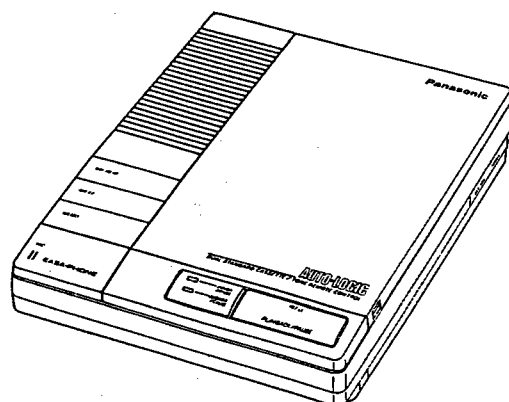


# Operating Instructions

AUTOMATIC TELEPHONE  
ANSWERING SYSTEM

EASA-PHONE

Model No. **KX-T1456 BS**



**AUTO-LOGIC**

**Panasonic**

Please read before use.



## Table of Contents

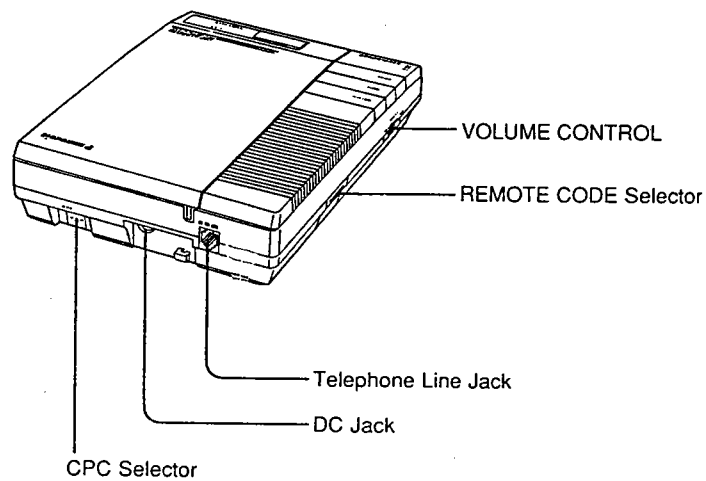
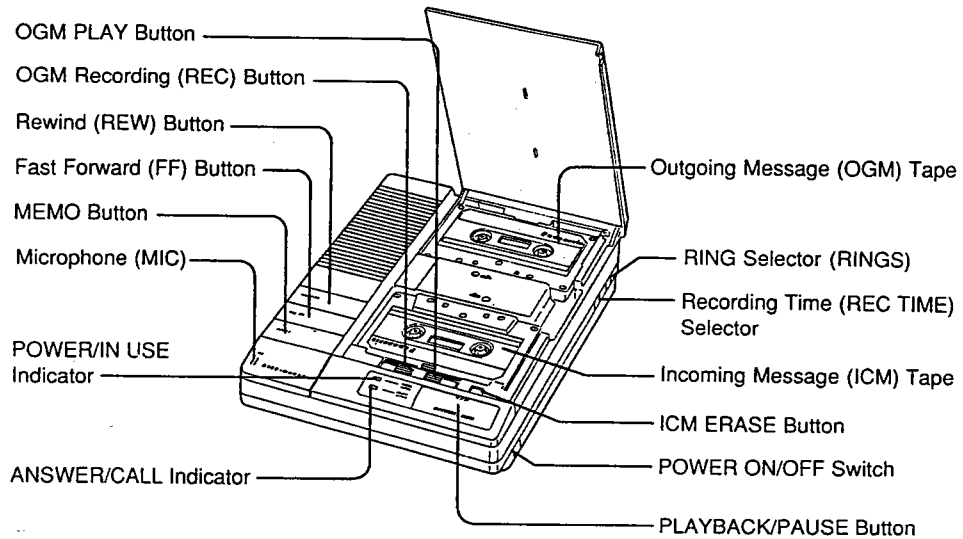
---

Locations of the Controls .....	2
Introduction .....	3
Preparation	
CONNECTION .....	4
INITIAL SETTINGS .....	5
TOLL SAVER .....	5
CASSETTE TAPE INSTALLATION .....	6
How to Record an Outgoing Message (OGM)	
RECORDING THE OGM .....	7
CHECKING YOUR OGM .....	8
SAMPLE OGMS .....	8
Setting Prior to Leaving	
RECORDING THE CALLERS' MESSAGES .....	9
PREPARING THE ICM TAPE .....	9
Listening to the Recorded Messages	
LISTENING TO THE MESSAGES .....	10
RE-PLAYING BACK ALL THE MESSAGES .....	10
Other Features	
RECORDING A PERSONAL MESSAGE (MESSAGE MEMO) .....	11
SAVING THE RECORDED MESSAGES .....	12
ERASING THE RECORDED MESSAGES .....	13
MONITORING THE INCOMING CALLS .....	13
How to Operate from a Remote Phone	
SETTING THE REMOTE CODE .....	14
PLAYING BACK MESSAGES .....	15
PLAYING BACK NEWLY-RECORDED MESSAGES (MEMORY PLAYBACK) .....	15
REWINDING/FAST FORWARDING TAPE WHILE HEARING THE MESSAGES .....	16
RECORDING A MARKER MESSAGE .....	16
RESETTING THE ICM TAPE FOR FUTURE MESSAGES .....	17
MONITORING ROOM SOUND .....	17
CHANGING THE OUTGOING MESSAGE .....	18
SKIPPING THE OGM FOR ICM RECORDING .....	18
SETTING/CANCELLING THE ANSWER MODE .....	19
Troubleshooting Guide .....	20
Maintenance .....	21
Cassette Tape .....	21
Others .....	22



