Panasonic

Automatic Telephone
Answering System
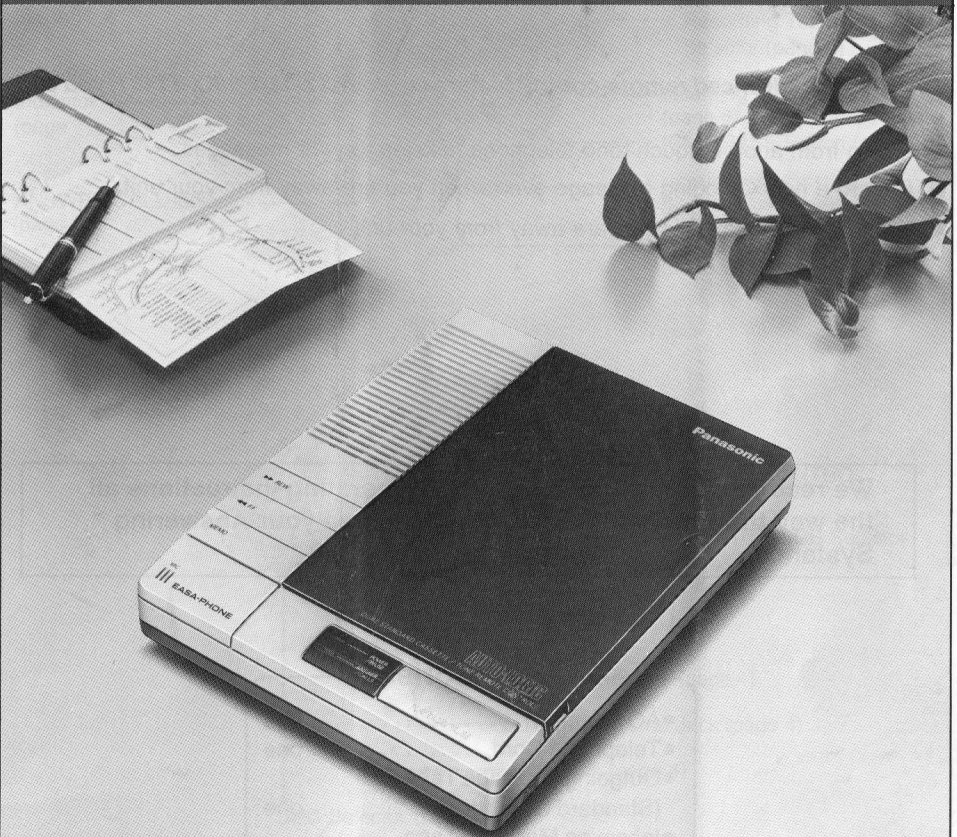
KX-T1450

MODEL NO. **KX-T1451**

EASA-PHONE

OPERATING INSTRUCTIONS

Please read before use.

La refrencia rápida en español puede ser
encontrada en las páginas 21~23.
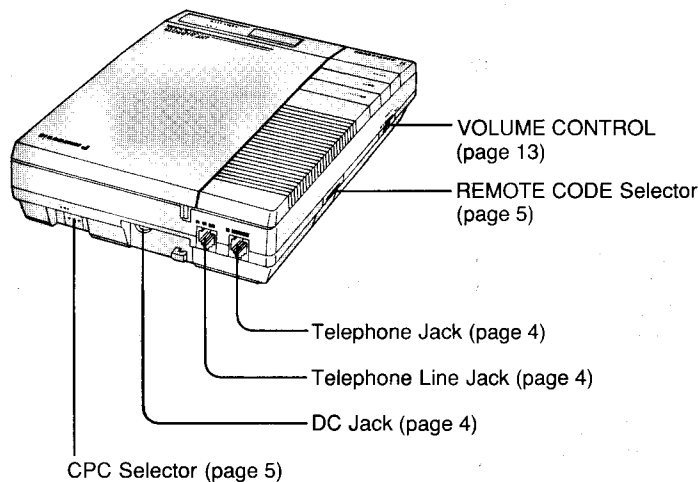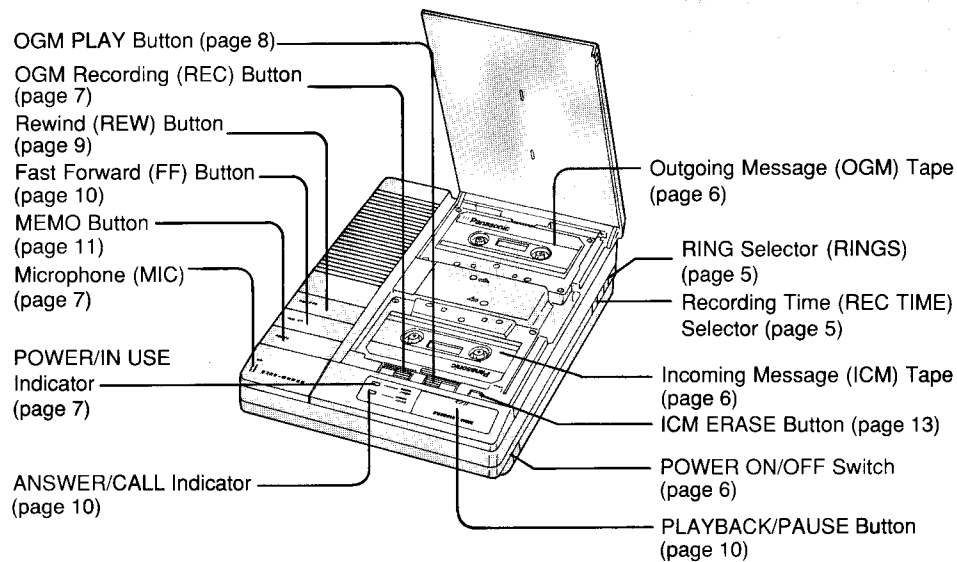(Spanish Quick Reference can be found
on pages 21~23.)

