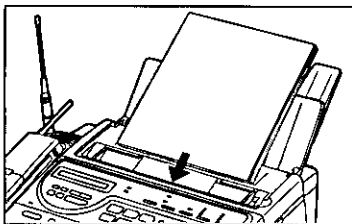
Extended copy



5

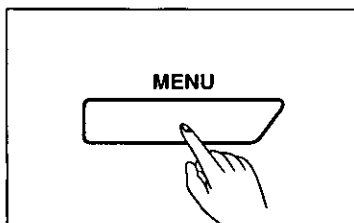
To make an extension copy, proceed as follows:

1



Insert the documents **FACE DOWN**.

2

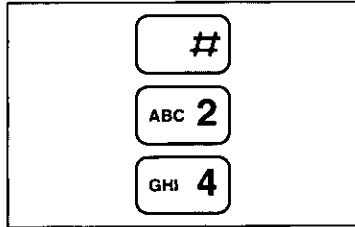


Press **MENU** until the following is shown.

PROGRAM[1.DATE 2.TEL
3.SYSTEM 4.REPORT]

(continued)

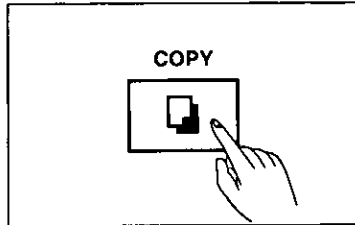
3



Press #, then press 24.

EXTENSION COPY
PRESS COPY KEY

4

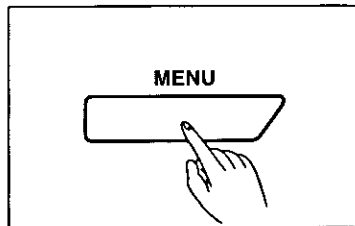


Press **COPY**.

The unit will start making a copy.

EXTENSION COPY
COPYING DOCUMENT

5



Press **MENU** to end the operation.

NOTES:

- This feature works even if the paper save function is on.
- To cancel copying, press the STOP (⊘) button.
- When copying documents printed on thermal recording paper, feed them into the unit one by one, or they may jam.

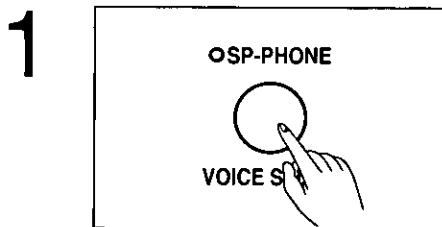
Voice Contact

Initiating voice contact

While transmitting or receiving a document, you may wish to speak to the other party. If the other party's unit is equipped with a voice contact feature, you can initiate voice contact and notify the other party that you wish to speak after the transmission/reception is completed. The other party's fax will emit a distinctive ring which indicates that a voice conversation is required.

This saves the extra expense and time of making a subsequent telephone call to discuss information sent over the fax.

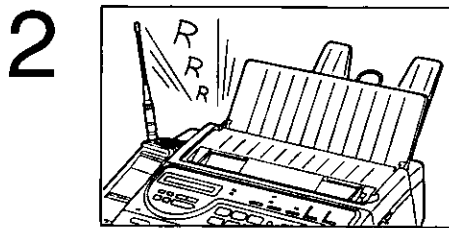
With the main unit



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

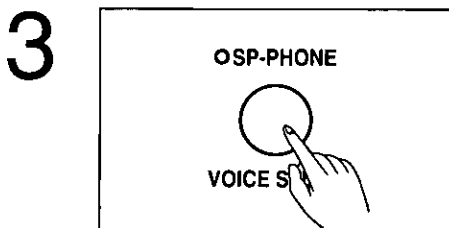
Example: The voice contact is initiated while transmitting.

```
SENDING          P 1  
VOICE STANDBY
```



When the other party answers, the main unit will emit a distinctive ring. While ringing, the SP-PHONE indicator will flash and the display will show the following message:

```
SENDING          P 1  
ANSWER PHONE
```

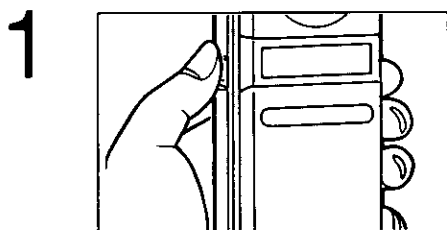


Press **SP-PHONE/VOICE STDBY** again, then start speaking through the microphone (MIC).


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 receiving the current page of the documents.

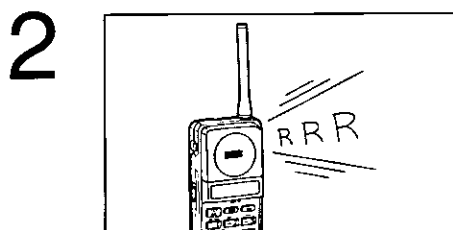
With the cordless handset



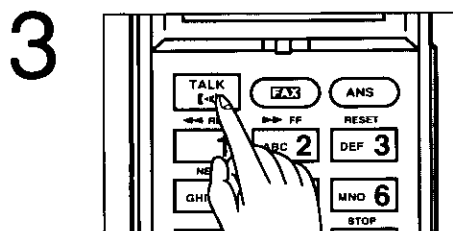
While transmitting or receiving the documents, press **OPEN** to open the cordless handset, then press **TALK**.

“” will flash.

—If the cordless handset is left open, press the **TALK** button.



When the other party answers, the cordless handset will emit a distinctive ring.



Press **TALK**, then start speaking.

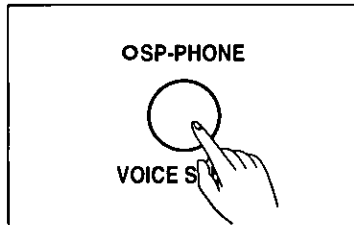
NOTES:

- 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 receiving the current page of the documents.

Receiving a request for voice contact

If the other party initiates voice contact during transmission or reception, the main unit and the cordless handset will emit a distinctive ring after the transmission/reception is completed.

With the main unit

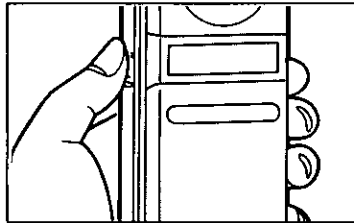


When a distinctive ring is heard, press **SP-PHONE**, then start speaking through the microphone.

Example: Voice contact is requested during fax reception.

RECEIVING	P 1
ANSWER PHONE	

With the cordless handset



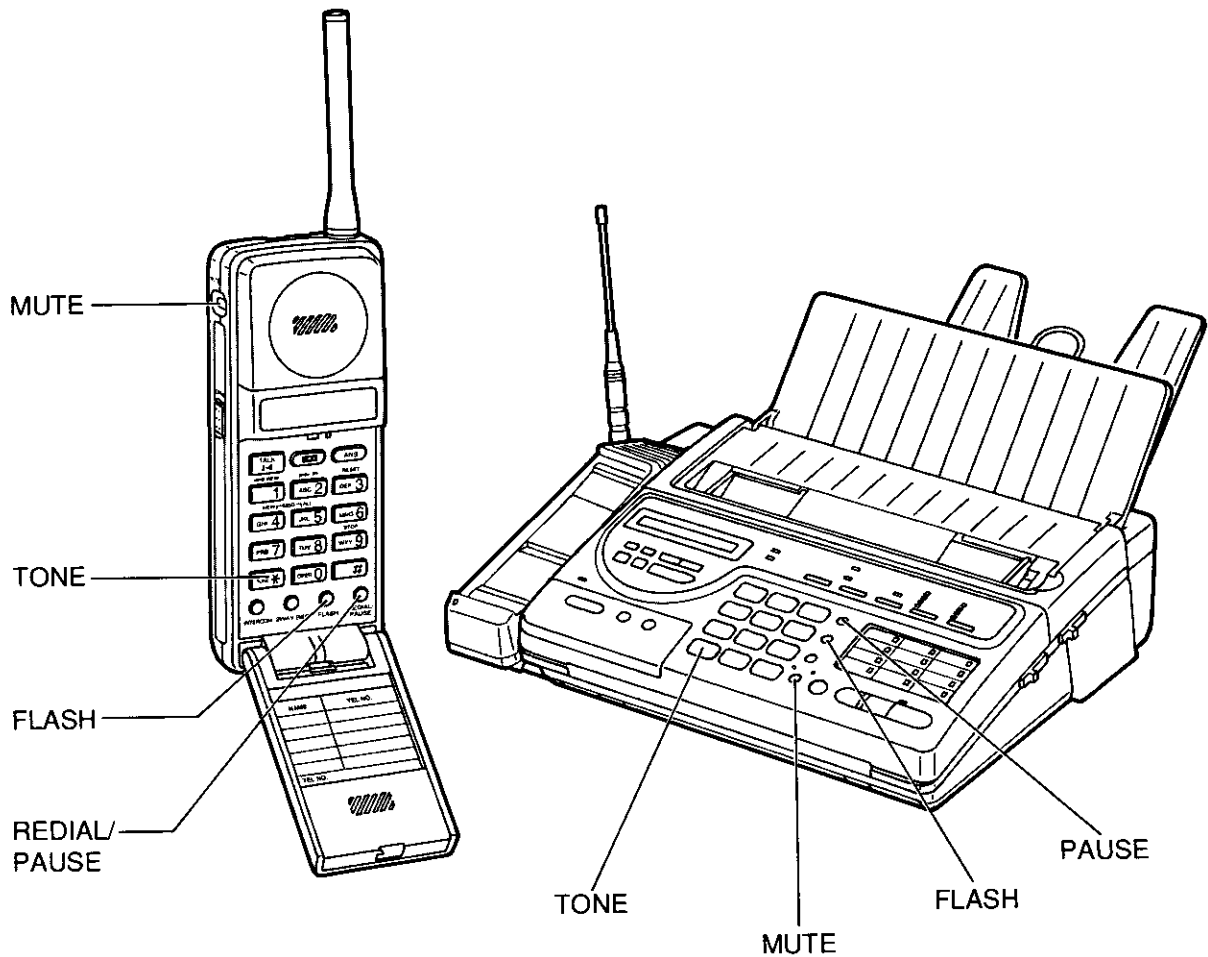
When a distinctive ring is heard, press **OPEN** to open the cordless handset, then start speaking.

—If the cordless handset is left open, press the **TALK** button to answer the call.

NOTE:

- If you do not answer within 10 seconds after hearing the distinctive rings, 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.

TONE, FLASH, PAUSE and MUTE Buttons



TONE button

This function is only used when your line has a rotary pulse dial service. Pressing the TONE (*) button allows you to change from pulse to tone mode during a dialing operation and enter special tones and codes to operate the answering device, electronic banking services, call processing services and other special services. When you hang up, the unit automatically returns to pulse mode.

NOTE:

- "TONE" can be stored into memory (see pages 108 to 113).

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, please contact the supplier or your local telephone company for information about the availability of these services.

NOTE:

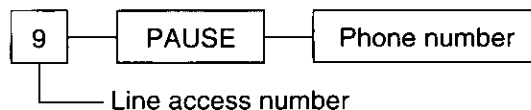
- “FLASH” can be stored into memory (see pages 108 to 113).

PAUSE (REDIAL/PAUSE) button

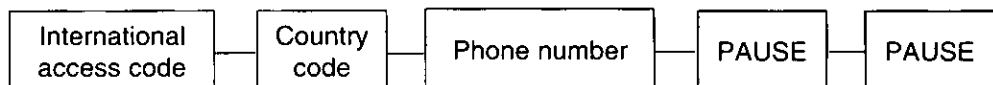
If your unit is connected to a host exchange, you need to dial an access number to get an outside line. In this case, a pause needs to be inserted between the access number and the phone number, especially when redialing or storing the number into memory. Pressing PAUSE (REDIAL/PAUSE) button causes a dialing delay in the dialing sequence.

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

Example-1: Dial or store the phone numbers as follows when the line access number of your exchange is 9.



Example-2: Dial or store the phone numbers as follows to make an overseas transmission.



NOTE:

- “PAUSE” can be stored into memory (see pages 108 to 113).

MUTE button

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.

Cordless handset: Keep the MUTE button pressed. When you release the button, the conversation is resumed.

Main unit: Press the MUTE button and confirm the MUTE indicator light is on. To resume the conversation, press the button again.

Chapter 6

Registration

Storing Phone Numbers for Automatic Dialing _____

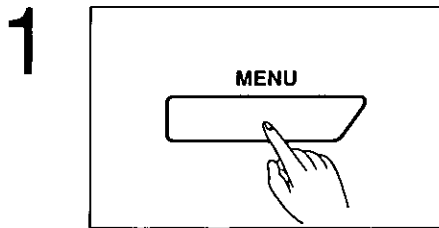
The unit's memory allows you to use both one-touch dialing (up to 12 phone numbers) and speed dialing (up to 100 phone numbers) for rapid access to your most frequently dialed numbers.

HELPFUL HINT:

- If you lose your instructions while programming, press the HELP button. The unit will print information on how to program.

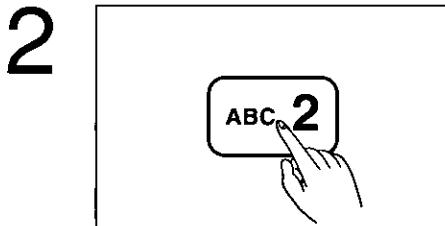
Storing phone numbers for one-touch dialing

This unit is equipped with 12 direct call station keys, including SECRET and HYPHEN keys, each of which can store a telephone number and a station name. Each phone number can be programmed up to 30 digits in length. Each station name can be programmed up to 16 alpha-numeric characters.



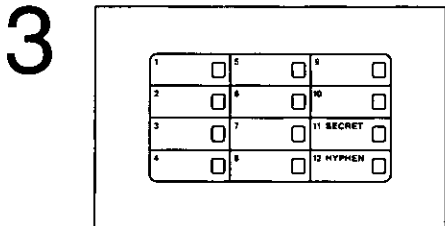
Press **MENU** until the following is shown.

```
PROGRAM{1.DATE 2.TEL
3.SYSTEM 4.REPORT}
```



Press **2**.

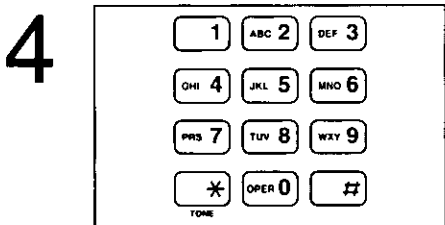
```
SELECT AUTO OR
DIRECT CALL KEY
```



Press one of the direct call station keys where you want to store the phone number.

Example: The station number is 6.

```
ENTER PHONE NO.<S06>
=
```



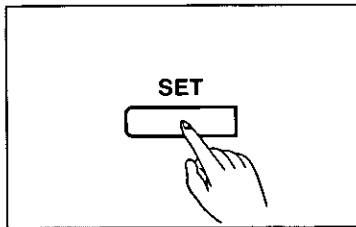
Enter the phone number.

Example: The phone number is 7654321.

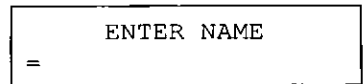
```
ENTER PHONE NO.<S06>
=7654321
```

- If you want to insert a hyphen in the number, press the HYPHEN key. HYPHEN is counted as 2 digits.
- To correct an error while programming, press the CLEAR button, then make the correction.

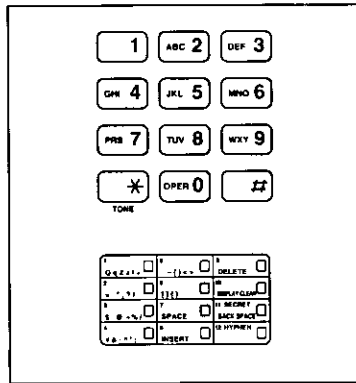
5



Press **SET** to store the program in memory.