## Location of the Controls

---





## Introduction

---

*Thank you for purchasing the Panasonic Telephone Answering System.*

***You can use this Model KX-T1456 to:***

- Answer calls and record messages when you cannot answer the telephone or do not want to be disturbed
- Monitor (screen) calls
- Record your personal messages

***By using the advanced remote-control features of your KX-T1456, you can also***

- Call in from another touch tone telephone to listen to your messages
- Record a new Outgoing Message even when you are away from your unit
- Leave a message while you are away from your unit

**We recommend that you read these Operating Instructions all the way through before you set up and use your Answering System.**

### Accessories

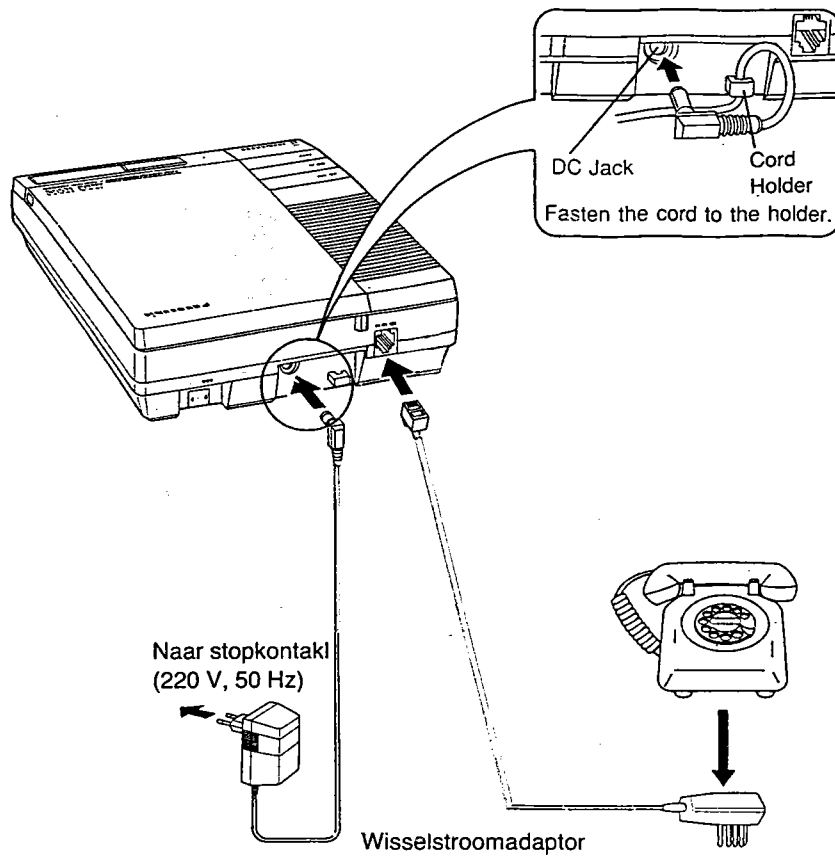
•AC Adaptor .....	1
•Telephone Cord .....	1
•Outgoing Message Tape .....	1
•Incoming Message Tape .....	1





## Preparation

### CONNECTION



*Do not connect the AC adaptor to the AC outlet before inserting the OGM and ICM tapes. (See page 6.)*

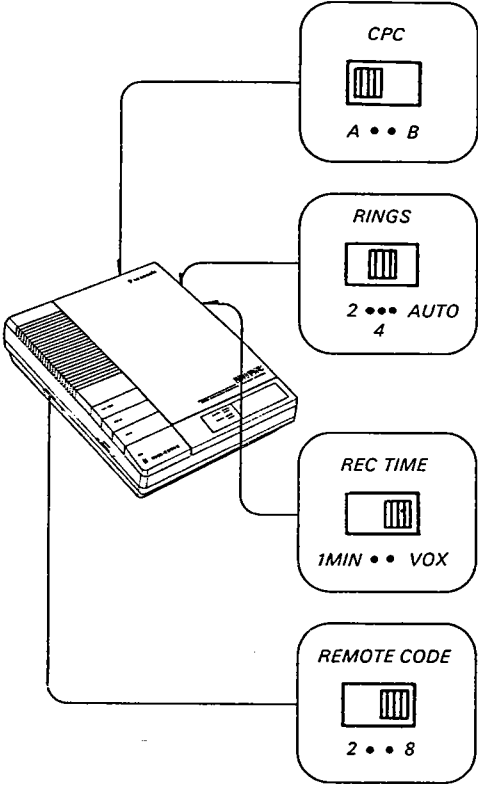
- **USE ONLY PANASONIC AC ADAPTOR KX-A11BS.**
- The unit must not be connected to a coin operated line. If you are on a party line, check with your local telephone company.
- While operating the unit, the cabinet of the AC Adaptor may feel warm, this is a normal condition.