The unit in this picture is the
KX-T1450.

AUTO-LOGIC™

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Keep this overleaf unfolded while you are reading this Operating Instructions. This makes it easier to locate the controls and switches mentioned in the instructions.

Introduction

Thank you for purchasing the Panasonic Telephone Answering System.

You can use this Model KX-T1450/KX-T1451 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-T1450/KX-T1451, 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
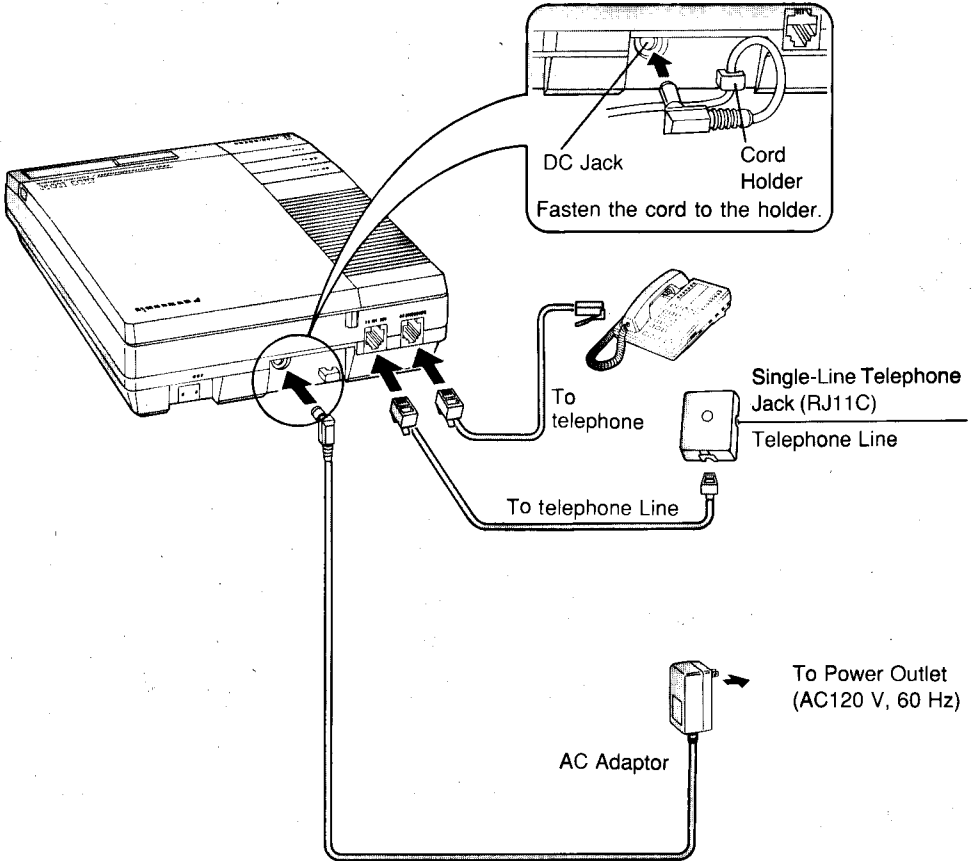
We recommend that you read these Operating Instructions all the way through before you set up and use your Answering System.

Accessories

● AC Adaptor . . . . one
● Telephone Cord . . . . one
● Outgoing Message Tape
  (Standard Cassette) . . . . one
● Incoming Message Tape
  (Standard Cassette) . . . . one

Preparation

CONNECTION

DC Jack   Cord Holder

Fasten the cord to the holder.