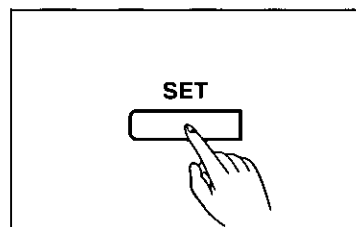
6



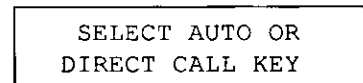
Enter the name associated with the direct call station by using the dial keypad and the direct call station keys as character keys, and the cursor keys (◀ or ▶).

—For further details on character keys, see page 43.

7

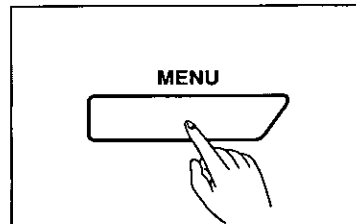


Press **SET** to store the program in memory.



—To program other phone numbers, repeat steps 3 to 7.

8



After programming all numbers, press **MENU** to end the operation.

—To send documents using one-touch dialing, see page 50.

—To make calls using one-touch dialing, see page 78.

NOTES:

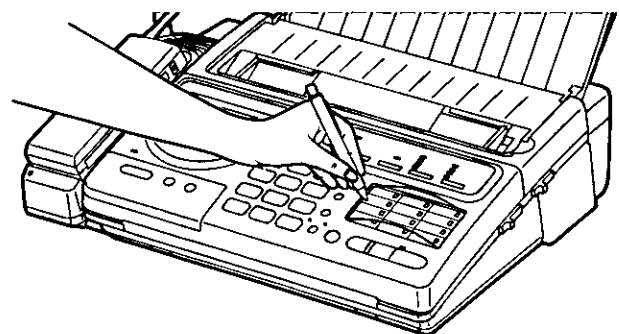
- To cancel the programming halfway, press the MENU button.
- Confirm that phone numbers and their station names have been correctly stored by printing the telephone number list (see page 114).

HELPFUL HINT for overseas transmission:

- When storing the phone number, add two pauses at the end of the number by pressing the PAUSE button (see page 105).

Listing the directory card

1. Remove the cover using an instrument with a pointed end, like a pen, as shown below.
2. Remove the directory card.
3. Write in the names associated with the direct call station keys.
4. Re-install the directory card.



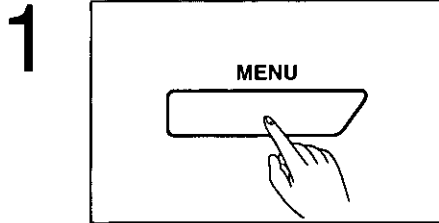
6

Storing phone numbers for speed dialing

The unit is equipped with 100 stations (00 through 99), each of which can store a phone number and a station name.

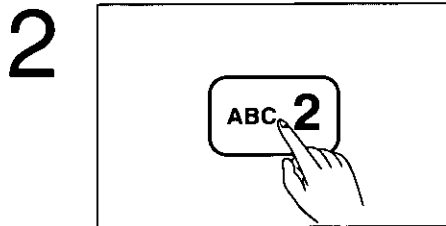
Each phone number can be programmed up to 30 digits in length.

Each station name can be programmed up to 16 alpha-numeric characters.



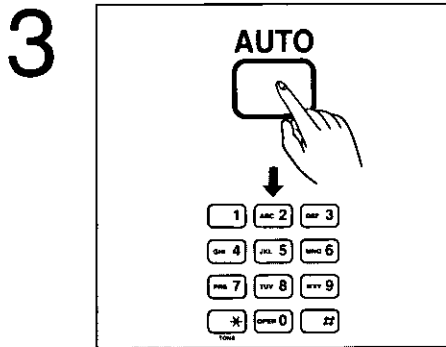
Press **MENU** until the following is shown.

PROGRAM[1.DATE 2.TEL
3.SYSTEM 4.REPORT]



Press **2**.

SELECT AUTO OR
DIRECT CALL KEY

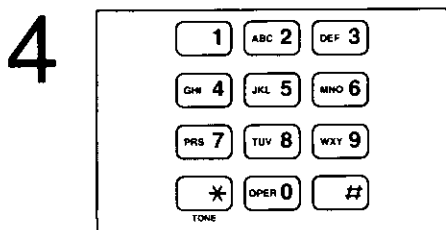


Press **AUTO**.

Enter the 2-digit number (00 through 99).

Example: The station number is 00.

ENTER PHONE NO.<A00>
=



Enter the phone number.

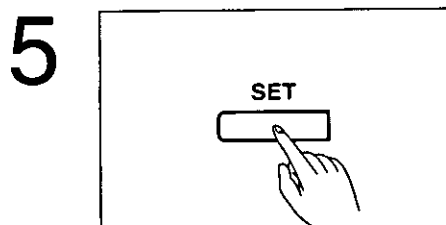
Example: The phone number is 1234567.

ENTER PHONE NO.<A00>
=1234567

—If you want to insert a hyphen in the number, press the HYPHEN key.

HYPHEN is counted as 2 digits.

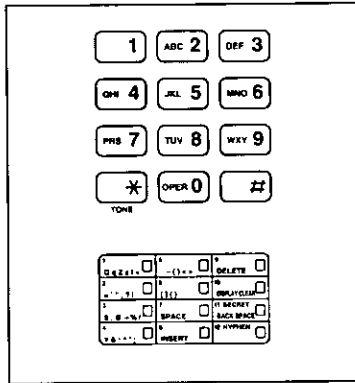
—To correct an error while programming, press the CLEAR button, then make the correction.



Press **SET** to store the program in memory.

ENTER NAME
=

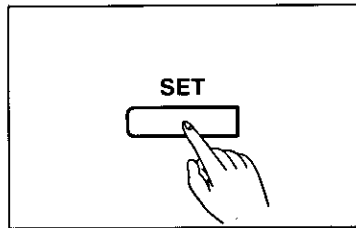
6



Enter the name associated with the speed dial station by using the dial keypad and the direct call station keys as character keys, and the cursor keys (◀ or ▶).

—For further details on character keys, see page 43.

7

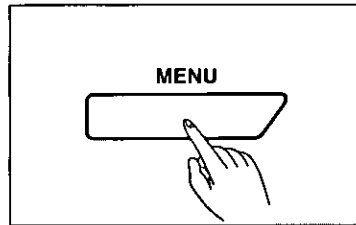


Press **SET** to store the program in memory.

SELECT AUTO OR
DIRECT CALL KEY

—To program other phone numbers, repeat steps 3 to 7.

8



After programming all the numbers, press **MENU** to end the operation.

—To send documents using speed dialing, see page 50.

—To make calls using speed dialing, see page 78.

NOTES:

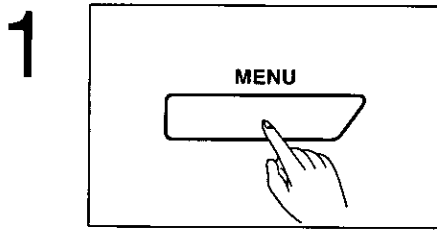
- To cancel the programming halfway, press the MENU button.
- Confirm that phone numbers and their station names have been correctly stored by printing the telephone number list (see page 114).
- The speed dialer lists on pages 167 and 168 are available to list the phone numbers for speed dialing.

HELPFUL HINT for overseas transmission:

- When storing the phone number, add two pauses at the end of the number by pressing the PAUSE button (see page 105).

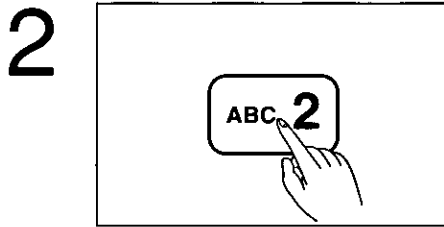
Storing secret phone numbers

This function is useful for keeping a whole phone number or a portion of a phone number secret. When the telephone number list (see page 114) is printed out, secret numbers will not be printed.



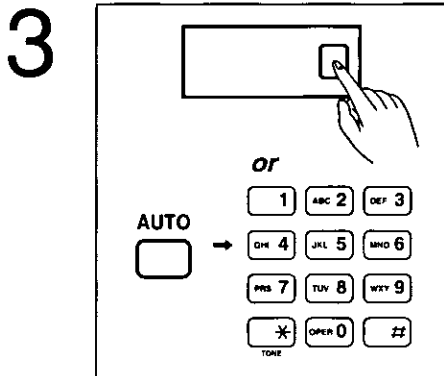
Press **MENU** until the following is shown.

```
PROGRAM[1.DATE 2.TEL
3.SYSTEM 4.REPORT]
```



Press **2**.

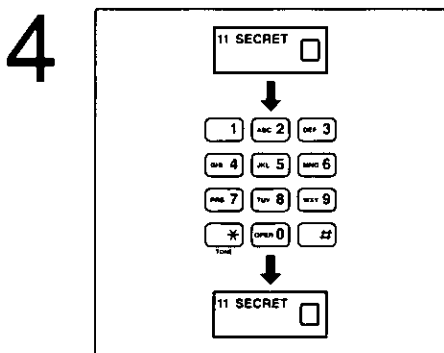
```
SELECT AUTO OR
DIRECT CALL KEY
```



Press one of the direct call station keys.
or
Press **AUTO**.
Then enter the 2-digit number (00 through 99).

Example: The direct call station key 1 is pressed.

```
ENTER PHONE NO.<S01>
=
```

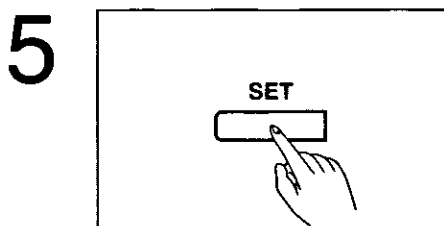


Press **SECRET**.
Then enter the phone number.
Then press **SECRET** again.

Example: The phone number is 1234567.

```
ENTER PHONE NO.<S01>
=[1234567]
```

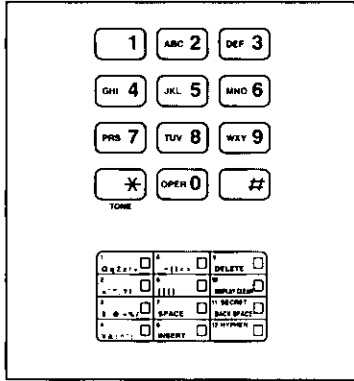
- “[” and “]” on the display respectively represents the start position and the ending position of the secret phone number.
- Pressing the **SECRET** key once counts as 2 digits.
- To correct an error while programming, press the **CLEAR** button, then make the correction.



Press **SET** to store the program in memory.

```
ENTER NAME
=
```

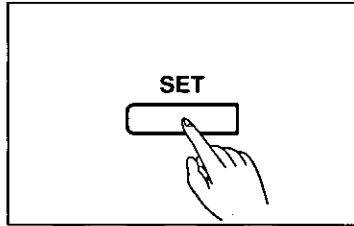

6



Enter the station name by using the dial keypad and the direct call station keys as character keys, and the cursor keys (◀ or ▶).

—For further details on character keys, see page 43.

7

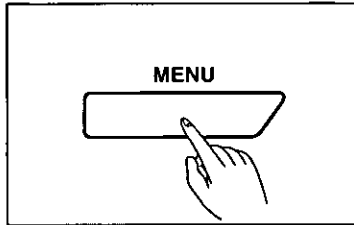


Press **SET** to store the program in memory.

SELECT AUTO OR
DIRECT CALL KEY

—To program other phone numbers, repeat steps 3 to 7.

8



Press **MENU** to end the operation.

NOTE:

- To cancel the programming halfway, press the MENU button.

Printing a list of stored phone numbers

The unit can print a list of the numbers programmed for one-touch dialing and speed dialing. Use this feature to confirm that you have correctly stored phone numbers.

Sample of the telephone number list:

```
***** TELEPHONE NUMBER LIST *****
<< STATION KEY LIST >>
-----
PHONE NUMBER      NAME      PHONE NUMBER      NAME
01 T092-123-4567  Panasonic A  07 R999-1234
02 T03-555-1234   Panasonic B  08 T[      ]
03 T012-999-0077  Panasonic C  09
04 T03P4567       10
05 T907-6543      11
06                12

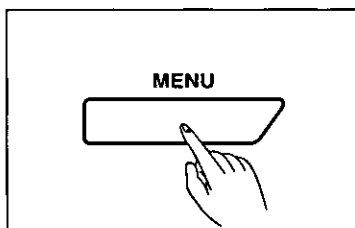
<< AUTO KEY LIST >>
-----
PHONE NUMBER      NAME      PHONE NUMBER      NAME
00 T111-2233      50 T222-3344      Panasonic D
01 R765-4321      51 T9P092-555-6677  Panasonic E
02 T345F6789      52
03 T092[      ]  53
04                54
05                55
06                56
07                57
08                58
09                59
10                60
11                61
12                62
13                63
14                64
15                65
16                66
17                67
18                68
19                69
20                70
                71
```

Codes in each phone number:

- T: The telephone number has been entered in the tone dialing mode.
- R: The telephone number has been entered in the pulse (rotary) dialing mode.
- 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.)

To print the telephone number list, proceed as follows.

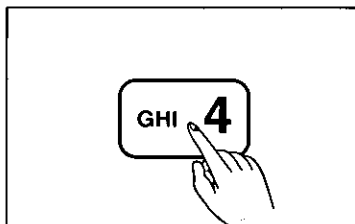
1



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

PROGRAM[1.DATE 2.TEL
3.SYSTEM 4.REPORT]

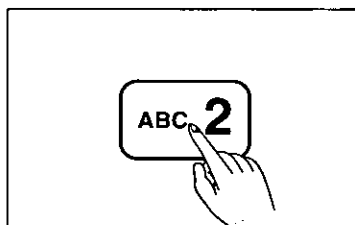
2



Press 4.

SELECT NO. [1.SYSTEM
2.TEL NO. 3.JOURNAL]

3

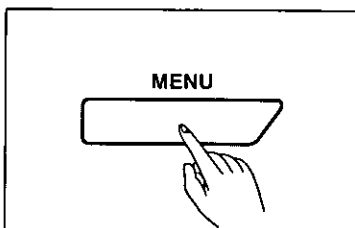


Press 2.

The unit will start printing.

PRINTING PHONE LIST

4

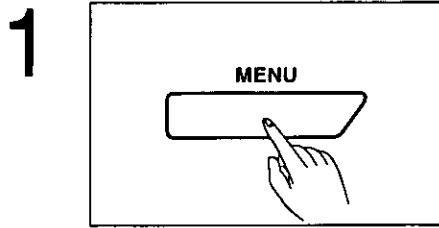


Press **MENU** to end the operation.

NOTE:

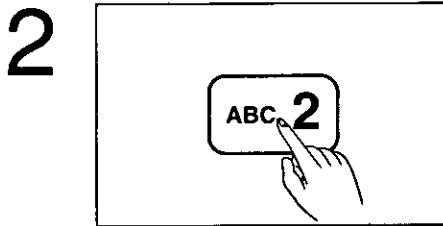
- To stop printing halfway, press the STOP (⏏) button until a beep is heard.

Erasing a phone number stored in memory



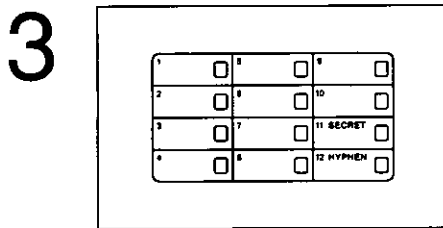
Press **MENU** until the following is shown.