---

## INITIAL SETTINGS

---



**CPC**  
A • • B

**Calling Party Control (CPC) Setting**  
Set to "A". (no call waiting service line.)  
If you have call waiting service or some Incoming Messages are interrupted, set to "B".

**RINGS**  
2 • • • AUTO  
4

**Number of Rings**  
●2..... The unit will answer a call on the second ring.  
●4..... The unit will answer a call on the fourth ring.  
●AUTO..... See "TOLL SAVER" on this page.

**REC TIME**  
1MIN • • VOX

**Recording Time Selector**  
●VOX..... The unit will record for as long as the caller speaks (upto 5 minute).  
●1 minute.. The unit will record up to 1 minute. (1 MIN)

**REMOTE CODE**  
2 • • 8

**Remote Code**  
The remote code number is made up of 2 digits.  
The first digit is factory preset, and the second digit is selectable. (2 or 8)  
Also, refer to page 14 for your remote code setting.

---

## TOLL SAVER

---

The TOLL SAVER feature lets you avoid a toll charge when you call your unit and no messages have been recorded.

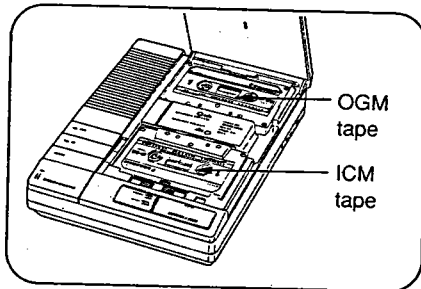
**1** Set the number of rings to **AUTO**.

- If the unit does not pick up on the third ring, hang up immediately. This means that you have no messages and you have saved a toll charge.

- The unit picks up **on the second ring**:  
It means that at least one message has been recorded.
- After you have played back all the messages from a remote phone, **the unit will pick up the next call on the fourth ring**. If the unit picks up on the second ring, it means that at least one new message has been recorded.

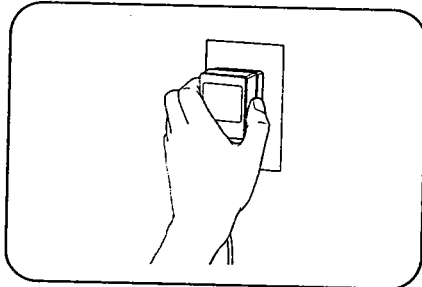


## CASSETTE TAPE INSTALLATION

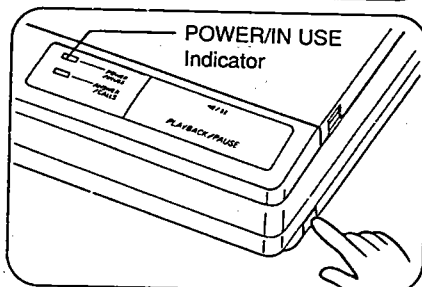


- 1 Open the panel, and insert the Outgoing Message (OGM) and Incoming Message (ICM) tapes as shown.

- Two cassette tapes are included. Use C15 for OGM and C60 for ICM.



- 2 Connect the AC adaptor to the AC outlet.



- 3 Set the POWER ON/OFF switch to ON.

- The unit will start to reset the OGM tape.

### NOTES:

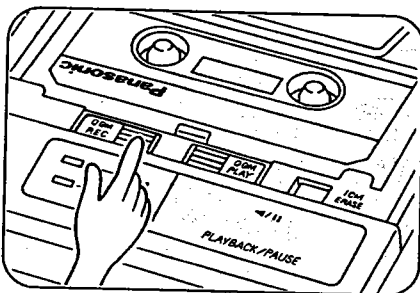
- **3 minutes** after connecting the AC adaptor, the unit will be powered ON automatically and reset the OGM tape even when the **POWER ON/OFF** switch is not set to **ON**.
- **After you have changed the OGM tape:** Push **OGM PLAY** and **REW** simultaneously to reset the OGM tape.



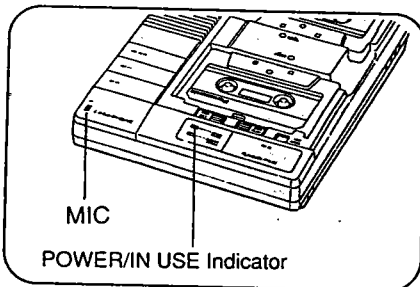
## How to Record an Outgoing Message (OGM)

Before operating your unit, you must record an Outgoing Message (OGM). The OGM will inform the calling party of your absence and your message.

### RECORDING THE OGM

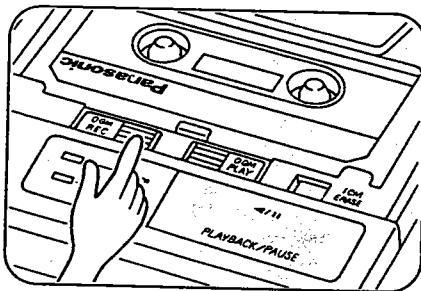


- 1 Push **OGM REC** until a long beep is heard, then release it.



- 2 After the long beep, speak clearly and loudly into the microphone (MIC), approximately 8 inches away.

- The IN USE indicator will flash.
- The recording time is up to the tape length that you use.



- 3 When recording is finished, push **OGM REC** again.

- The unit will rewind the tape to the beginning, and be ready for Incoming Calls.