To telephone

Single-Line Telephone Jack (RJ11C)

Telephone Line

To telephone Line

To Power Outlet (AC120 V, 60 Hz)

AC Adaptor

> **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-A11.**
- 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
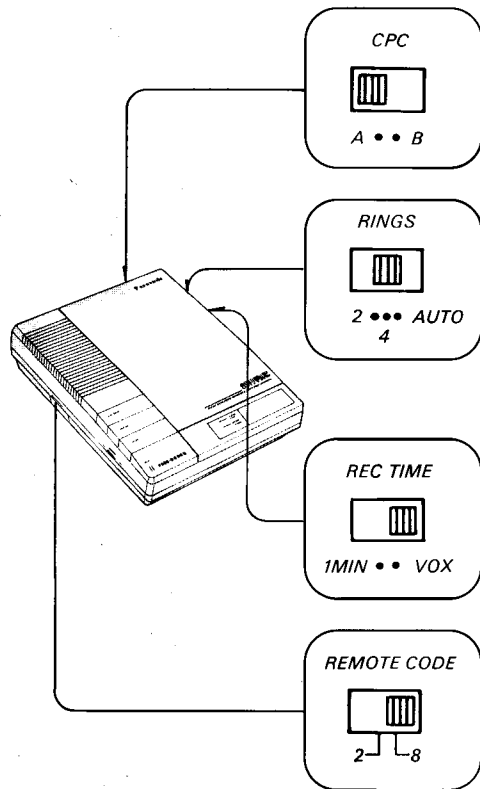
Calling Party Control (CPC) Setting
Set to "A". (no call waiting service line.)
If you have call waiting service or some Incoming Messages are interrupted, set to "B".

CPC

A ● ● B

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.

RINGS

2 ●●● AUTO
4

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

REC TIME

1MIN ● ● VOX

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.

REMOTE CODE

2 ⌐ ⌐ 8

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.

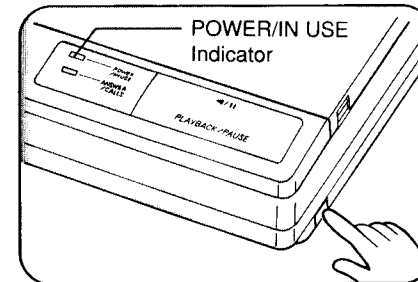## CASSETTE TAPE INSTALLATION

OGM tape

ICM tape

POWER/IN USE Indicator
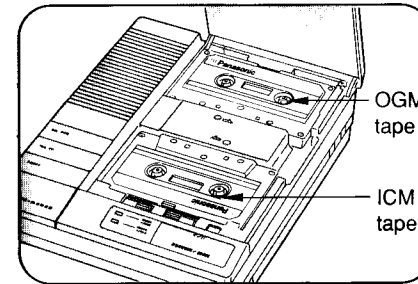
1 Open the panel, and insert the Outgoing Message (OGM) and Incoming Message (ICM) tapes as shown.

●Two cassette tapes are included. Use C15 for OGM and C60 for ICM.
●Do not use endless loop cassette tape.
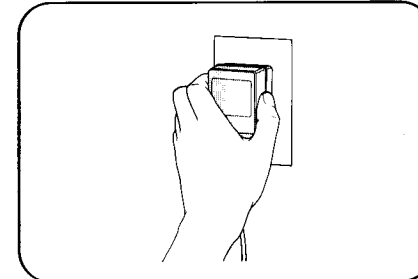
2 Connect the AC adaptor to the AC outlet.

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:**
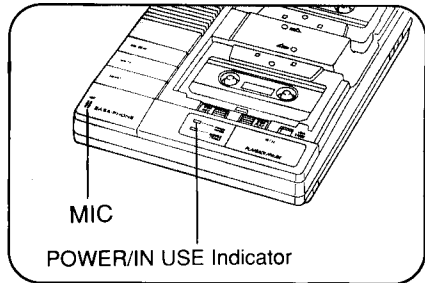Push **OGM PLAY** and **REW** simultaneously to reset the OGM tape.

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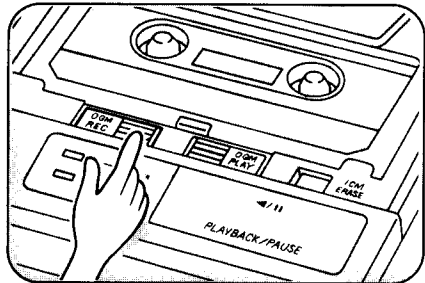
RECORDING THE OGM
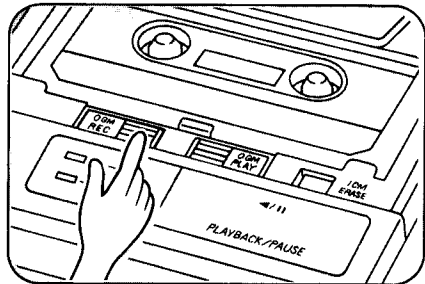
1 Push **OGM REC** until a long beep is
heard, then release it.