PROGRAM[1.DATE 2.TEL
3.SYSTEM 4.REPORT]



Press **2**.

SELECT AUTO OR
DIRECT CALL KEY

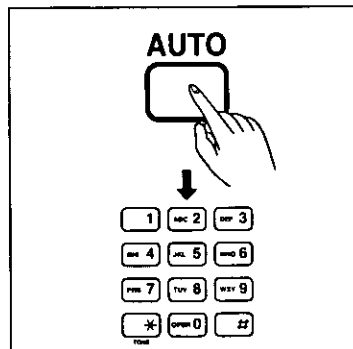


For one-touch dialing:
Press the direct call station key located for the phone number you wish to erase.

The display will show the stored phone number.

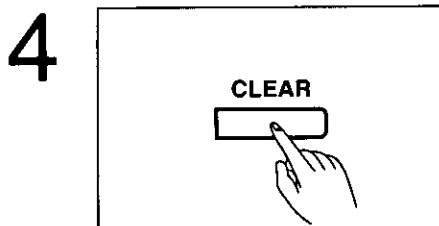
or

or



For speed dialing:
Press **AUTO**.
Then enter the 2-digit station number located for the phone number you wish to erase.

The display will show the stored phone number.

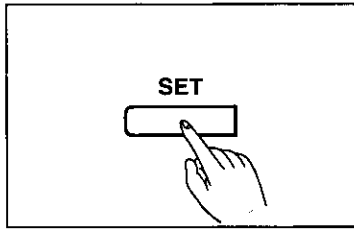


Press **CLEAR**.

The phone number will be cleared.

ENTER PHONE NO. <XXX>
=

5

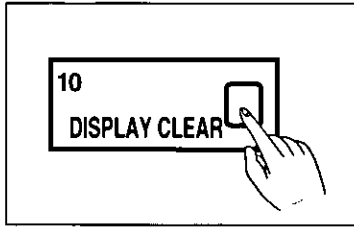


Press **SET**.

Now the phone number has been erased.
The display will show the stored station name.

ENTER NAME
 =XXXXXX

6

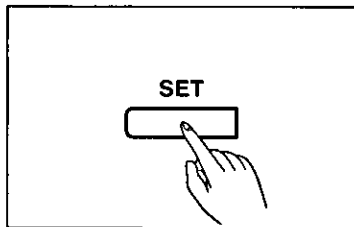


Press **DISPLAY CLEAR** (direct call station "10").

The station name will be cleared.

ENTER NAME
 =

7



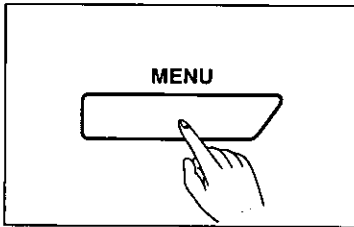
Press **SET**.

Now the station name has been erased.

SELECT AUTO OR
 DIRECT CALL KEY

—To erase other phone numbers, repeat steps 3 to 7.

8

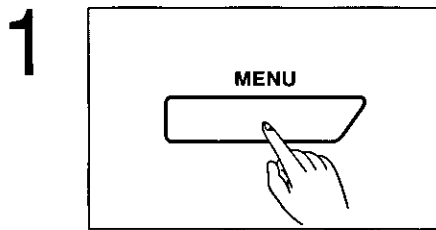


Press **MENU** to end the operation.

To change the individual transmission report setting, proceed as follows:

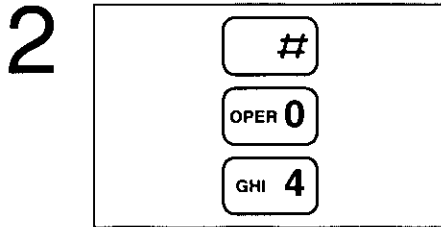
HELPFUL HINT:

If you lose your instructions while programming, press the HELP button. The unit will print information on how to program.



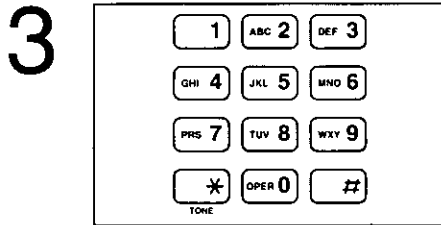
Press **MENU** until the following is shown.

```
PROGRAM[1.DATE 2.TEL  
3.SYSTEM 4.REPORT]
```



Press #, then press **04**.

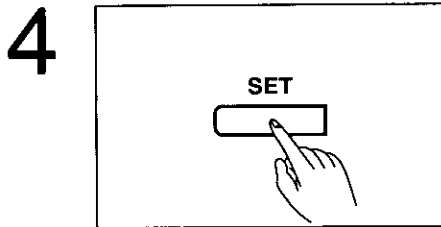
```
XMT REPORT=ERROR  
[1.ERROR 2.ON 3.OFF]
```



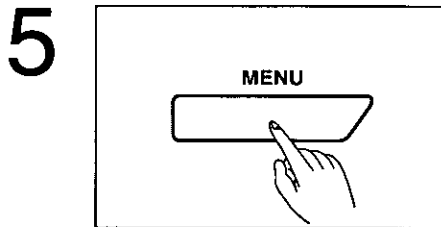
Press the number of the mode you desire.

Setting selections:

- 1: ERROR
- 2: ON
- 3: OFF



Press **SET** to store your selection in memory.



Press **MENU** to end the operation.

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

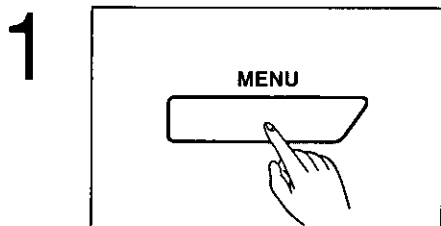
This feature determines the number of rings before the unit answers a call in the ANS/FAX mode. You can choose among the following:

- 0: Toll saver (see page 121)
- 1: The unit will answer after one ring (pre-selected setting).
- 2: The unit will answer after two rings.
- 3: The unit will answer after three rings.
- 4: The unit will answer after four rings.
- *: The unit will answer without ringing. (Ringer off)

HELPFUL HINTS:

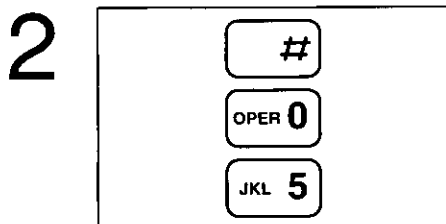
- If you wish to have the opportunity to answer a call before the unit does, increase the number of rings.
- If you find there is difficulty in fax receiving from machines that have an automatic transmission feature, decrease the number of rings.
- To confirm from the remote phone whether a new incoming message has been recorded or not (see page 65), select the toll saver position. This will save you the toll charge for the call.
- If you lose your instructions while programming, press the HELP button. The unit will print information on how to program.

To change the number of rings, proceed as follows:



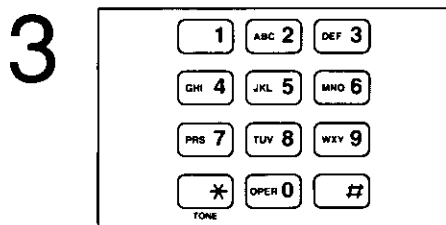
Press **MENU** until the following is shown.

```
PROGRAM[1.DATE 2.TEL
3.SYSTEM 4.REPORT]
```



Press #, then press **05**.

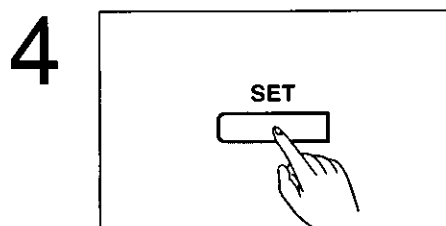
```
ANS/FAX RING
COUNT=1 [0-4,*]
```



Press the number of the selection you desire.

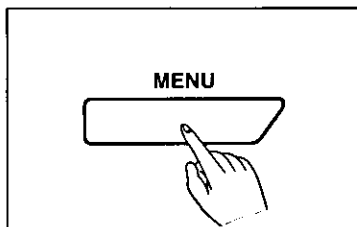
Setting selections:

- 0: Toll saver
- 1: one ring
- 2: two rings
- 3: three rings
- 4: four rings
- *: Ringer off



Press **SET** to store your selection in memory.

5



Press **MENU** to end the operation.

Toll Saver:

When you call the unit from a remote location, the number of rings tells you if there are any new voice-messages or not.

If the unit answers on the first ring, there is at least one new message recorded.

If the unit answers on the third ring, there are no new messages recorded.

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.

NOTE:

- If you set the RINGER OFF through the ANS/FAX RING COUNT function, the reserve phone connected to the unit will ring once when receiving a call.

6

Selecting the number of rings to answer in the FAX and TEL/FAX mode

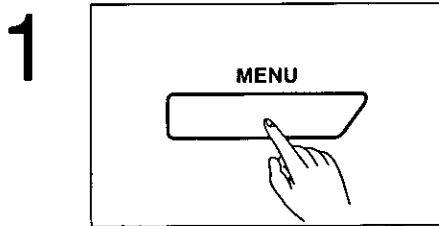
This feature determines the number of rings before the unit answers a call in the FAX and TEL/FAX mode. You can change the number of rings among the followings:

- 1: One ring (pre-selected setting)
- 2: Two rings
- 3: Three rings
- 4: Four rings

HELPFUL HINTS:

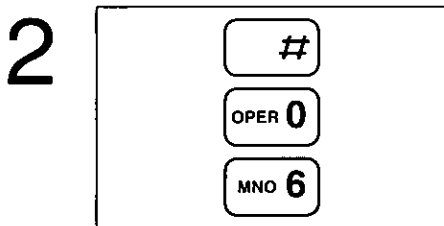
- If you wish to have the opportunity to answer a call before the unit does, increase the number of rings.
- If you find there is difficulty in fax receiving from machines that have an automatic transmission feature, decrease the number of rings.
- If you lose your instructions while programming, press the HELP button. The unit will print information on how to program.

To change the number of rings, proceed as follows:



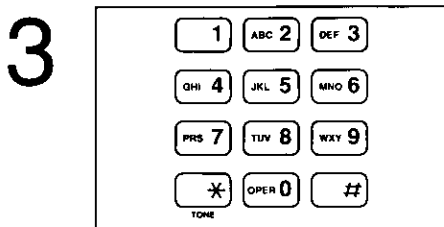
Press **MENU** until the following is shown.

```
PROGRAM[1.DATE 2.TEL  
3.SYSTEM 4.REPORT]
```



Press #, then press **06**.

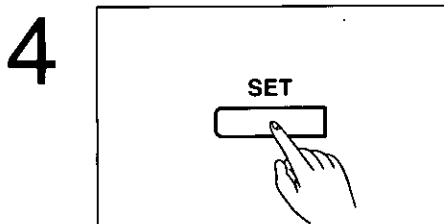
```
FAX & TEL/FAX RING  
COUNT=1 [1-4]
```



Press the number of the selection you desire.

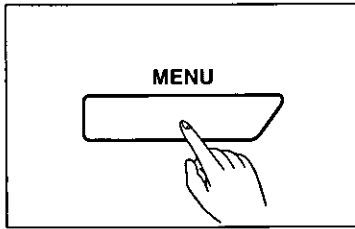
Setting selections:

- 1: one ring
- 2: two rings
- 3: three rings
- 4: four rings



Press **SET** to store your selection in memory.

5



Press **MENU** to end the operation.

6

Selecting the caller's recording time

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

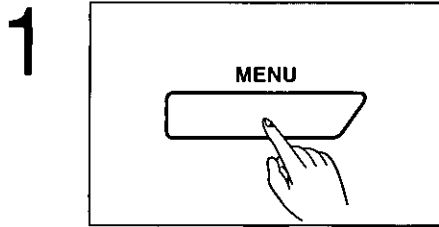
VOX (unlimited): The unit records an incoming message as long as a caller speaks (pre-selected setting).

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

HELPFUL HINT:

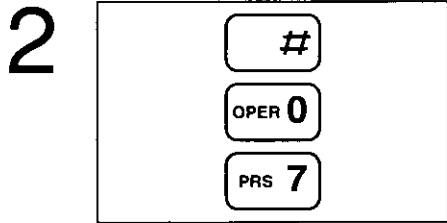
- If you lose your instructions while programming, press the HELP button. The unit will print information on how to program.

To change the recording time, proceed as follows:



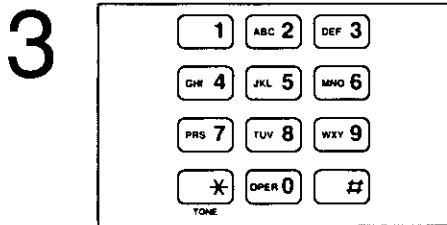
Press **MENU** until the following is shown.

PROGRAM[1.DATE 2.TEL
3.SYSTEM 4.REPORT]



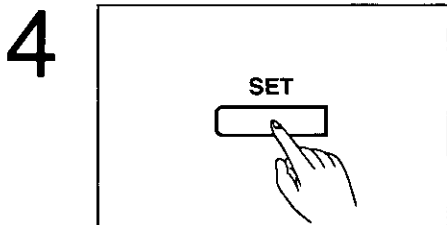
Press #, then press **07**.

RECORD TIME=VOX
[1.VOX 2.1MIN]

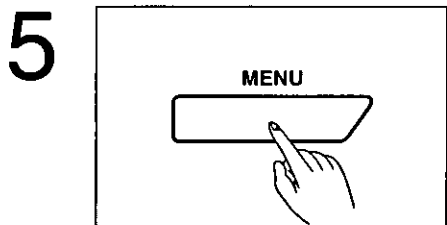


Press the number of the selection you desire.

Setting selections:
1: VOX (unlimited)
2: 1 MIN (1 minute)



Press **SET** to store your selection in memory.



Press **MENU** to end the operation.

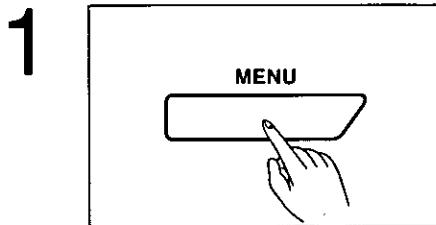
Printing the basic feature list

By printing out this list, you can confirm the current settings of the basic features.

Sample of the basic feature list:

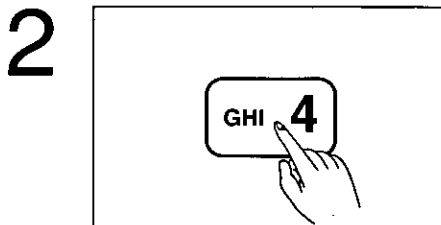
```
***** < BASIC FEATURE LIST > *****
*
*      #01 SET DATE                = Jan. 01 1994 12:00AM
*      #02 YOUR LOGO (I.E. COMPANY OR INDIVIDUAL NAME)
*      = Panasonic ANS/FAX
*      #03 YOUR TELEPHONE NUMBER   =
*      #04 PRINT TRANSMISSION REPORT = ERROR    [1=ERROR 2=ON 3=OFF]
*      #05 ANS/FAX RING COUNT      = 1          [1...4 0=TOLL SAVER *=RINGER OFF]
*      #06 FAX & TEL/FAX RING COUNT = 1          [1...4]
*      #07 RECORDING TIME FOR ANS   = VOX        [1=VOX 2=1MIN]
*      #08 REMOTE ANS ID            = 111
*      #99 PRINT ADVANCED FEATURE LIST
*
*****
```

To print the list, proceed as follows:



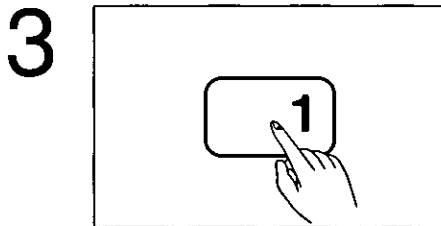
Press **MENU** until the following is shown.

```
PROGRAM[1.DATE 2.TEL
3.SYSTEM 4.REPORT]
```



Press 4.