#### NOTE:

*If you pause for over 2 seconds while recording, you will hear a series of warning tones (6 beeps) and the unit will start rewinding the tape. If this happens, start with step 1 again after the unit stops rewinding.*





## How to Record an Outgoing Message (OGM)

---

### CHECKING YOUR OGM

---

You can check your OGM at any time.



#### 1 Push **OGM PLAY**.

- The unit will play back the OGM, then rewind the tape to the beginning.
- Use the **VOLUME** control on the left side of your unit to regulate the volume during playback if necessary.
- To stop the operation while playing back the OGM, push the **OGM PLAY** button.

#### NOTES:

- The unit will automatically change to the Answer mode 7 seconds after completing the OGM recording or checking.
- Answer mode:**  
When a call is received, the unit will automatically answer and record Incoming Messages on the ICM tape.

---

### SAMPLE OGMS

---

#### *When you have set the Recording Time to "VOX"*

(For setting the recording time, see page 5.):

"Hello, this is the Smith residence. We cannot come to the phone right now. If you would like us to call you back, please leave a message, including your name and telephone number after the beep. Thank you for calling."

"This is the Panasonic (your name or business) Sales Company. We are glad that you called but our office is closed until 9 o'clock in the morning. If you leave a message, including your name and telephone number after the beep, we will return your call as soon as we can. Thank you."

#### *When you have set the Recording Time to "1 MIN":*

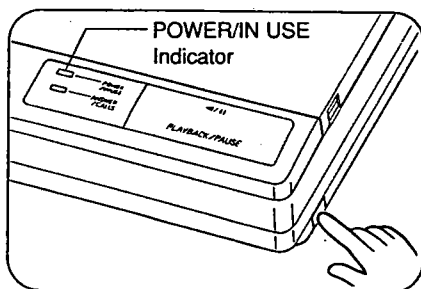
"Hello, this is (your name, business and/or telephone No.).

I am sorry I am not here to speak to you at the moment. Please leave a message after the beep. **You have up to 1 minute for recording.** Thank you."



## Setting Prior to Leaving

### RECORDING THE CALLERS' MESSAGES



1 Push **POWER ON/OFF** to **ON**.

- The **POWER** indicator will light.

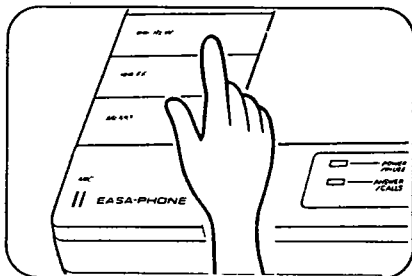
#### NOTES:

- The unit will automatically switch itself to the Answer mode 7 seconds after you set the **POWER ON/OFF** switch or you complete some other operations. When the telephone rings, the unit will play back your OGM, then it will record the callers' messages on the tape.
- If you do not want to set the unit to the Answer mode, set the **POWER ON/OFF** switch to **OFF**.

### PREPARING THE ICM TAPE

After reviewing the Incoming Messages, the unit will automatically reset itself to the Answer mode.

- To record future messages after the last message; leave the unit as is. All calls will be saved.
- To record the future messages from the beginning of the tape;



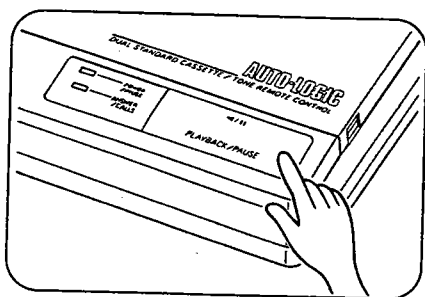
1 Push **REW**.



## Listening to the Recorded Messages

- When Incoming Messages have been recorded, the ANSWER/CALL indicator will flash. (Three flashes followed by a pause means that 3 messages were recorded.)
- In case of a power interruption, the ANSWER/CALL indicator will flash slowly after the power is restored.

### LISTENING TO THE MESSAGES



1 Push **PLAYBACK/PAUSE**.

- The playback volume is adjustable using the **VOLUME** control (left side on your unit).

#### **AUTO-LOGIC (One-Touch Operation):**

At the touch of the **PLAYBACK/PAUSE** button, the unit will automatically rewind and play back all the recorded messages. At the end of the last message, you will hear 3 beeps. After 7 seconds, the unit will reset itself to the Answer mode. All calls will be automatically saved.

- Future Incoming Messages will be recorded after the last message.
- To record the future messages from the beginning of the tape, push the **REW** button.
- To stop the tape temporarily during playback, push the **PLAYBACK/PAUSE** button once. The **IN USE** indicator will flash. The tape will pause until you restart by pushing it again.
- To rewind the tape, push the **REW** button.
- To fast forward the tape, push the **FF** button.

### RE-PLAYING BACK ALL THE MESSAGES

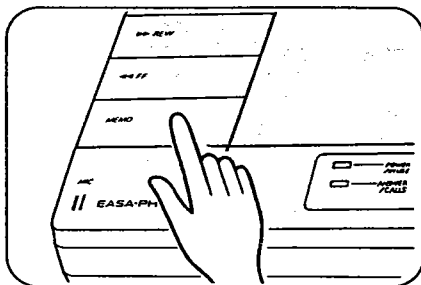
- 1 Wait until the ANSWER/CALL indicator is lit after playing back all the messages.
- 2 Push **PLAYBACK/PAUSE**.
  - The unit will play back all the recorded messages again.
  - If you push the **PLAYBACK/PAUSE** button before the ANSWER/CALL indicator is lit, push the **REW** button to rewind the tape. Within 7 seconds after rewinding, push the **PLAYBACK/PAUSE** button to re-play back all the messages.