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.

MIC

POWER/IN USE Indicator

*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.*

CHECKING YOUR OGM

You can check your OGM at any time.
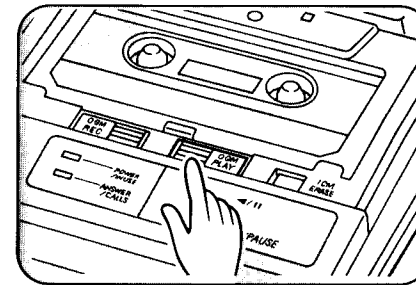
1 Push **OGM PLAY**.

● 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

POWER/IN USE Indicator
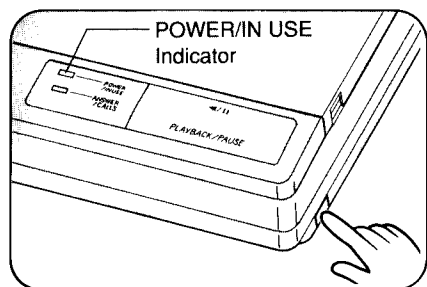
1 Push **POWER ON/OFF** to **ON**.

● 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;
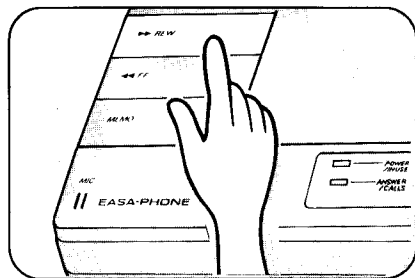
1 Push **REW**.

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
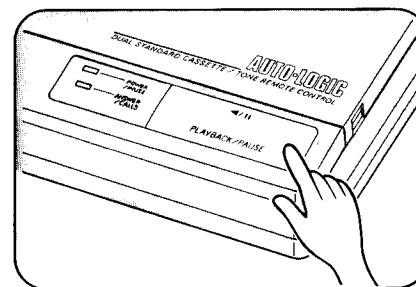
1 Push **PLAYBACK/PAUSE**.

● 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 ANSEWR/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.
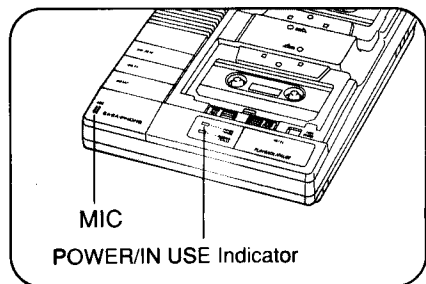
Other Features

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.
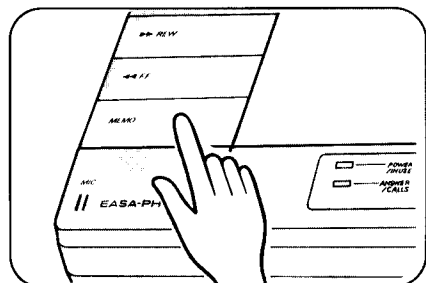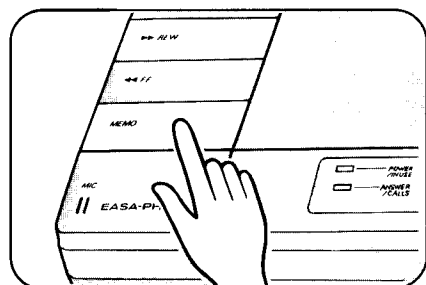

1 Push **MEMO** until a beep is heard.

MIC
POWER/IN USE Indicator

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.

NEXT CALL
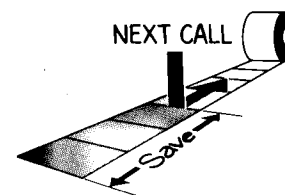
1 Play back the tape through the message you want to save.
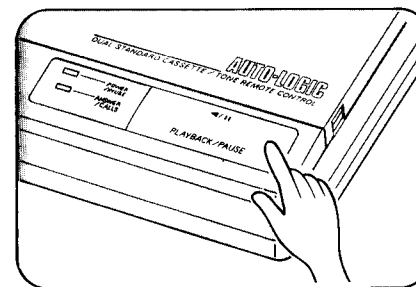
2 Push **PLAYBACK/PAUSE** to pause.