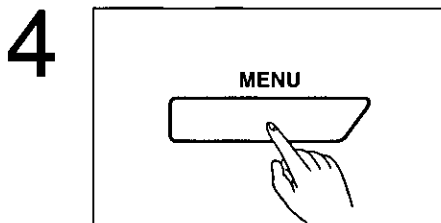
```
SELECT NO.[1.SYSTEM
2.TEL NO. 3.JOURNAL]
```



Press 1.

The unit will start printing.

```
PRINTING SYSTEM LIST
```



After printing, press **MENU** to end the operation.

Setting the logo print position

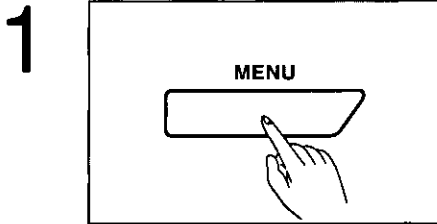
Your logo, your telephone number, date, time and page number will be printed on the transmitted document from your unit in the following manner.

OUT: Outside of the transmitted document's paper size (pre-selected setting).

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

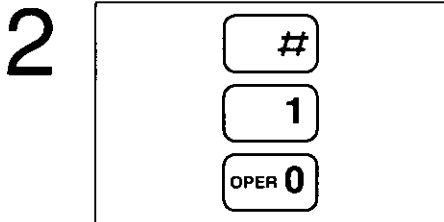
OFF: Not printed.

To change the logo position, proceed as follows:



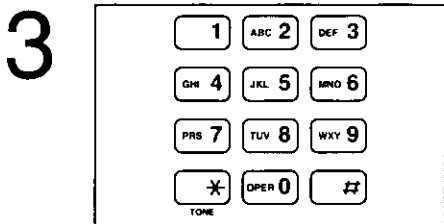
Press **MENU** until the following is shown.

```
PROGRAM[1.DATE 2.TEL  
3.SYSTEM 4.REPORT]
```



Press #, then press **10**.

```
LOGO POSITION=OUT  
[1.OUT 2.IN 3.OFF]
```



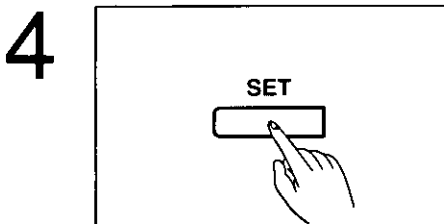
Press the number of the selection you desire.

Setting selections:

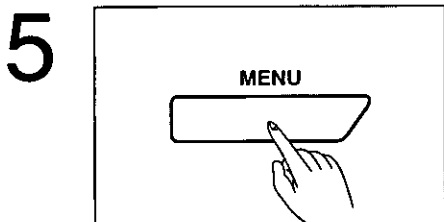
1: OUT (Outside)

2: IN (Inside)

3: OFF (Not printed)



Press **SET** to store your selection in memory.



Press **MENU** to end the operation.

Setting the journal auto printing

You can obtain a record of the last 35 transactions (transmissions and receptions) automatically or manually.

This report is useful for keeping telephone records or for verifying telephone charges.

AUTO: The journal report will automatically print after 35 transactions. After that, the journal report data will clear and the unit will begin to store data of the journal report into memory (pre-selected setting).

MANUAL: The journal report will not print automatically. But the journal report data will be stored in memory. When memory is full and a new transaction takes place, the earliest data will be erased and the newest data will be stored.

Regardless of above setting, the journal report is available whenever you request. See page 129.

Sample of the journal report:

```
***** JOURNAL *****
*
*                               Aug. 10 1994 03:05PM
*
* NO.   OTHER FACSIMILE   START TIME   USAGE TIME   MODE   PAGES   RESULT   *CODE
*-----
* 01  1234567             Aug. 08 11:28AM  01'20     TX     02     OK
* 02  9998765             Aug. 08 11:52AM  00'56     TX     01     OK
* 03  <<<  G3  >>>         Aug. 08 11:58AM  00'32     RX     01     OK
* 04  ABC Company         Aug. 08 12:19PM  01'48     TX     03     OK
* 05  +987 1234           Aug. 08 12:35PM  01'41     RX     03     OK
* 06  <S01>               Aug. 08  1:14PM  02'40     TX     05     OK
* 07  7776543             Aug. 08  1:27PM  01'03     TX     01     OK
* 08  4445566             Aug. 08  2:46PM  01'18     TX     02     OK
* 09  <A27>               Aug. 08  3:17PM  00'35     TX     00     PRESSED THE STOP KEY
* 10  <<<  G3  >>>         Aug. 08  3:19PM  01'21     RX     03     OK
* 11  661234              Aug. 08  3:38PM  00'35     TX     00     COMMUNICATION ERROR (43)
* 12  <S06>               Aug. 08  4:20PM  01'02     TX     01     OK
* 13  +123 4567           Aug. 08  4:28PM  02'18     TX     04     OK
* 14  1234567             Aug. 08  4:35PM  01'35     TX     02     OK
*
*                               Aug. 10 10:32AM
* 34  <<<  G3  >>>         Aug. 10 11:36AM  03'15     TX     01     OK
* 35  5556677             Aug. 10  1:26PM  01'32     TX     01     OK
*
*
* *CODE = FOR SERVICE CENTER USE ONLY
*****
```

① Communication number (up to 35)

② Dialed number or other party's name

③ Communication start time

④ Length of communication:
(Maximum 99' 59")

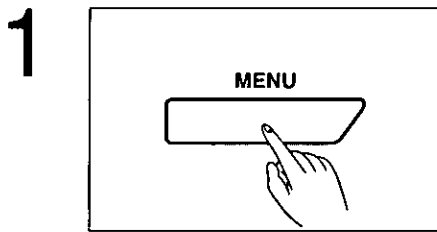
⑤ Transaction mode:
TX...Transmission
RX...Reception

⑥ Number of pages received or transmitted
successfully (Maximum 99 pages)

⑦ Communication result
(For the explanation of communication
results, see page 143.)

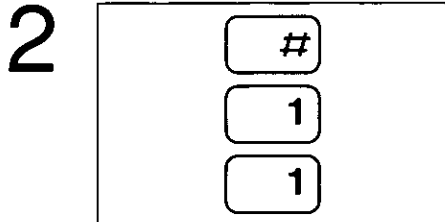
⑧ Error code (for the service personnel only)

To change the setting of this feature, proceed as follows.



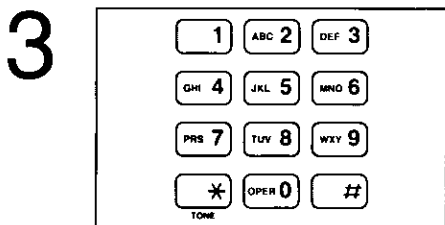
Press **MENU** until the following is shown.

PROGRAM[1.DATE 2.TEL
3.SYSTEM 4.REPORT]



Press #, then press 11.

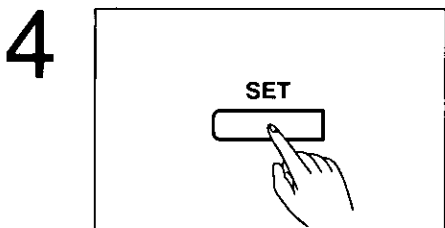
JOURNAL=AUTO
[1.AUTO 2.MANUAL]



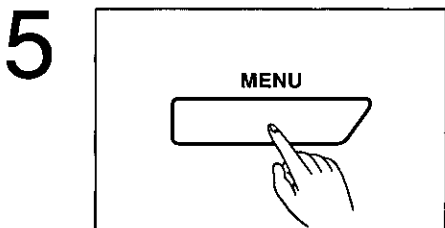
Press the number of the selection you desire.

Setting selections:

- 1: AUTO (Prints the journal report automatically.)
- 2: MANUAL



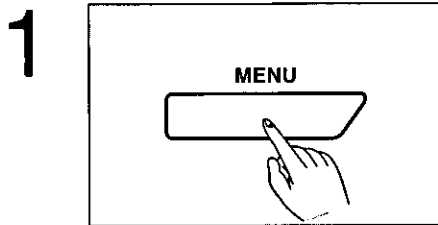
Press **SET** to store your selection in memory.



Press **MENU** to end the operation.

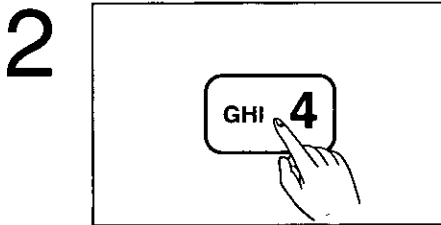
Printing the journal report manually

Upon request, a report of the current journal can be printed. The journal report data will not clear even after printing.



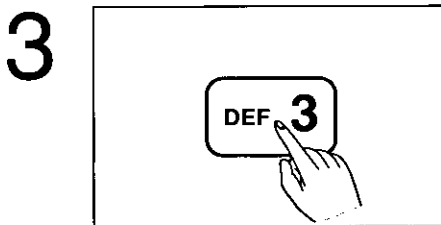
Press **MENU** until the following is shown.

```
PROGRAM[1.DATE 2.TEL  
3.SYSTEM 4.REPORT]
```



Press **4**.

```
SELECT NO. [1.SYSTEM  
2.TEL NO. 3.JOURNAL]
```

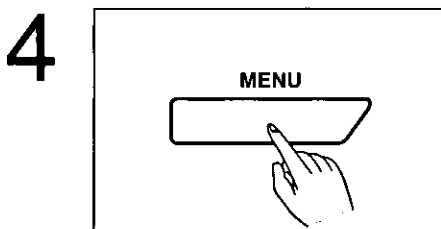


Press **3** to print the journal report.

The unit will start printing.

```
PRINTING JOURNAL
```

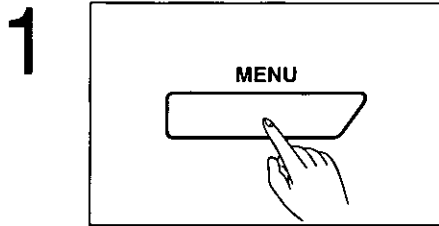
—If there have been no transactions, no journal report will be printed.



After printing, press **MENU** to end the operation.

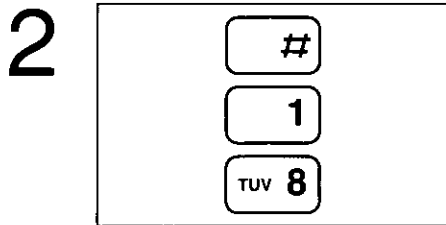
Setting the day/night mode

You may wish to use the unit as a telephone and facsimile (*TEL/FAX* mode) during the business hours and switch to the answering device (*ANS/FAX* mode) during off hours. With this feature on, the unit will automatically switch the receiving mode at a preprogrammed time without the operator's assistance.



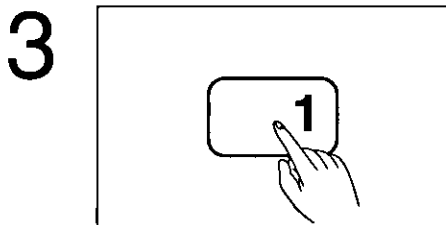
Press **MENU** until the following is shown.

```
PROGRAM[1.DATE 2.TEL
3.SYSTEM 4.REPORT]
```



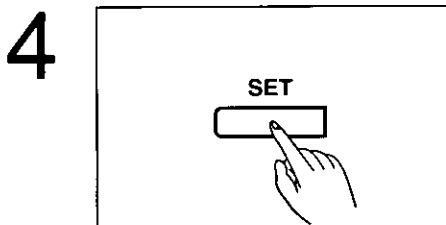
Press #, then press **18**.

```
DAY/NIGHT
=OFF [1.ON 2.OFF]
```



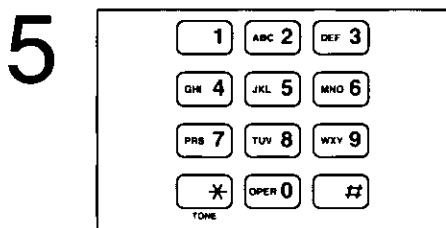
Press **1** to turn on this feature.

```
DAY/NIGHT
=ON [1.ON 2.OFF]
```



Press **SET**.

```
SET DAY MODE TIME
12:00AM [*=AM #=PM]
```

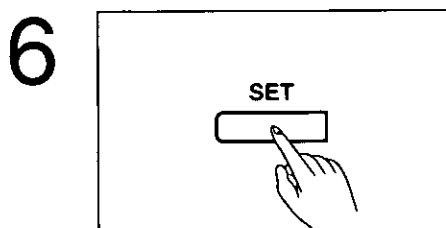


Enter the time at which the day mode (*TEL/FAX* mode) starts.

Example: The *TEL/FAX* mode starts at 9:00AM.
Press **0 9 0 0**, then press * to select AM.

```
SET DAY MODE TIME
09:00AM [*=AM #=PM]
```

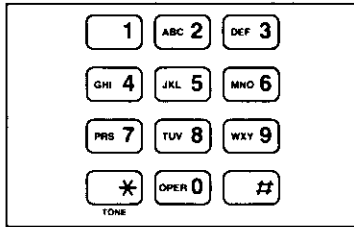
—To select PM mode, press #.



Press **SET**.

```
SET NIGHT MODE TIME
12:00AM [*=AM #=PM]
```

7



Enter the time at which the unit switches to the night mode (ANS/FAX mode).

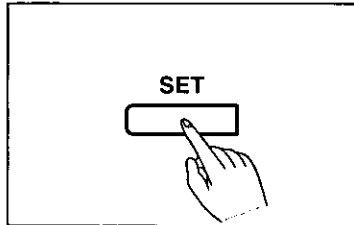
Example: The ANS/FAX mode starts at 5:00PM.
Press **0 5 0 0**, then press # to select PM.

SET NIGHT MODE TIME
05:00PM [*=AM #=PM]

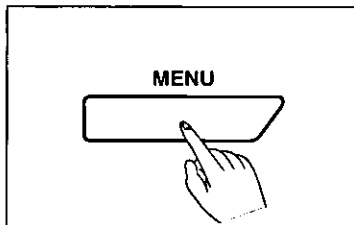
—To select AM mode, press *.

Press **SET** to store the program in memory.

8



9



Press **MENU** to end the operation.

NOTE:

- If you select another receiving mode manually while this feature is on, the unit keeps the receiving mode that you select until either day or night mode starts.

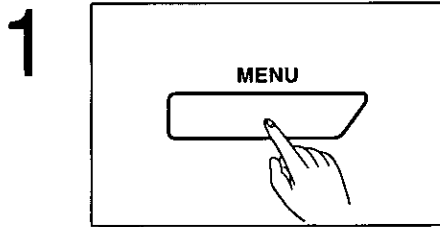
Setting the silent fax recognition ring

In the *TEL/FAX* mode, the unit will answer a call without ringing. When an automatic fax transmission call is received, the unit will activate the fax function to receive the document. When a voice call is received, the unit will ring 3 to 8 times depending on the setting of this feature before it switches automatically to fax (we call this "silent fax recognition ring"). While ringing, the unit will emit the different ring back tone to the calling party.