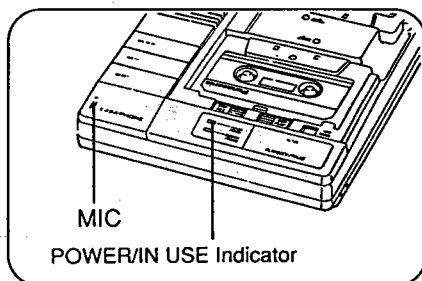
## Other Features

### **RECORDING A PERSONAL MESSAGE (MESSAGE MEMO)**

You may record a personal message any time at home on the ICM tape. It will be heard by anyone retrieving messages from the unit.

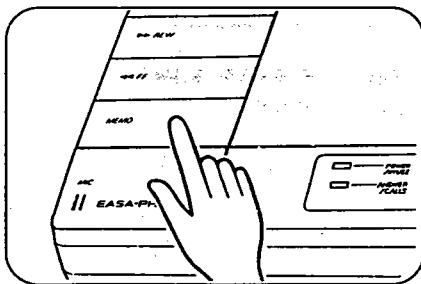


1 Push **MEMO** until a beep is heard.



2 Speak into the MIC.

- The IN USE indicator will flash.



3 When finished recording, push **MEMO** again.

- The IN USE indicator will stop flashing.
- The ANSWER/CALL indicator will flash to show that your message was recorded, and the unit will be ready to answer the phone call.
- New messages will be automatically recorded after your memo.



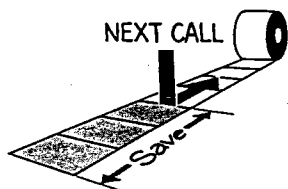


---

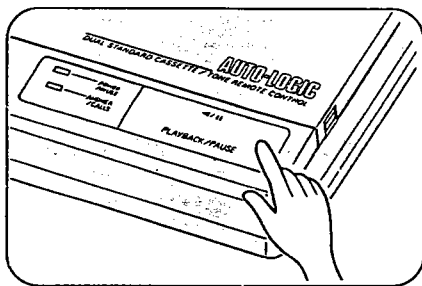
## SAVING THE RECORDED MESSAGES

---

You can save the desired messages.

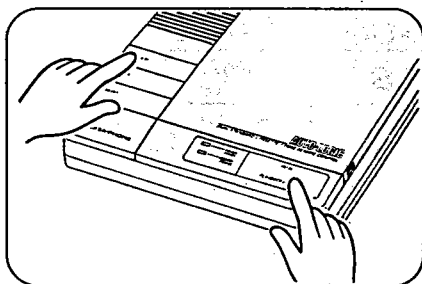


- 1 Play back the tape through the message you want to save.



- 2 Push **PLAYBACK/PAUSE** to pause.

- The IN USE indicator will flash.



- 3 Push **PLAYBACK/PAUSE** and **REW** simultaneously.

- The IN USE indicator will stop flashing.
- The ANSWER/CALL indicator will light.



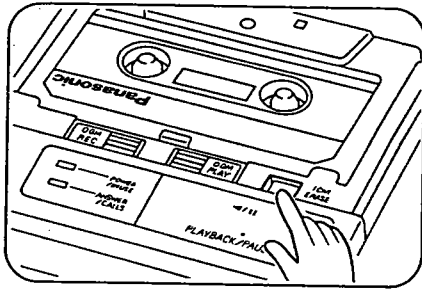
## Other Features

---

### ERASING THE RECORDED MESSAGES

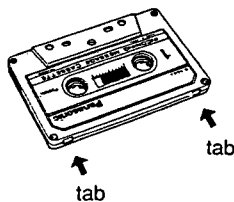
---

After you have played back the recorded messages, you can erase them by simply pushing the ICM ERASE button.



1 Push **ICM ERASE** until a beep is heard.

- The unit will erase the recorded messages while the tape is rewinding.



#### NOTE:

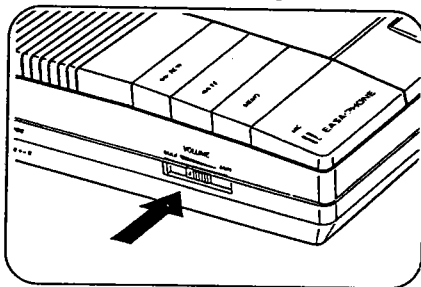
The tape can be erased even if the record-prevention (knock-out) tabs have been removed.

---

### MONITORING THE INCOMING CALLS

---

While an Incoming Message is being recorded, you can hear it, then you may choose to pick up the telephone handset and speak to the caller before your caller finishes leaving a message.



1 Adjust the volume control.

If you want to talk to the caller during recording of the ICM, lift the telephone handset and talk.

The unit will automatically stop recording and be ready to answer the next phone call.