●The IN USE indicator will flash.
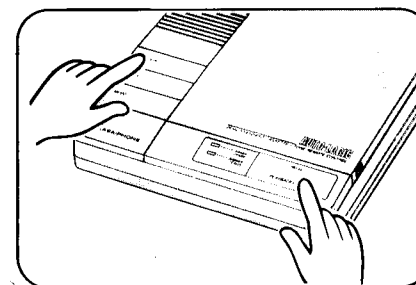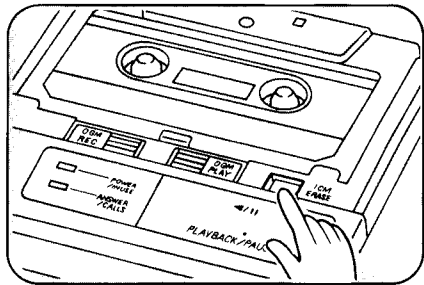

3 Push **PLAYBACK/PAUSE** and **REW** simultaneously.

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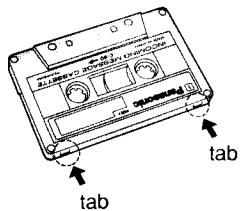●The ANSWER/CALL indicator will light.

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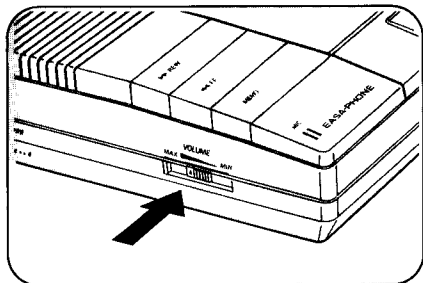
NOTE:
The tape can be erased even if the record-prevention (knock-out) **tabs** have been removed.

tab

tab

tab

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 number is made up of 2 digits, the first digit is factory preset, and the second digit is selectable. ("2" or "8")

REMOTE CODE
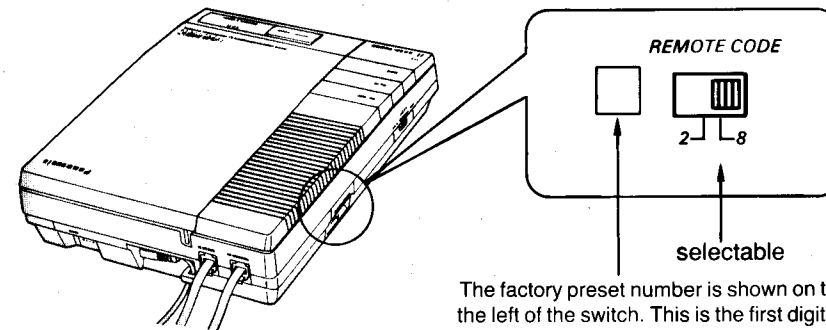
selectable

The factory preset number is shown on the label to the left of the switch. This is the first digit of your Remote Code number. The second digit is selectable (2 or 8).

EXAMPLE: If the factory preset number is "4", then your code number may be either "42" or "48", depending on the position of the selectable REMOTE code switch.

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.
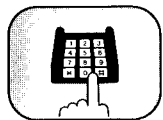●The unit will rewind the tape to the beginning. After a series of short beeps, you will hear all the messages on the tape.
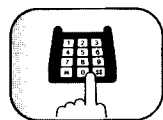
2 Listen to the recorded messages.
●3 beeps will be heard after the last message.

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**".
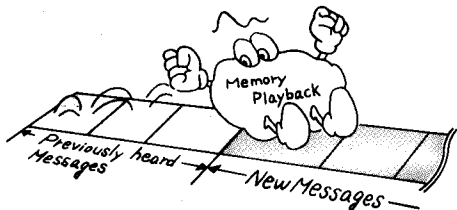
REWINDING/FAST FORWARDING TAPE WHILE HEARING THE MESSAGES

To Back Space
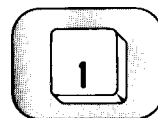
1 Push "**1**".
●The tape will be rewound for approximately 15 seconds corresponding to the playback time.

To Skip Forward
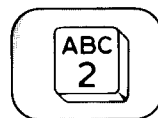
1 Push "**2**".
●The tape will be skipped forward for approximately 15 seconds corresponding to the playback time.

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.

```
        3-beeps          2-beeps
   ┌─────────────────┬──────────────────────────┐
   │  Last message   │ Marker message (date, time, etc.) │
   └─────────────────┴──────────────────────────┘
                    ──┤├──10-sec.pause
```
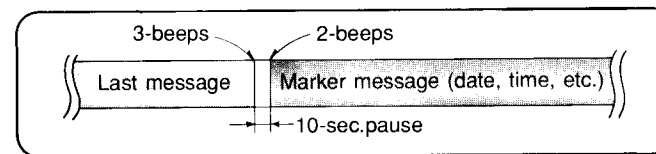
RESETTING THE ICM TAPE FOR FUTURE MESSAGES

To record new Incoming Messages from the beginning of the tape, after the recorded messages are played back or while they are being played;
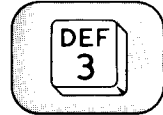
1 Push "**3**".
● The unit will rewind the tape to the beginning and a beep tone will be heard when the tape has been reset.
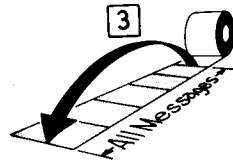
After all the messages have been played back.