IMPORTANT:

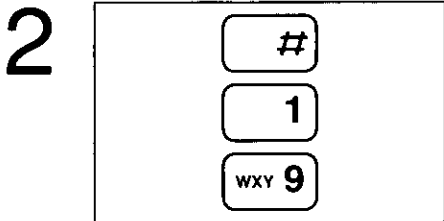
- The feature is effective only in the *TEL/FAX* mode.
- Telephone fees are charged to the calling party from the first ring.

To change the number of rings, proceed as follows:



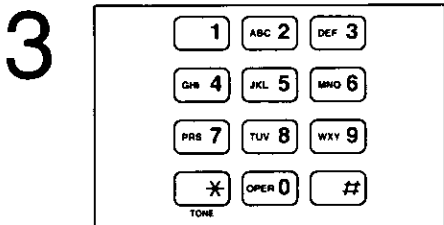
Press **MENU** until the following is shown.

```
PROGRAM[1.DATE 2.TEL  
3.SYSTEM 4.REPORT]
```

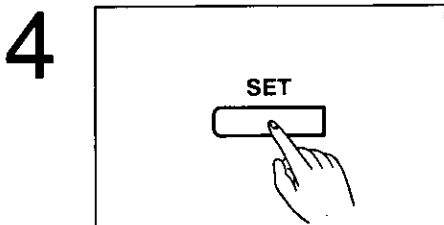


Press #, then press **19**.

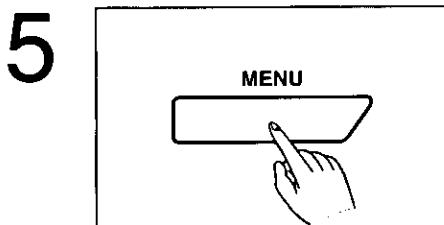
```
SILENT FAX RECO.  
RING=3 [3-8]
```



Enter the desired number (choose from 3 to 8).



Press **SET** to store your selection in memory.



Press **MENU** to end the operation.

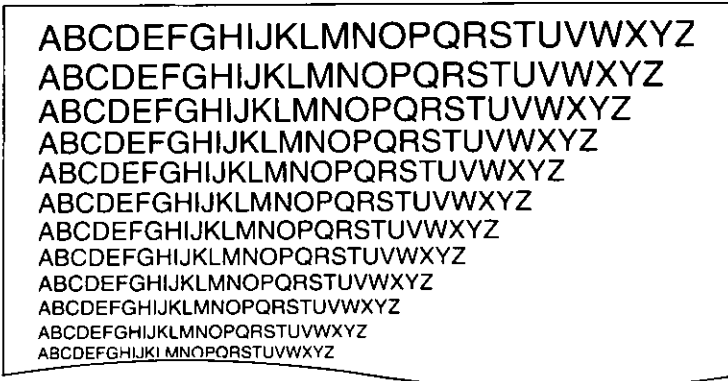
Setting the paper save function

When this feature is on, the unit will reduce the data sent by the other party to a half in length and print out. This feature also works in making a copy.

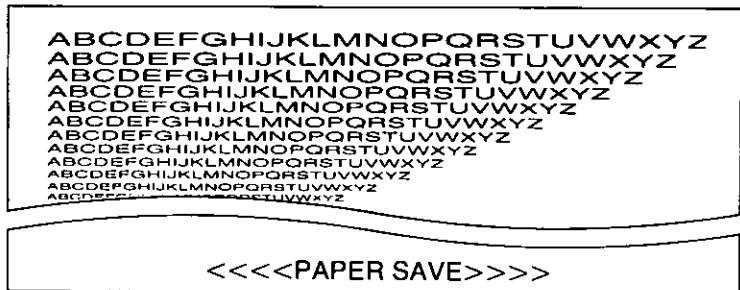
IMPORTANT:

- The feature does not work in the FINE, SUPER FINE or HALF TONE resolution.

Original document

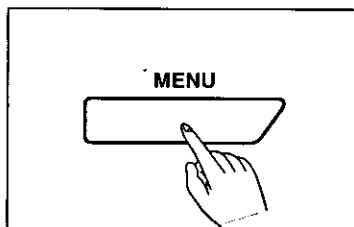


Received or copied document



To set this feature, proceed as follows:

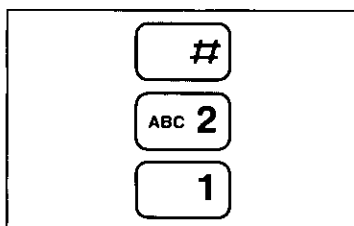
1



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

```
PROGRAM[1.DATE 2.TEL  
3.SYSTEM 4.REPORT]
```

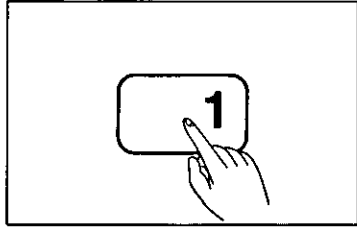
2



Press #, then press 21.

```
PAPER SAVE  
=OFF [1.ON 2.OFF]
```

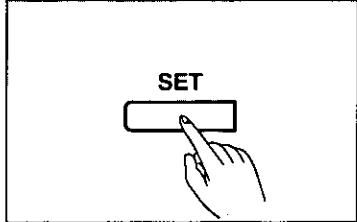
3



Press **1** to activate this function.

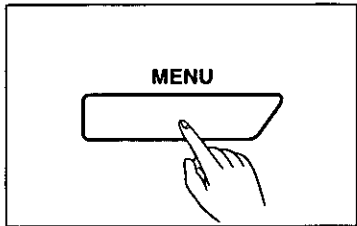
PAPER SAVE
=ON [1.ON 2.OFF]

4



Press **SET** to store your selection in memory.

5




Press **MENU** to end the operation.

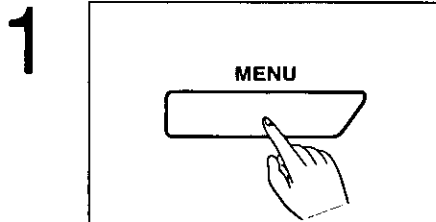
WED AUG10 3:30PM 00
PAPER SAVE ON

Setting the message alert

When the feature is on, the unit will let you know with an alert if a caller's message has been recorded.

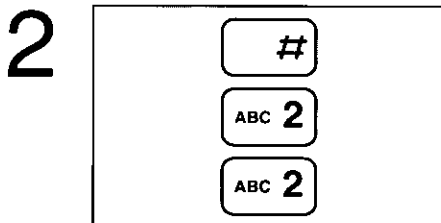
When a new message is recorded in the *ANS/FAX* mode, a slow beep will sound and the ANS () indicator will blink. When you hear the beep sound, play back the message(s), the beep sound will stop and the indicator will stop blinking.

To set this feature, proceed as follows:



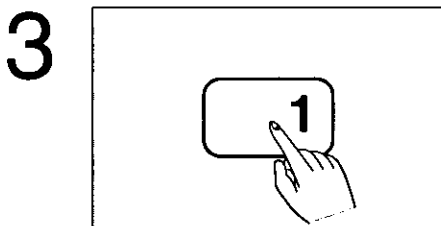
Press **MENU** until the following is shown.

PROGRAM[1.DATE 2.TEL
3.SYSTEM 4.REPORT]



Press #, then press **22**.

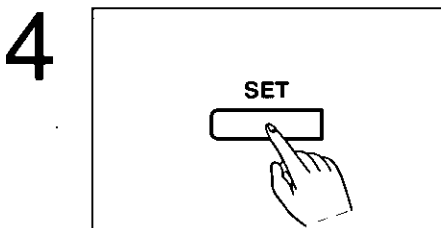
MESSAGE ALERT
=OFF [1.ON 2.OFF]



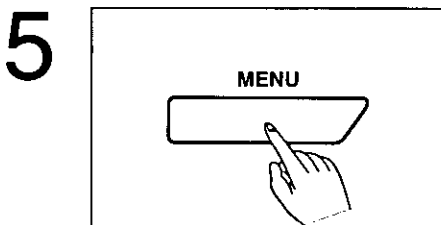
Press **1** to activate this feature.

MESSAGE ALERT
=ON [1.ON 2.OFF]

—Press **2** to turn off this feature.



Press **SET** to store your selection in memory.



Press **MENU** to end the operation.

NOTE:

- Only when a new message is just recorded, beep tones will sound from the cordless handset if it is placed away from the main unit.

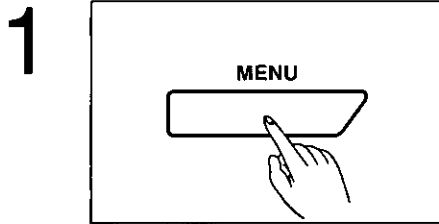
Setting the call screening

In the *ANS/FAX* mode, you may wish to monitor the incoming voice call through the receiver of the cordless handset while the call is being recorded.

ON: Allows for monitoring incoming messages (pre-selected setting).

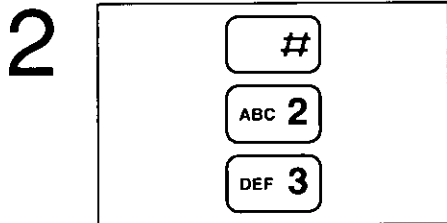
OFF: Turns off the feature.

To change the setting, proceed as follows:



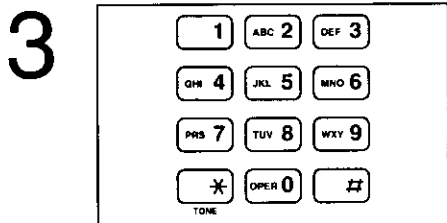
Press **MENU** until the following is shown.

PROGRAM [1.DATE 2.TEL
3.SYSTEM 4.REPORT]



Press #, then press **23**.

CALL SCREENING
=ON [1.ON 2.OFF]

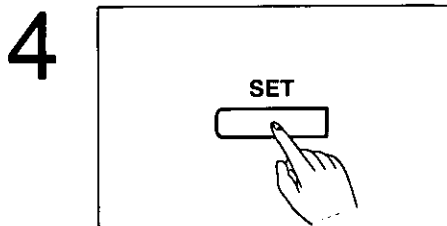


Enter the desired number.

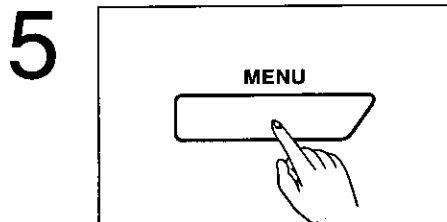
Setting selections:

1: ON (Activates this feature)

2: OFF (Deactivates this feature)



Press **SET** to store your selection in memory.



Press **MENU** to end the operation.

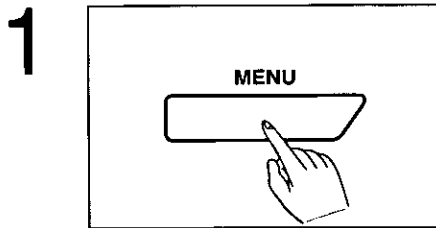
Key protection

This feature determines whether the dial keypad and other keys on the main unit are available or not when the cordless handset is being used.

ON: All the keys except the SP-PHONE button on the main unit will not be available while the cordless handset is in use.

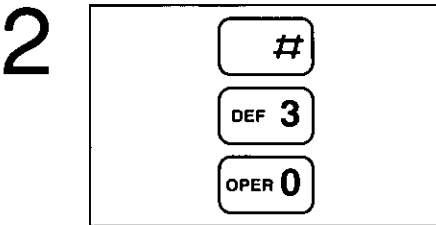
OFF: All the keys on the main unit will be available. (pre-selected setting)

When the cordless handset is used away from the main unit, set to "ON" and the interference from the main unit or the incorrect working will be prevented.



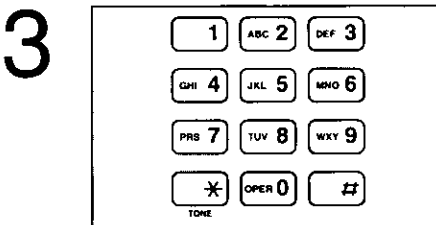
Press **MENU** until the following is shown.

```
PROGRAM[1.DATE 2.TEL
3.SYSTEM 4.REPORT]
```



Press #, then press **30**.

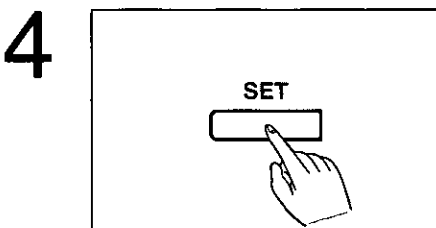
```
KEY PROTECTION
=OFF [1.ON 2.OFF]
```



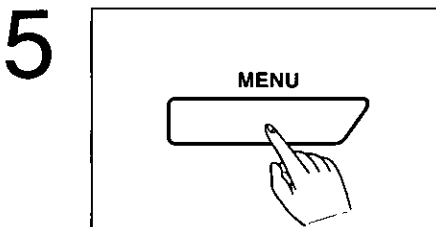
Enter the desired number.

Setting selections:

- 1: ON (Activates this feature)
- 2: OFF (Deactivates this feature)



Press **SET** to store your selection in memory.



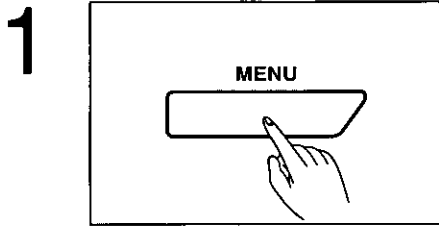
Press **MENU** to end the operation.

NOTE:

- When the cordless handset is being used, the main unit user can join the conversation by pressing the SP-PHONE button regardless the setting of this feature.

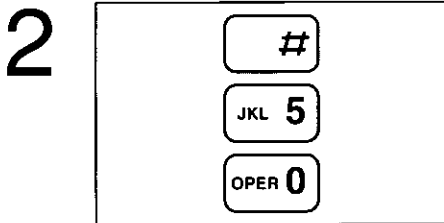
Resetting the advanced features

Use this operation to return the advanced features of #10 through #30 (see page 37) to their initial settings.



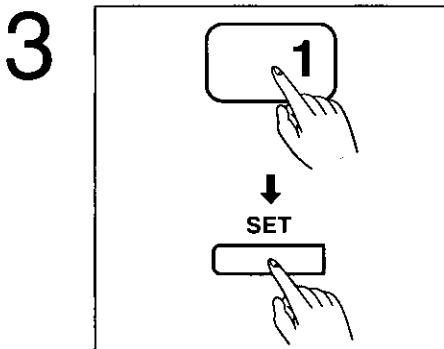
Press **MENU** until the following is shown.

PROGRAM[1.DATE 2.TEL
3.SYSTEM 4.REPORT]



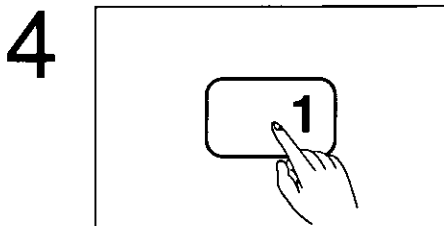
Press #, then press **50**.

SET DEFAULT
=NO [1.YES 2.NO]



Press **1**, then press **SET**.

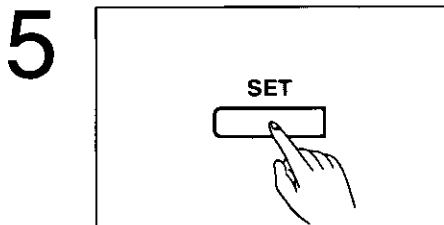
PARAMETER RESET OK?
=NO [1.YES 2.NO]



Press **1** for confirmation.