## How to Operate from a Remote Phone

On the following pages, we explain how to:

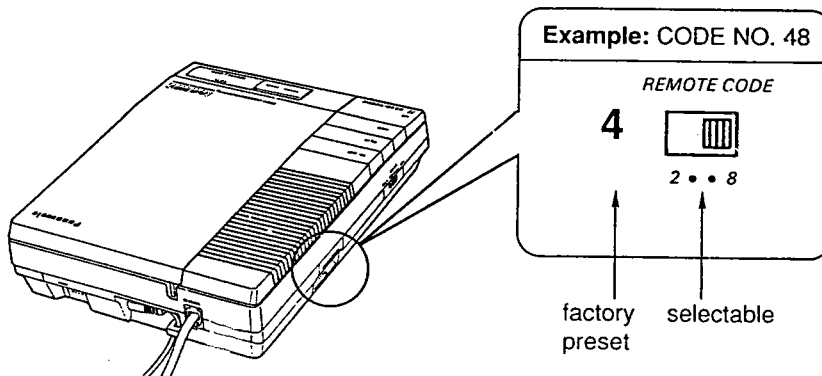
- SETTING THE REMOTE CODE
- PLAYING BACK MESSAGES
- PLAYING BACK NEWLY-RECORDED MESSAGES (MEMORY PLAYBACK)
- REWINDING/FAST FORWARDING TAPE WHILE HEARING THE MESSAGES
- RECORDING A MARKER MESSAGE
- RESETTING THE ICM TAPE FOR FUTURE MESSAGES
- MONITORING ROOM SOUND
- CHANGING THE OUTGOING MESSAGE
- SKIPPING THE OGM FOR ICM RECORDING
- SETTING/CANCELLING THE ANSWER MODE

### SETTING THE REMOTE CODE

To get remote access, you must set and remember your remote code number. The REMOTE CODE selector is found on the left side of your unit.

The REMOTE CODE number is made up of 2 digits, the first digit is factory preset, and the second digit is selectable.

The second digit for KX-T1450 will be either a "2" or an "8".





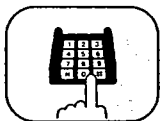
## How to Operate from a Remote Phone

---

### PLAYING BACK MESSAGES

---

You can listen to the recorded messages **by simply pushing your own code number.**



- 1 Call your unit, and push the **Code No.** (2 digits) during the OGM.
  - A beep will sound, then other beeps will sound to tell you the number of recorded messages, up to 8 times.
  - The unit will rewind the tape to the beginning. After a series of short beeps, you will hear all the messages on the tape.



- 2 Listen to the recorded messages.
  - 3 beeps will be heard after the last message.



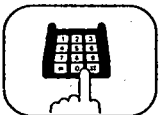
- 3 Hang up.
  - All calls will be saved automatically.

---

### PLAYING BACK NEWLY-RECORDED MESSAGES (MEMORY PLAYBACK)

---

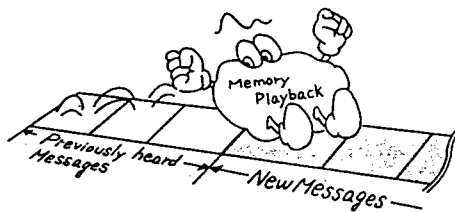
When you have already heard the messages from a remote phone, you can skip them and **listen to the newly-recorded messages.**



- 1 Call your unit, and push the **Code No.** during the OGM.



- 2 Push "4" right after you hear the beep tones indicating the number of the recorded messages.
  - The unit will play back the new messages.
  - Even during the playback of previously heard messages, you can skip them by pushing "4".

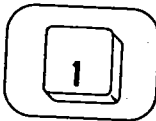






## REWINDING/FAST FORWARDING TAPE WHILE HEARING THE MESSAGES

### To Back Space

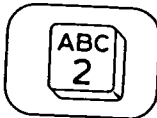


1

Push "1".

- The tape will be rewound for approximately 15 seconds corresponding to the playback time.

### To Skip Forward



1

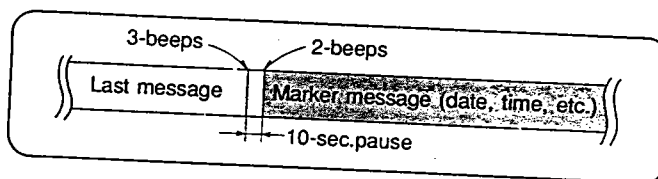
Push "2".

- The tape will be skipped forward for approximately 15 seconds corresponding to the playback time.

## RECORDING A MARKER MESSAGE

After reviewing all the messages, you can leave your index message on the tape. It can be heard by anyone retrieving messages.

- 1 Start to talk right after the last 2 beeps.
- 2 When recording is finished, hang up.

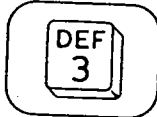




## How to Operate from a Remote Phone

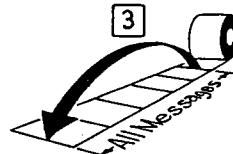
### RESETTING THE ICM TAPE FOR FUTURE MESSAGES

To record new Incoming Messages from the beginning of the tape, after the recorded messages are played back or while they are being played;



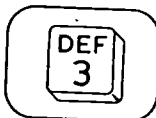
1 Push "3".

- The unit will rewind the tape to the beginning and a beep tone will be heard when the tape has been reset.



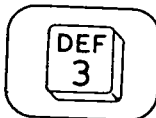
After all the messages have been played back.