If you have used Memory Playback
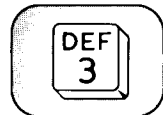
1 Push "**3**".
● The unit will rewind the tape to the beginning of **the newly-recorded messages** and a beep will be heard.
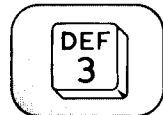
2 Push "**3**" again.
● A beep tone will be heard and the future messages will be recorded from the beginning of the ICM tape.
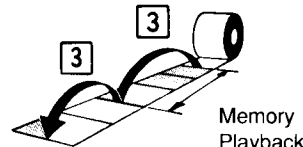
Memory Playback

After you have used the Memory Playback.

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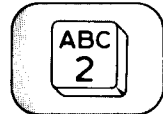
1 Push "**2**" after the tape has been reset (one-beep), then hang up.
● The unit will advance the tape to the end of the recorded messages.

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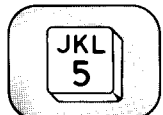
2 Push "**5**" right after you hear the beep tones indicating the number of the recorded messages.
● You can listen for 30 seconds.
● To listen further, push "5" again within 10 seconds of hearing one beep.

CHANGING THE OUTGOING MESSAGE

You can re-record the Outgoing Message from a remote phone.
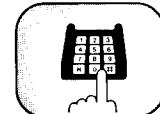
1 Call your unit, and push **the Code No.** during the OGM.

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.
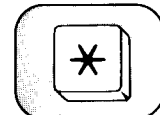
2 Push "✶" during the OGM.

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

SETTING/CANCELLING THE ANSWER MODE

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

To Set
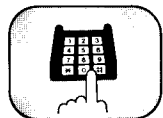
1 Call your unit.

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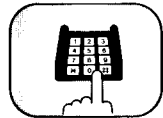
1 Call your unit, and push **the Code No.** (2 digits) during the OGM.

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

Troubleshooting Guide

Problem	Cause & Remedy
●The unit does not work when I push any buttons. ●I cannot remove the cassette from the unit.	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.	●The OGM or ICM cassette is cut or is not inserted. Replace the cassette with a new one. ●The OGM is recorded improperly. Record a new OGM.
The unit does not function. However, the beep sounds 6 times and the ANSWER/CALL indicator flashes on and off quickly.	●OGM cassette might be broken. Replace it with a new one. ●Clean the heads. (See page 24.)
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 24.)
I have played back all the recorded messages and I want to record the next phone call after the last previously recorded message.	●Wait for 7 seconds. The unit will be ready to record the next phone call. ●In case of the remote operation, just hang up.
I push the button of a remote phone, but the unit does not respond.	●Make sure that you are entering your correct Code number. ●Record the Outgoing Message in a quiet place.
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".

Referencia Rápida

Cinta del Mensaje de Entrada (ICM)

Cinta del Mensaje de Salida (OGM)

Botón de rebobinado (REW)

Botón de avance rápido (FF)

Botón de memorización (MEMO)

Micrófono

Botón ICM ERASE

Botón OGM REC

Conmutador de alimentación ON/OFF (ENCENDIDO/APAGADO)

Botón OGM PLAY

Botón de reproducción/pausa (PLAYBACK/PAUSE)
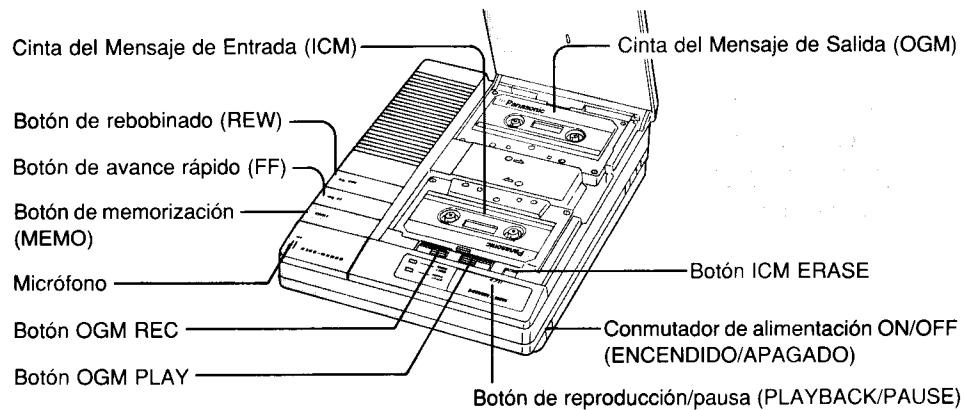
PUESTA DE LA CINTA DEL CASETE