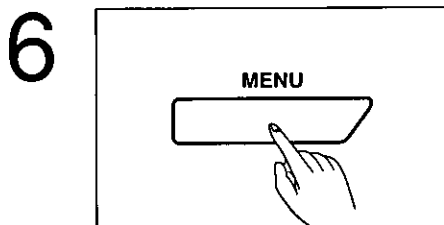
PARAMETER RESET OK?
=YES [1.YES 2.NO]

—To cancel resetting, press 2.



Press **SET**.

DEFAULT SETTING
COMPLETED!



Press **MENU** to end the operation.

Printing the advanced feature list

By printing out the list, you can confirm the current settings of the advanced features.

Sample of the advanced feature list:

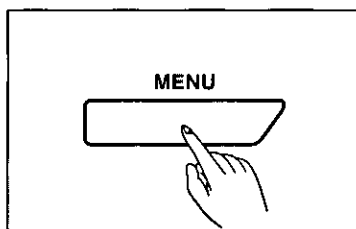
```

***** < ADVANCED FEATURE LIST > *****
*
*      #10 LOGD POSITION           = OUT      [1=OUT 2=IN 3=OFF]
*      #11 JOURNAL AUTO PRINT    = AUTO     [1=AUTO 2=MANUAL]
*      #12 NETWORK PASSCODE     = 0000
*      #13 TX PASSCODE CHECK     = OFF      [1=ON 2=OFF]
*      #14 RX PASSCODE CHECK     = OFF      [1=ON 2=OFF]
*      #18 DAY/NIGHT MODE       = OFF      [1=ON 2=OFF]
*              DAY MODE TIME    = 12:00 AM
*              NIGHT MODE TIME  = 12:00 AM
*      #19 SILENT FAX RECOGNITION RING = 3      (3...8)
*      #20 REMOTE FAX ACTIVATION CODE = **
*      #21 PAPER SAVE FUNCTION   = OFF      [1=ON 2=OFF]
*      #22 MESSAGE ALERT        = OFF      [1=ON 2=OFF]
*      #23 CALL SCREENING       = ON       [1=ON 2=OFF]
*      #24 EXTENSION COPY
*      #28 PRINTER TEST
*      #30 KEY PROTECTION        = OFF      [1=ON 2=OFF]
*      #50 SET DEFAULT (#10 TO #30)
*      #9000* (SERVICE DATA SET UP)
*
*      <DELAYED_XMT>
*
*      OFF
*
*

```

To print the list, proceed as follows:

1



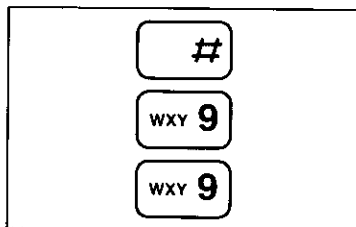
Press **MENU** until the following is shown.

```

PROGRAM[1.DATE 2.TEL
3.SYSTEM 4.REPORT]

```

2



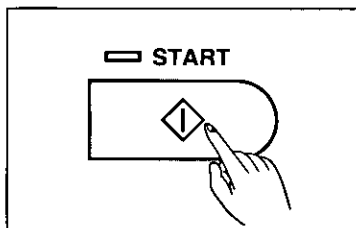
Press #, then press **99**.

```

ADVANCED SETTINGS
PRESS START TO PRINT

```

3



Press **START**.

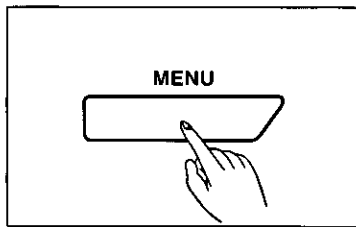
```

PRINTING
ADVANCED LIST

```

The unit will start printing.

4



Press **MENU** to end the operation.

6

Chapter 7

Troubleshooting and Maintenance

Troubleshooting

Error messages

DISPLAY MESSAGES	CAUSE & REMEDY
SAT JAN 1 3:00PM 00 CHECK CASSETTE TAPE	<ul style="list-style-type: none">•The tape is broken or not installed. Install a new one (see page 23).•Tape is full. Reset it or use the other side.
SAT JAN 1 3:00PM 00 CHECK COVER	<ul style="list-style-type: none">•The cover of the recording paper unit is open. Close it.
SAT JAN 1 3:00PM 00 CHECK DOCUMENT	<ul style="list-style-type: none">•The document has not been fed into the unit properly. If the paper rollers inside the document feeder unit are dirty, clean them and then reinsert the document (see page 154).
SAT JAN 1 3:00PM 00 CHECK MEMORY	<ul style="list-style-type: none">•Memory (phone numbers, parameters, etc.) has been erased. Re-program them.
SAT JAN 1 3:00PM 00 OUT OF PAPER	<ul style="list-style-type: none">•The unit runs out of recording paper. Replace it (see page 24).
SAT JAN 1 3:00PM 00 PAPER JAMMED	<ul style="list-style-type: none">•The recording paper is jammed. Reinstall it (see page 148).•Make sure that there is no slack in the recording paper.
SAT JAN 1 3:00PM 00 RECORD GREETING	<ul style="list-style-type: none">•The greeting message is not recorded. Record your greeting message (see page 32).
SAT JAN 1 3:00PM 00 REMOVE DOCUMENT	<ul style="list-style-type: none">•A document is jammed. Open the cover of the document feeder unit and remove the document that causes a problem (see page 150).•Attempted to transmit a document longer than 600 mm (23⁵/₈"). Press the STOP (⊘) button and remove it.
SAT JAN 1 3:00PM 00 TRANSMIT ERROR	<ul style="list-style-type: none">•Transmission error. Try again.•Your network passcode does not correspond to that of the other party. Check the network passcode (see page 94).
UNIT OVERHEATED, PLEASE WAIT	<ul style="list-style-type: none">•The unit is too hot. Leave it as it is and allow it to cool down.

Explanation of communication result on the report

When trouble occurs, the following messages may be printed on the transmission report (see page 118) and the journal report (see page 127).

PRINTED MESSAGE	MEANING
COMMUNICATION ERROR:	—Transmission or reception error.
DOCUMENT JAMMED:	—A document was jammed. Remove the document causing the problem (see page 150).
NO DOCUMENT:	—The document was not fed into the unit properly.
NO RESPONSE:	—The receiving unit is busy or out of recording paper.
PAPER JAMMED:	—The recording paper was jammed.
PAPER OUT:	—The unit is out of recording paper.
PASSCODE FAILED:	—Passcode communication failed. Check the other party and set the same passcode as the other unit (see page 94).
PRESSED THE STOP KEY:	—The fax communication was interrupted because the STOP (Ⓢ) button or the FAX button on the cordless handset was pressed.
PRINTER OVERHEATED:	—Printing head was overheated.
THE COVER WAS OPENED:	—The front lid or back lid was opened.
OK:	—Fax communication was successful.

General corrective measures

Main unit

GENERAL

PROBLEM	CAUSE & REMEDY
I cannot transmit or receive a document or cannot talk.	—The line cord is connected incorrectly or not connected. Confirm the connections (see page 22).
The unit does not ring.	—The RINGER volume selector is set to the OFF position. Set the selector to the HIGH or LOW position (see page 27). —ANS/FAX ring count is set to the ringer off position (see page 120).
The unit does not operate properly.	—Turn the power switch off, then turn it on again.
The ALARM indicator light is on.	—The cover of the recording paper unit is open. Close it firmly.

FAX TRANSMISSION

PROBLEM	CAUSE & REMEDY
The ALARM indicator light flashes after transmission.	—A transmission error has occurred. Try again.
The ALARM indicator light is on during transmission.	—A document more than 600 mm (23 ⁵ / ₈ ") is being transmitted. Divide the document so that the length can be shorter than 600 mm (23 ⁵ / ₈ "). See page 46. —A document causes a jam. Remove it, then try again. See page 150. —The unit has been connected to a line that has special telephone services, such as call waiting. Connect the unit to a line that does not have such services.
The other party complains that letters on the 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 as your unit is hung off. Hang up and try again.
The other party complains that a dirty pattern or black lines appear on the received documents.	—The glass and rollers inside the document feeder unit are dirty. Clean them (see page 154).
The unit does not feed the document properly.	—The paper rollers inside the document feeder unit are dirty. Clean them (see page 154).

FAX TRANSMISSION (cont.)

PROBLEM	CAUSE & REMEDY
Problems when transmitting international facsimile.	—Use the overseas transmission mode (see page 51).

FAX RECEPTION

PROBLEM	CAUSE & REMEDY
The ALARM indicator light is on during receiving.	—The recording paper causes a jam. Remove it (see page 148).
Unable to receive documents.	—The recording paper is not installed. Install the recording paper (see pages 24 and 25).
Unable to receive documents automatically.	—The receive mode of the unit is set to the <i>TEL</i> mode. Operate the manual reception (see page 52) or set the receive mode to <i>ANS/FAX</i> , <i>TEL/FAX</i> or <i>FAX</i> mode (see pages 34 and 35). —Your greeting message may be too long. Shorten your greeting message (see page 32) or ask the other party to press "*" (ASTERISK) then start to transmit a document. —Set the number of rings to answer to "1" (see pages 120 and 121).
Recording image is faint and I cannot read it well.	—The sender transmitted a faint document. Request the sender to transmit a clearer copy of the document.
The START indicator flashes for about 40 seconds after the unit receives a call automatically, but nothing is recorded.	—The caller hangs up during or immediately after your greeting message plays. This may occur if the disconnected signal is not transmitted from the telephone company's central office.
Problems when receiving international facsimiles.	—Your greeting message may be too long. Shorten your greeting message to 10 seconds or less (see page 32). —The RX SPEED may need to be set to 4800 bps. Call your service center. For U.S.A. users, see page 171.
Received image is distorted.	—The thermal head is dirty. Clean it (see page 155).

ANSWERING DEVICE & SPEAKER-PHONE

PROBLEM	CAUSE & REMEDY
The Call Counter in the display shows "--".	<ul style="list-style-type: none">—There has been a power failure. Confirm whether voice-messages are recorded on the tape or not (see page 61).—The microcassette tape was not rewound when the unit was turned on. Rewind the tape (see page 62).
The unit has been set to the ANS/FAX mode, but no voice-messages have been recorded.	<ul style="list-style-type: none">—The tape is not installed properly or it is broken (cut, worn out or twisted). Install the tape properly or replace it with a new one (see page 23).
When the tape is played, the sound level is low or nothing can be heard.	<ul style="list-style-type: none">—The speaker volume is low. Raise the sound level using the VOLUME control.—The head in the cassette deck compartment is dirty. Clean it (see page 153).
I have played back all the recorded messages, and I want to record the next call after the last message.	<ul style="list-style-type: none">—Leave the unit as it is after hearing the messages.
I cannot operate the answering device using the main unit.	<ul style="list-style-type: none">—The cordless handset user is operating the answering device. After the IN USE indicator flash stops, try again.
I cannot retrieve recorded messages from a remote phone.	<ul style="list-style-type: none">—Make sure that you use your REMOTE ANS ID number correctly. When you use your REMOTE ANS ID number, press the buttons firmly.
Some voice-messages have not been fully recorded.	<ul style="list-style-type: none">—The calling party control (CPC) should be set to "B". Call your service center. For U.S.A. users, see page 171.
When a caller hangs up after leaving a message, the tape does not stop.	<ul style="list-style-type: none">—VOX TIME should be set to 4 seconds. Call your service center. For U.S.A. users, see page 171.

COPY

PROBLEM	CAUSE & REMEDY
The ALARM indicator light is on during copying.	<ul style="list-style-type: none">—The recording paper causes a jam. Remove it (see page 148).
Copied image is distorted.	<ul style="list-style-type: none">—The thermal head is dirty. Clean it (see page 155).

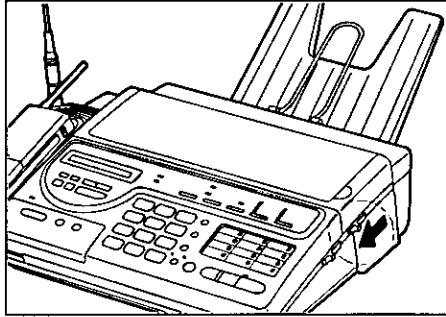
Cordless handset

PROBLEM	CAUSE & REMEDY
<p>The cordless handset does not work or ring.</p>	<ul style="list-style-type: none"> —The POWER switch of the main unit is in the "O" (OFF) position. Set to the "I" (ON) position. —The POWER/RINGER switch is in the OFF position. Set to the ON position. —The cordless handset battery becomes weak. Charge the battery fully, or replace with the fully charged spare battery (see page 151). —The security codes in the cordless handset and the main unit are not the same. Place the cordless handset on the main unit. —The ANS/FAX ring count is set to the ringer off position (see page 120).
<p>Static, sound cuts in and out, fades. Interference from other unit.</p>	<ul style="list-style-type: none"> —Electrical interference may cause static and poor range. Set the cordless handset and the main unit away from other electrical appliances. —You may be too far from the main unit. Move towards it. —Raise the antenna of the main unit vertically.
<p>" + C " on the display flashes.</p>	<ul style="list-style-type: none"> —Charge the battery fully, or replace with the fully charged spare battery (see page 151).
<p>I charged the battery for 15 hours, but " + C " flashes after a few telephone calls.</p>	<ul style="list-style-type: none"> —Clean the charge contacts and charge again. —It is time to change the battery. Replace with a new one (see page 158).
<p>When I try to make an outside or intercom call with the cordless handset, alarm tone sounds.</p>	<ul style="list-style-type: none"> —Move towards the main unit and try again. —Place the cordless handset on the main unit and try again.
<p>When I page the cordless handset from the main unit, the beep stops halfway and alarm tone sounds.</p>	<ul style="list-style-type: none"> —Set the POWER/RINGER switch to the ON position. —The cordless handset user is too far from the main unit. Advise them to move towards the main unit.
<p>While having an intercom call or operating the answering device from the cordless handset, a series of tones is heard.</p>	<ul style="list-style-type: none"> —Someone is calling you from outside. Press the TALK button or SP-PHONE button to answer the outside call. Intercom call or remote operation is terminated.
<p>I cannot operate the answering device with the cordless handset.</p>	<ul style="list-style-type: none"> —Someone is operating the answering device. —You may be too far from the main unit. Move towards it.

Clearing a recording paper jam

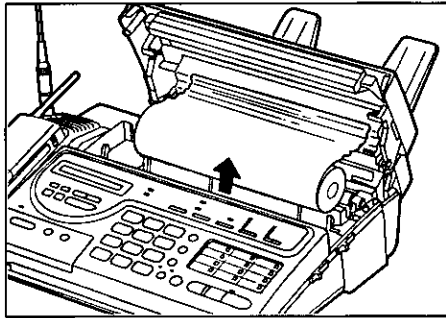
When the unit does not eject a recording paper during receiving, the recording paper has jammed. Remove the jammed paper by following the steps below.

1



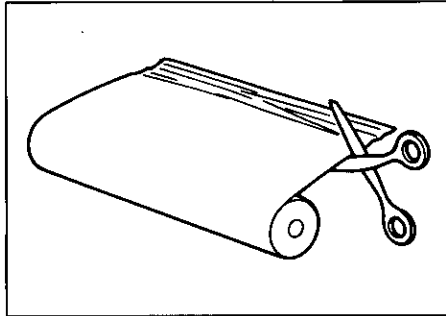
Slide the back lid open lever forward to open the recording paper unit.

2



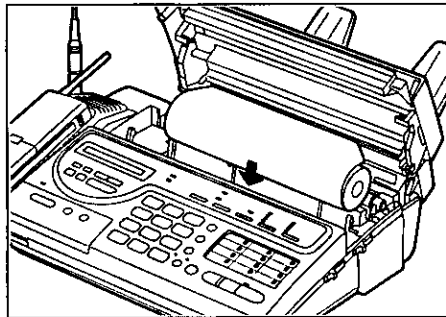
Remove the jammed paper.