#### If you have used Memory Playback



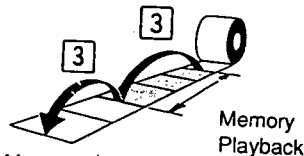
1 Push "3".

- The unit will rewind the tape to the beginning of the newly-recorded messages and a beep will be heard.



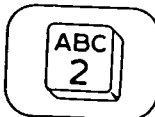
2 Push "3" again.

- A beep tone will be heard and the future messages will be recorded from the beginning of the ICM tape.



After you have used the Memory Playback.

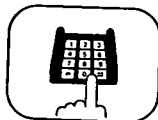
#### If you have reset the tape by mistake



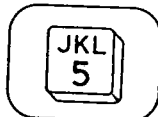
- 1 Push "2" after the tape has been reset (one-beep), then hang up.
  - The unit will advance the tape to the end of the recorded messages.

### MONITORING ROOM SOUND

You can screen any sound in the room where the unit is installed for 30 seconds.



- 1 Call your unit and push the **Code No.** during the OGM.



- 2 Push "5" right after you hear the beep tones indicating the number of the recorded messages.
  - You can listen for 30 seconds.
  - To listen further, push "5" again within 10 seconds of hearing one beep.



---

## CHANGING THE OUTGOING MESSAGE

---

You can re-record the Outgoing Message from a remote phone.



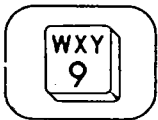
- 1 Call your unit, and push the **Code No.** during the OGM.



- 2 Push "7" right after you hear the beep tones indicating the number of recorded messages.  
•Short beeps will be heard continuously until the OGM tape has been reset, and then a long beep will be heard.



- 3 Speak clearly and loudly after you hear the long beep.



- 4 When recording is finished, push "9".  
•The new Outgoing Message will be played back. So you can check or amend it.

**NOTE:**

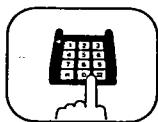
If you pause for over 2 seconds while recording, you will hear a series of warning tones (6 beeps). If this happens, push "7" within 10 seconds of hearing these beeps, and repeat from step 2 again.

---

## SKIPPING THE OGM FOR ICM RECORDING

---

If you or the caller does not want to hear the Outgoing Message, the unit can be switched promptly to the Incoming Message mode.



- 1 Call your unit.



- 2 Push "\*" during the OGM.



- 3 Speak clearly and loudly after you hear the long beep to record your Incoming Message.

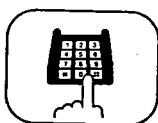


## How to Operate from a Remote Phone

### SETTING/CANCELLING THE ANSWER MODE

You can easily set or cancel the Answer mode from a remote phone.

#### To Set

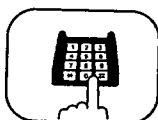


1 Call your unit.



2 Wait for **15 rings**.  
●OGM will be heard, then hang up.  
●The unit will be ready to answer the next phone call.

#### To Cancel



1 Call your unit, and push the **Code No.** (2 digits) during the OGM.



2 Push **"0"**.  
●The unit will not pick up any calls.





## Troubleshooting Guide

<i>Problem</i>	<i>Cause &amp; Remedy</i>
<ul style="list-style-type: none"> <li>•The unit does not work when I push any buttons.</li> <li>•I cannot remove the cassette from the unit.</li> </ul>	Plug in the AC adaptor then switch the power on.
The unit has been set to the Answer mode, but no Incoming Message is recorded.	<ul style="list-style-type: none"> <li>•The OGM or ICM cassette is cut or is not inserted. Replace the cassette with a new one.</li> <li>•The OGM is recorded improperly. Record a new OGM.</li> </ul>
The unit does not function. However, the beep sounds 6 times and the ANSWER/CALL indicator flashes on and off quickly.	<ul style="list-style-type: none"> <li>•OGM cassette might be broken. Replace it with a new one.</li> <li>•Clean the heads. (See page 21.)</li> </ul>
While recording an Outgoing Message, the beep sounds 6 times.	Re-record your Outgoing Message. Speak clearly and loudly, and do not pause for over 2 seconds while recording.
When the Outgoing Message or the Incoming Message tape is played back, the sound level is low, even if the VOLUME control is turned up fully.	•Clean the Heads. (See Maintenance instruction on page 21.)
I have played back all the recorded messages and I want to record the next phone call after the last previously recorded message.	<ul style="list-style-type: none"> <li>•Wait for 7 seconds. The unit will be ready to record the next phone call.</li> <li>•In case of the remote operation, just hang up.</li> </ul>
I push the button of a remote phone, but the unit does not respond.	<ul style="list-style-type: none"> <li>•Make sure that you are entering your correct Code number.</li> <li>•Record the Outgoing Message in a quiet place.</li> </ul>
Some Incoming Messages have not been recorded up to their end.	Set the CPC switch to "B". (See page 5.)
The ICM tape continues to run after a caller hangs up.	Set the recording time selector to "1 MIN".