1 Abra el panel e inserte las cintas OGM e ICM.

2 Conecte el adaptador de CA en el terminal de CA.

3 Coloque el conmutador **POWER ON/OFF** en la posición **ON**.

■ Cuando cambie la cinta OGM: presione los botones **OGM PLAY** y **REW** simultáneamente.

GRABACIÓN DEL MENSAJE DE SALIDA

1 Presione **OGM REC** hasta que se escuche un pitido largo, luego deje de presionarlo.

2 Hable con voz clara y firme por el MIC.
   ●El tiempo de grabación OGM varía según la duración de la cinta empleada.
   ●No haga pausas de más de 2 segundos mientras grabe.

3 Cuando acabe de hablar, presion el **OGM REC**.

VERIFICACIÓN DEL MENSAJE DE SALIDA

1 Presione el **OGM PLAY** para confirmar el mensaje de salida.
   ●La unidad reproducirá el Mensaje de Salida y luego rebobinará la cinta hasta el comienzo.
   ●La unidad cambiará automáticamente a la Modalidad de contestación después de 7 segundos de la reproducciób del MS.

PARA ESCUCHAR LOS MENSAJES

Cuando el teléfono suene, la unidad reproducirá el mensaje de salida (OGM) y luego grabará el mensaje de la persona que llama en la cinta.

1 Presione el **PLAYBACK/PAUSE** (Reproducción/Pause).

■ **Auto-Lógico (Función de un solo toque)**
   Un solo toque del botón PLAYBACK/PAUSE hace posible que la unidad reproduzca los mensajes y suene 3 pitidos después del último mensaje. Luego, después de diez segundos, la unidad rebobinará la cinta y estará lista para grabar nuevos mensajes desde el comienzo de la sección ICM de la cinta.

MEMORIZACIÓN DEL MENSAJE

Para grabar un mensaje que va a ser oído por alguien usando el control remoto.

1 Presione el **MEMO** hasta que suene un pitido.

2 Hable por el MIC.

3 Cuando termine, presione el **MEMO**.

MONITOREO DE LOS MENSAJES DE LLEGADA

Usted puede escuchar el mensaje de llegada mientras se esté grabando.

1 Ajuste el control de volumen.
   ●Si desea hablar a la persona que llama durante la grabación del mensaje, levante el microteléfono y hable.

ALMACENAMIENTO DEL MENSAJE GRABADO

1 Reproduzca la cinta hasta el mensaje que desee alcamenar.

2 Presione el **PLAYBACK/PAUSE** para hacer una pausa.
   ●El indicador IN USE destellará.

3 Presione el **PLAYBACK/PAUSE** y **REW** simultáneamente.
   ●El indicador IN USE dejará de destellar.

BORRADO DE LOS MENSAJES GRABADOS

1 Presione **ICM ERASE**.
   ●La unidad rebobinará la cinta y a la vez, la unidad borrará los mensajes previos. Los nuevos mensajes serán grabados desde el comienzo de la cinta.

PARA ESCUCHAR MENSAJES DESDE OTRO TELEFONO A DISTANCIA

No. de código es de dos dígitos.

El primer digito es preajustado en la fábrica y el segundo lo seleccionar Ud.

REMOTE CODE

pre-ajustado

seleccionable
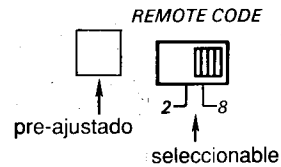
Control Remoto del Tono

1 Marque el número de teléfono con sólo un tono telefónico.

2 Cuando empiece el mensaje de salida, presione el número de código (2 dígitos) firmemente y sonará otro pitido.
 ● Sonará un pitido para decirle el número de mensajes grabados.
 ● El contestador rebobinará la cinta de los mensajes de salida y los reproducirá.
 ● Después de haberse reproducido el último mensaje, sonará 3 pitidos.

3 Cuelgue el microteléfono.
 ● El mensaje siguiente se grabará después del último mensaje.
 ● Para grabar el mensaje de llegada (ICM) desde el comienzo de la cinta, pulse el botón "3" y cuelgue el teléfono.

■ **Retroceso:**
 Presione el botón "1" para rebobinar unos 15 segundos de la cinta y reproducirla.

■ **Avance por salto:**
 Presione el botón "2" para hacer que la cinta avance unos 15 segundos y para reproducirla.