3



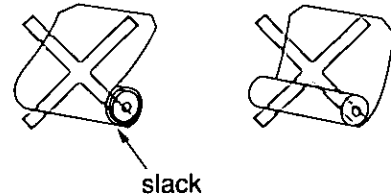
Cut off the wrinkled portion.

4

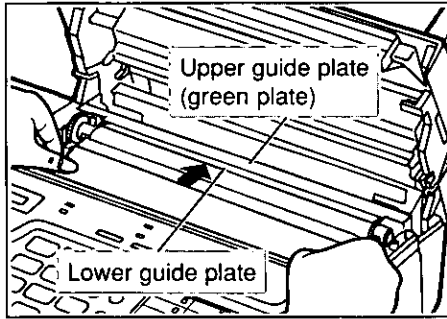


Replace the recording paper roll in proper direction.

—Make sure that there is no slack in the paper roll.



5

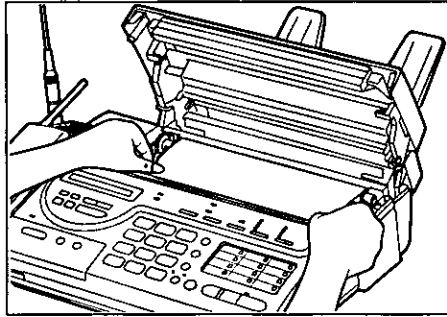


Insert the leading edge of the paper between upper guide plate (green plate) and the lower guide plate.

—If the paper cannot be inserted:

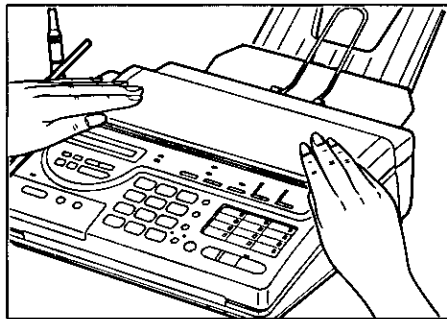
Close the recording paper compartment cover to reset the paper cutter, then open it and insert the paper again.

6



Pull the paper a few centimeters (one or two inches) out of the unit.

7



Close the recording paper unit carefully by pushing down on both ends gently.

When the unit is turned on, the recording paper will advance slightly and be cut automatically.

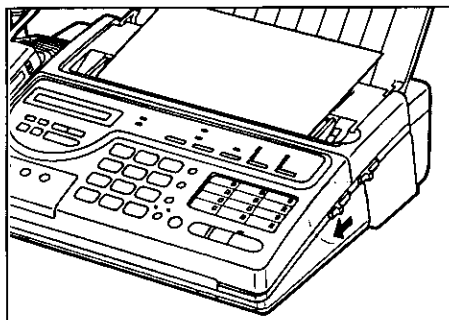
NOTE:

- When re-installing a recording paper roll with a 1/2 inch core, remember to fix the paper roll holders to the recording paper (see page 25).

Clearing a document jam

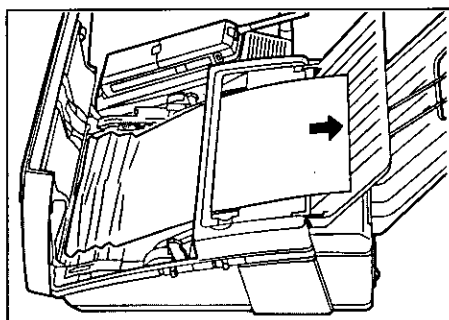
If an original document becomes jammed in the document feeder unit, the ALARM indicator lights and a long beep is heard. Remove the document that causes a problem by following steps below.

1



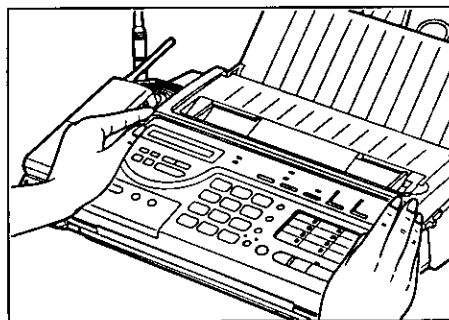
Slide the front lid open lever forward to open the document feeder unit.

2



Remove the document that causes a problem carefully.

3



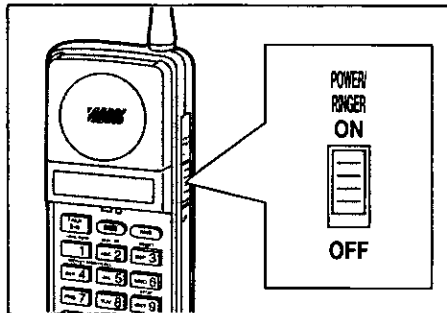
Then close the document feeder unit carefully by pushing down on both ends gently.

Maintenance

Replacing the cordless handset battery with the spare one

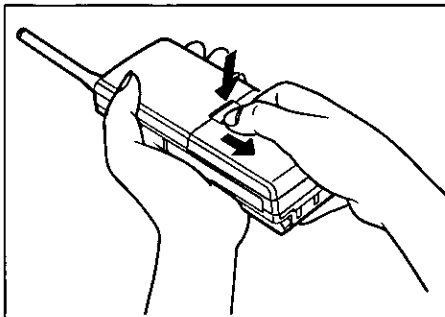
Replacing the cordless handset battery with the fully charged spare battery eliminates having to wait for the cordless handset battery recharge and ensures continuous use.

1



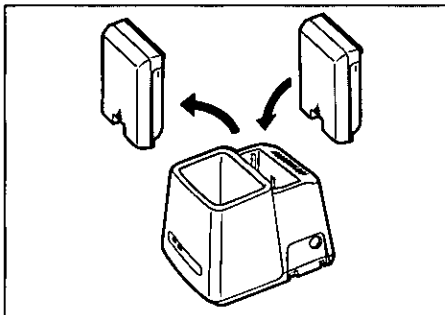
Confirm the POWER/RINGER switch is set to ON.

2



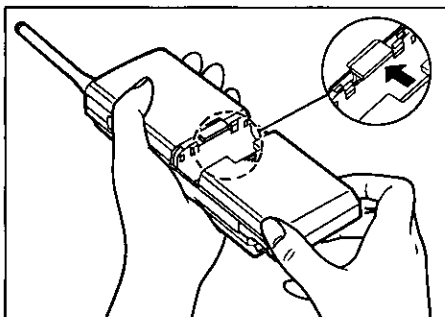
Remove the cordless handset battery as shown.

3



Replace the cordless handset battery with the spare battery in the battery charger.

4



Install the spare battery on the cordless handset.

NOTES:

- Replace the battery with a new one if “+C □” flashes after a few telephone calls even when the battery has been charged for 15 hours. Remember to charge the new battery for about 15 hours after battery replacement.
- Please use only Panasonic KX-A45X-G battery.

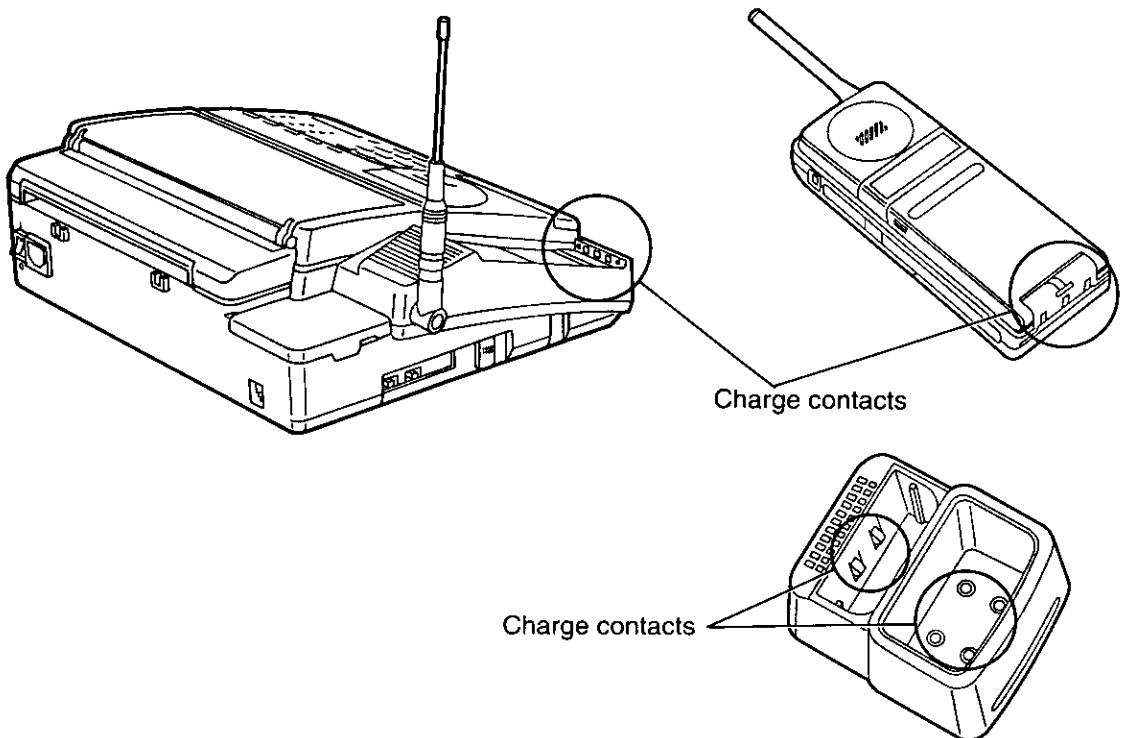
Attention (For U.S.A. only):

- The product that you have purchased contains rechargeable batteries. The batteries are recyclable. At the end of their useful lives, under various state and local laws, it may be illegal to dispose of these batteries into the municipal waste stream. Check with your local solid waste officials for details in your area for recycling options or proper disposal.



Cleaning the charge contacts

Clean the charge contacts with a soft cloth once a month, or the battery may not charge properly.



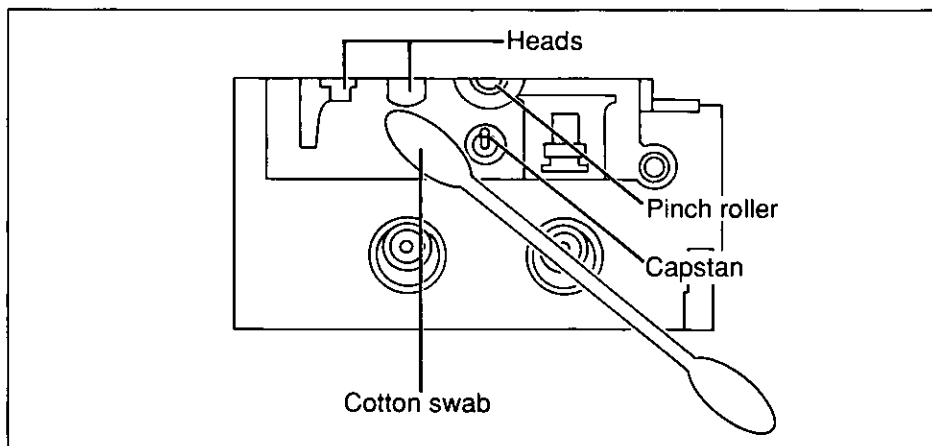
Replacing the microcassette tape

- For optimum sound quality and performance, turn the tape over after six months and replace the tape with a new one every year, assuming that the unit answers about ten calls a day.
- To replace the microcassette tape, see page 23.
- Never place a cassette tape near a magnetic source such as a magnet or a TV set. It may erase or interfere with any messages on the tape.
- Should the cassette tape break or become worn, replace it with a new one.
We recommend using the Panasonic cassette tape MC-30 or MC-60.

Cleaning the microcassette compartment

Dirt and residue from the tape may adhere to the head and capstan, causing distortion. Clean these parts periodically in the manner described below for the best sound quality.

1. Turn the power switch to the "O" (OFF) position.
2. Open the cassette compartment cover.
3. Remove the microcassette tape.
4. Clean the head surfaces, pinch roller and capstan with a cotton swab.
If these surfaces are extremely dirty, wipe them with a cotton swab dampened with denatured alcohol, then wipe them with a dry soft cloth.



NOTES:

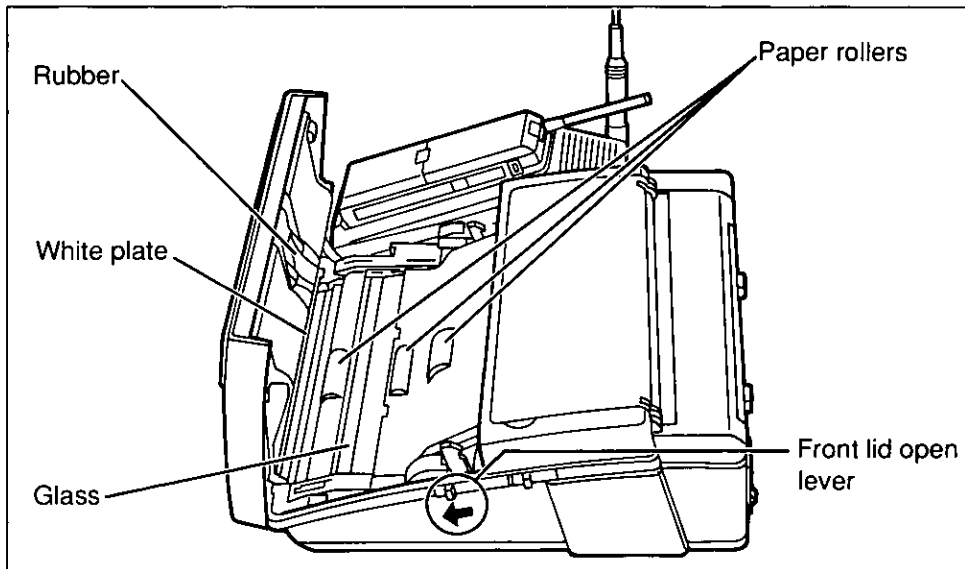
- Do not bring magnetic or metal objects, such as a screwdriver, near the head assembly, as such objects could magnetize the heads.
- Do not oil any part of the unit.

Cleaning the document feeder unit

Clean the inside of the document feeder unit by following the steps below:

- when the unit does not feed the document properly.
- when a dirty pattern or black bands appear on a copied or transmitted document.

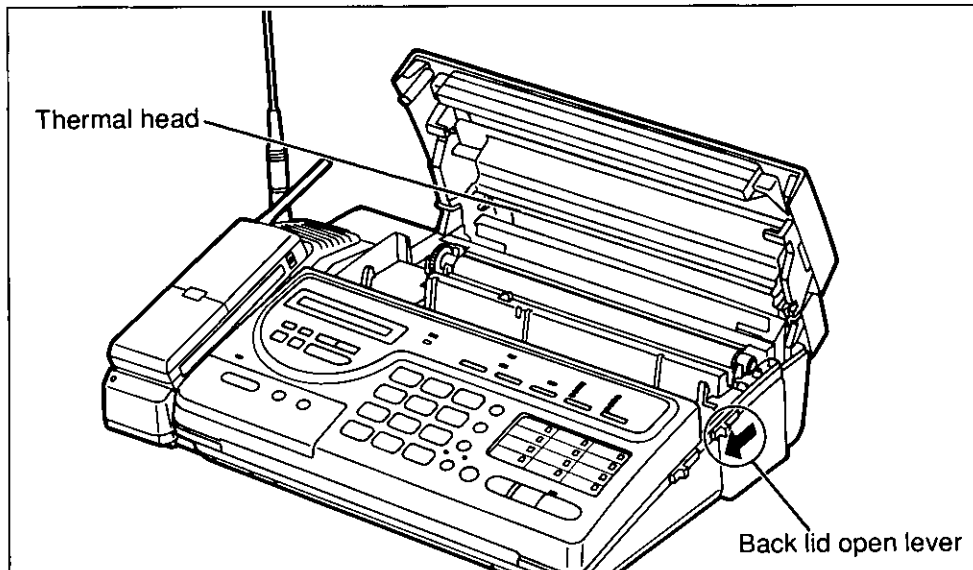
1. Turn the power switch to the "O" (OFF) position.
2. Slide the front lid open lever forward to open the document feeder unit.
3. Clean the rubber and the paper rollers rotating them with a cloth moistened with isopropyl rubbing alcohol, then dry thoroughly to prevent paper jams.
4. Clean the glass and the white plate with a dry soft cloth.
5. Close the document feeder unit.
6. Turn the power switch to the "I" (ON) position.