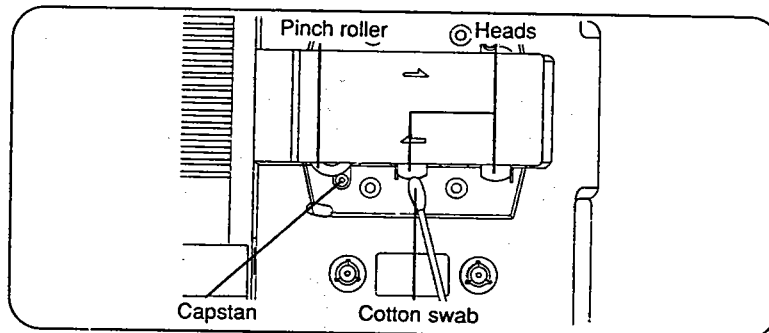


## Maintenance

Because the head and capstan assemblies are in contact with the tape, dirt and residue from the tape can easily adhere to these parts, causing distortion. These parts should be cleaned periodically in the manner described below.

- **Clean the head surface, pinch roller and capstan with a cotton swab.**

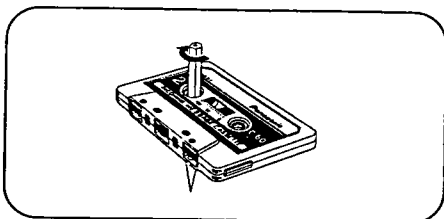
If these surfaces are extremely dirty, dampen the cotton swab with alcohol.



- Do not bring magnetic or metal objects, such as a screwdriver, near the head assemblies, as such objects could magnetize the heads.
- Do not oil any part of the unit.

## Cassette Tape

- For optimum sound quality and performance, we recommend that you **use side two after six months and replace the tape every year** assuming that the unit answers about ten calls a day.
- Should the cassette tape break or become worn, replace it with a high quality "NORMAL" tape. Use Panasonic (C30, C60, C90), TDK or MAXELL cassette tape. Metal or chrome tape cannot be used.
- Never place a cassette tape near a magnetic source, such as a magnet or a TV set, because it may erase the tape.
- Slack in the tape can be tightened by rotating the tape reel with a pencil, as shown.



- 2! -

### QUICK REFERENCE CARD FOR TONE REMOTE CONTROL

1	ABC 2	DEF 3
Back Space	Skip Forward	Reset
GHI 4	JKL 5	MNO 6
Memory Playback	Room Monitor	
PRS 7	TUV 8	WXY 9
OGM-REC		OGM Stop
*	OPER 0	#
OGMSkip	Turn Off	

■ To set to the Answer mode remotely

1. Dial the phone number.
2. Wait until 15 rings and hang up.

■ To turn off the unit remotely

1. Dial the phone number.
2. Push **Code No.** **Listen to a beep** **0** and then hang up.

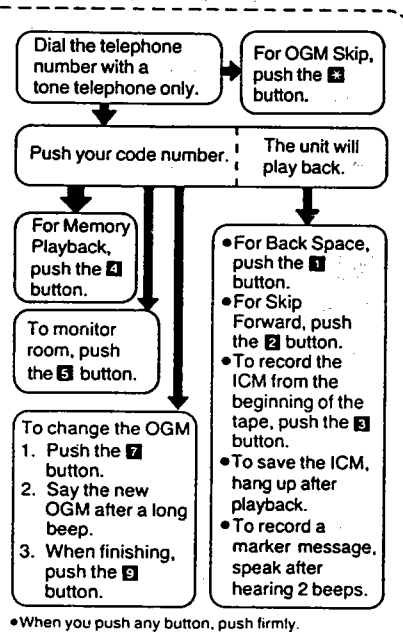


## Others

- If there is any trouble, disconnect the unit from the telephone line and connect a known working phone. If the known working phone operates properly, do not reconnect the unit to the telephone line until the trouble has been repaired. If the known working telephone does not operate properly, consult with your telephone company.
- Do not use benzine, thinner, or similar solvents. Do not use abrasive powder to clean the cabinet. Wipe it with a soft cloth.
- Keep the unit away from heating appliances and electrical noise generating devices such as fluorescent lamps, motors and television. These noise sources can interfere with the performance of the unit.
- The unit should be kept free of dust, moisture, high temperature and vibration, and should not be exposed to direct sunlight.
- Never attempt to insert wires, pins, etc. into the vents or other holes of this unit.

### WARNING:

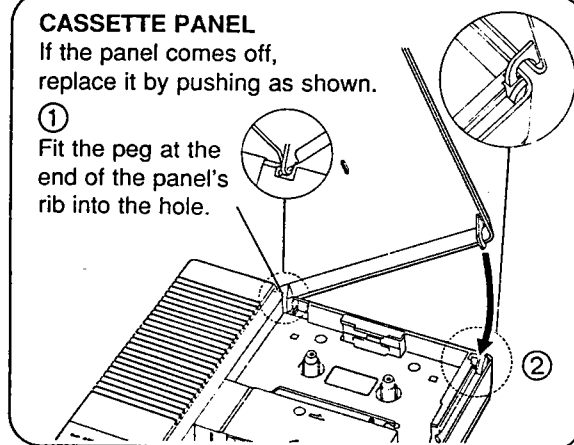
TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS PRODUCT TO RAIN OR ANY TYPE OF MOISTURE.



### CASSETTE PANEL

If the panel comes off, replace it by pushing as shown.

- ① Fit the peg at the end of the panel's rib into the hole.







**Matsushita Electric Industrial CO., Ltd**  
Central P.O. Box 288, Osaka 530-91, Japan

Printed in Japan