Cleaning the thermal head

If a dirty pattern or black bands appear on a copied or received document, clean the thermal head inside the recording paper unit by following the steps below.

1. Turn the power switch to the "O" (OFF) position.
2. Slide the back lid open lever forward to open the paper compartment cover.
3. Remove the recording paper from the unit.
4. Clean the thermal head with a cloth moistened with isopropyl rubbing alcohol, then dry thoroughly.
5. Close the paper compartment cover.
6. Turn the power switch to the "I" (ON) position.



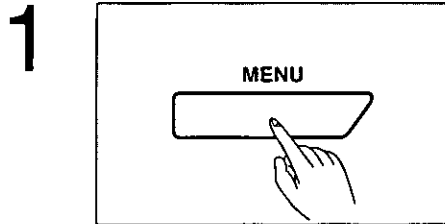
NOTES:

- To prevent malfunction due to static electricity, do not use a dry cloth and do not touch the thermal head with your finger directly.
- When finished, confirm the print quality by printing the test pattern. See page 156.

Printing a test pattern

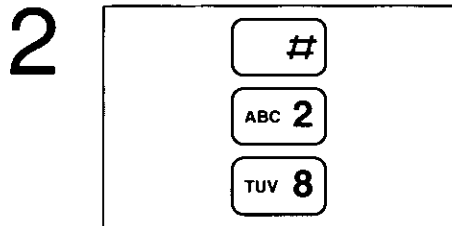
You can check the print quality of your unit by printing the test pattern.
If the test pattern has any blurred points or lines or a dirty pattern, please clean the thermal head following the instructions on page 155.

To obtain the test pattern, follow the steps below.



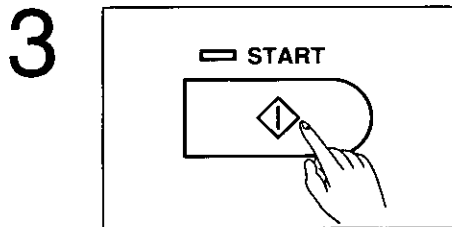
Press **MENU**.

PROGRAM[1.DATE 2.TEL
3.SYSTEM 4.REPORT]



Press #, then press **28**.

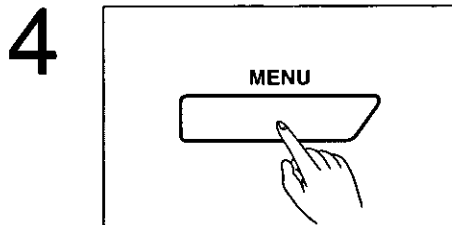
PRINTER TEST
PRESS START KEY



Press **START**.

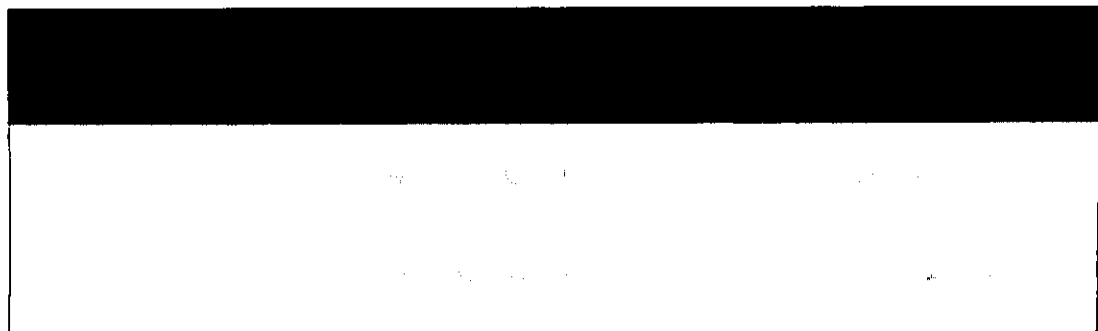
PRINT TEST
EXECUTING

The unit will print the pattern as shown below.



Press **MENU** to end the operation.

Sample of test pattern:



Chapter 8

General Information

Accessory Order Information

Replacement parts and accessories are available through your local authorized parts distributor.

Part No.	Description	Comment
MC-30 MC-60	Microcassette Tape	Microcassette tape for incoming messages
KX-A101	Thermal Recording Paper	216 mm×30 m roll (8½"×98' roll) (½ inch core)
KX-A106	Thermal Recording Paper	216 mm×30 m roll (8½"×98' roll) (1 inch core)
KX-A45X-G	Battery	Rechargeable battery for cordless handset

Specifications

■ Main unit specifications

Item No.		
1.	Type:	Desktop
2.	Applicable Lines:	Public Switched Telephone Network
3.	Document Size:	Max. 216 mm (8½") in width, Max. 600 mm (23⅝") in length
4.	Effective Scanning Width:	Max. 208 mm (8⅓")
5.	Printing Paper Size:	216 mm (letter)×30 m roll (8½"×98' roll)
6.	Effective Printing Width:	208 mm (8⅓")
7.	Transmission Time*:	Approx. 30 sec/page (G3 Normal mode) Approx. 17 sec/page (Original mode)
8.	Fax Redial Times:	Up to 5 times
9.	Telephone Redial Times:	Up to 14 times
10.	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
11.	Scanner Type:	CCD image sensor
12.	Printer Type:	Thermal printing
13.	Data Compression System:	Modified Huffman (MH)
14.	Modem Speed:	9600/7200/4800/2400 bps; Automatic Fallback
15.	Temperature Range: (Operating)	5°–35°C (41°–95°F)
16.	Humidity Range: (Operating)	45%–85%
17.	Dimensions (H×W×D):	107×379×297 mm (4¼"×14⅓"×11¾")
18.	Weight:	Approx. 5.3 kg (11.7 lb.)
19.	Power Consumption:	Transmission: Approx. 30 W Reception: Approx. 40 W Copy: Approx. 50 W Standby: Approx. 20 W Maximum: Approx. 100 W
20.	Power Supply:	KX-F390: 120 V AC, 60 Hz KX-F390BX: 220–240 V AC, 50 Hz/60 Hz

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

NOTE:

- The specifications are subject to change without notice.

■ Cordless handset specifications

Item No.

1.	Temperature Range: (Operating)	5°–35°C (41°–95°F)
2.	Humidity Range: (Operating)	45%–85%
3.	Dimensions (H×W×D):	34×59×148.5 mm (1 ⁵ / ₁₆ "×2 ⁵ / ₁₆ "×5 ⁷ / ₈ "
4.	Weight:	Approx. 260 g (0.57 lb.)
5.	Power Supply:	Ni-Cd battery (4.8 V, 600 mAh)
6.	Frequency:	KX-F390: 902–904 MHz, 926–928 MHz (30 channels) KX-F390BX: 814–815 MHz, 904–905 MHz (40 channels)
7.	Security Codes:	1,000,000

■ Battery charger specifications

Item No.

1.	Temperature Range: (Operating)	5°–35°C (41°–95°F)
2.	Humidity Range: (Operating)	45%–85%
3.	Dimensions (H×W×D):	73×85×100 mm (2 ⁷ / ₈ "×3 ³ / ₈ "×3 ¹⁵ / ₁₆ "
4.	Weight:	Approx. 180 g (0.40 lb.)
5.	Power Consumption:	Approx. 1.8 W
6.	Power Supply: (Use AC adaptor)	Input: KX-F390; 120 V AC, 60 Hz KX-F390BX; 220–240 V AC, 50 Hz/60 Hz Output: 12 V, 500 mA

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

CAUTION:

To reduce the risk of fire or injury to persons, read and follow these instructions.

1. Use only the battery(ies) instructed.
2. Do not dispose of the battery(ies) in a fire. The cell may explode. Check with local codes for possible special disposal instructions.
3. Do not open or mutilate the battery(ies). Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
4. Exercise care in handling batteries in order not to short the battery with conducting materials such as rings, bracelets, and keys. The battery or conductor may overheat and cause burns.
5. Charge the battery(ies) provided with or identified for use with this product only in accordance with the instructions and limitations specified in this manual.

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.
- The antenna of the cordless handset should not be touched during use for best performance.
- The possible calling distance may be shortened when the unit is used in the following places:
Near obstacles such as hills, tunnels,
underground, near metal objects such as wire fence.

Automatic security code setting

Whenever you place the cordless handset on the main unit, the unit automatically selects one of a million security codes. This code helps to avoid unauthorized use of your telephone line by another cordless telephone in your area.

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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.

Transmitting a voice-message and 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 after recording your incoming message. Our unit will switch to the facsimile mode and a fax tone sounds.
4. Start transmission to send a fax after hearing the fax tone.

Transmitting a document only

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.
 - You may press "*" (asterisk) button while the greeting message is being played. Start transmission after hearing the fax tone.

If you call from a rotary (pulse) phone:

Transmitting a document only

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.

Transmitting a document and a voice-message

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.

NOTE:

If our unit is in a fax mode, the greeting message is not played and a fax tone sounds. You cannot talk to us, and fax reception only is available.

SPEED DIALER LIST

Station No.	Name/Phone No.	Station No.	Name/Phone No.
00		25	
01		26	
02		27	
03		28	
04		29	
05		30	
06		31	
07		32	
08		33	
09		34	
10		35	
11		36	
12		37	
13		38	
14		39	
15		40	
16		41	
17		42	
18		43	
19		44	
20		45	
21		46	
22		47	
23		48	
24		49	

SPEED DIALER LIST

Station No.	Name/Phone No.	Station No.	Name/Phone No.
50		75	
51		76	
52		77	
53		78	
54		79	
55		80	
56		81	
57		82	
58		83	
59		84	
60		85	
61		86	
62		87	
63		88	
64		89	
65		90	
66		91	
67		92	
68		93	
69		94	
70		95	
71		96	
72		97	
73		98	
74		99	

FCC Information (For U.S.A.)

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

FCC Registration No.: (found on the rear side of the unit)

Ringer Equivalence: 0.2B

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:

To assure continued compliance with FCC rules, do not make any unauthorized modifications.

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 (For the United States only) _____

PANASONIC ANSWERING SYSTEM WITH FACSIMILE Limited Warranty

MATSUSHITA CONSUMER ELECTRONICS COMPANY of America or Panasonic Sales Company (collectively referred to as "PANASONIC"), 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 PANASONIC 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.

PANASONIC 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 ANSWERING SYSTEM WITH FACSIMILE develops during the warranty period, you may contact your dealer or the MSC Factory Servicenter or authorized Panasonic Service Dealer. If the problem is not handled to your satisfaction, write to the Panasonic Company Consumer Affairs Division at the address indicated on the Servicenter Directory.

Servicenter Directory (For the United States only)

**PRODUCT INFORMATION • OPERATION ASSISTANCE • LITERATURE
REQUESTS • DEALER LOCATIONS**

DIAL TOLL FREE: 1-800-HELP-FAX

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

SERVICE INQUIRIES

Regional Customer Care Department

NORTHEAST

2221 Cabot Boulevard West
Suite A
Langhorne, PA 19047
215-741-0676

Covers:

CT, DE, ME, MD, MA,
NH, NJ, NY, PA, RI, VT,
VA, DC, WV, Eastern OH

MIDWEST

1703 North Randall Road
Elgin, IL 60123
708-468-5530

Covers:

IL, IN, IA, KS, KY, MI,
MN, MO, NE, ND, SD,
WI, Western OH

WESTERN

6550 Katella Avenue
Cypress, CA 90630
714-373-7440

Covers:

AK, AZ, CA, CO, ID,
MT, NV, NM, OR, UT,
WA, WY, HI

SOUTHERN

1854 Shackelford Court
Suite 4105
Norcross, GA 30093
404-717-6860

Covers:

AL, AR, FL, GA, LA,
MS, NC, OK, SC, TN, TX

PRODUCT SERVICE

Factory Servicenters

CALIFORNIA

6550 Katella Avenue
Cypress, CA 90630
714-373-7425

800 Dubuque Avenue
So. San Francisco,
CA 94080

415-871-6373

20201 Sherman Way
Suite 102

Canoga Park, CA 91306

818-709-1775

3878 Ruffin Road

Suite A

San Diego, CA 92123

619-560-9200

COLORADO

1640 South Abilene Suite D

Aurora, CO 80012

303-752-2024

FLORIDA

3700 North 29th Avenue

Suite 102

Hollywood, FL 33020

305-925-2880

4710 Eisenhower

Boulevard Suite A1

Tampa, FL 33634

813-884-4746

GEORGIA

4245 International Boulevard
Suite C

Norcross, GA 30093

404-717-6880

HAWAII

99-859 Iwaiwa Street

Aiea, Hawaii 96701

808-488-1996

ILLINOIS

*1703 North Randall Road

Elgin, IL 60123

708-468-5466

*9401 W. Grand Avenue

Franklin Park, IL 60131

708-452-2580

9060 Golf Road

Niles, IL 60714

708-299-1700

MARYLAND

Sulphur Springs

Business Center

1638 Sulphur Springs Road

Baltimore, MD 21227

410-242-2607

MASSACHUSETTS

60 Glacier Drive Suite G

Westwood, MA 02090

617-329-4280

MICHIGAN

37048 Van Dyke Avenue
Sterling Heights, MI 48312

313-939-2060

MINNESOTA

7850-12th Avenue South

Airport Business Center

Bloomington, MN 55425

612-854-8624

MISSOURI

11982 Dorsett Road

Maryland Heights, MO 63043

314-739-5301

OHIO

1196 W. Kemper Road

Cincinnati, OH 45240

513-851-4180

PENNSYLVANIA

2221 Cabot Boulevard West

Suite B

Langhorne, PA 19047

215-741-0661

Campbell's Run

Business Center

500 Business Center Drive

Pittsburgh, PA 15205

412-788-2174

*pick-up/drop-off only

TENNESSEE

919-8th Avenue South
Nashville, TN 37203

615-244-4434

TEXAS

7420 Harwin Drive

Houston, TX 77036

713-781-1528

13615 Welch Road Suite 101

Farmers Branch, TX 75244

214-385-1975

WASHINGTON

20425-84th Avenue South

Kent, WA 98032

206-872-7922

Service in Puerto Rico

**Matsushita Electric
of Puerto Rico, Inc.
Panasonic Sales Company/
Factory Servicenter**

Ave. 65 de Infanteria, Km. 9.5
San Gabriel Industrial Park
Carolina, Puerto Rico 00985
809-750-4300

AUTHORIZED SERVICENTERS • PARTS DISTRIBUTOR LOCATIONS

To locate an independent authorized servicenter or parts distributor in your area, within the USA dial toll free
1-800-545-2672, 24 hours a day, 7 days a week.

ACCESSORY PURCHASES

1-800-332-5368 (Consumer Orders Only)

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)

(940404)

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

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

Matsushita Electric Industrial Co., Ltd.
Central P.O.Box 288, Osaka 530-91, Japan