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.

Pinch roller   Heads

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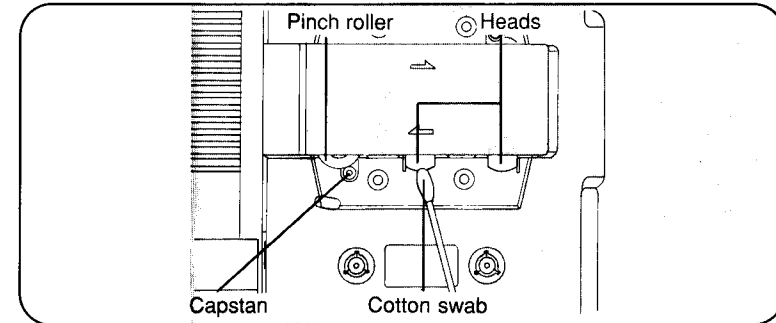
● Do not bring magnetic or metal objects, such as a screwdriver, near the head assemblies, as such objects could magnetize the heads.
● Do not oil any part of the unit.

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.
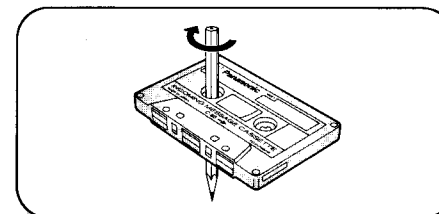
QUICK REFERENCE CARD
FOR TONE REMOTE CONTROL

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	
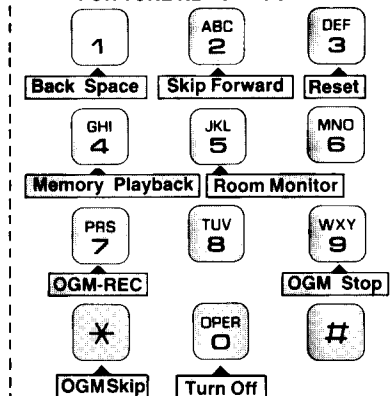
■ To set to the Answer mode remotely
1. Dial the phone number.
2. Wait until 15 rings and hang up.
■ To turn off the unit remotely
1. Dial the phone number.
2. Push Code No. Listen to a beep 0 and then hang up.

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, have your Panasonic unit repaired by one of the specified Panasonic Factory Service Centers. 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.
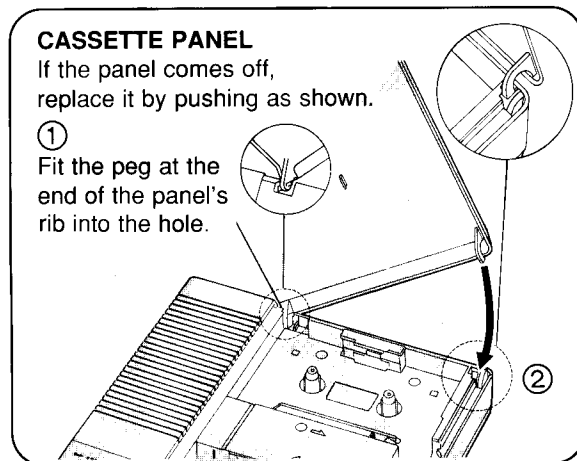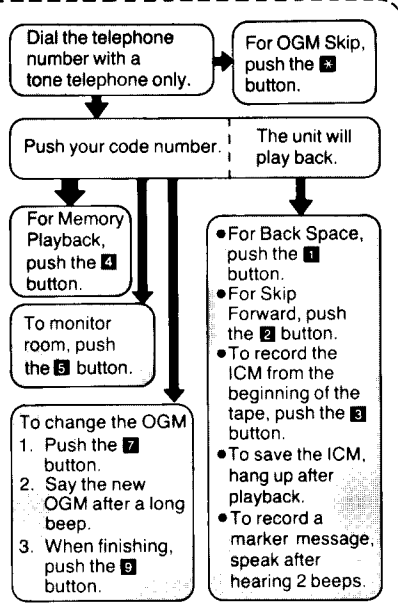- The unit should be kept free of dust, moisture, high temperature and vibration, and should not be exposed to direct sunlight.
- Never attempt to insert wires, pins, etc. into the vents or other holes of this unit.

Accessory Order Information

- Replacement parts and accessories are available through your local authorized parts distributor.
- For accessory order, call toll free 1-800-332-5368.

Part No.	Description	Comment
KX-C300	OGM Tape	
KX-C600	ICM Tape	

Dial the telephone number with a tone telephone only.

For OGM Skip, push the ✱ button.

Push your code number.

The unit will play back.

For Memory Playback, push the ❹ button.

- For Back Space, push the ❶ button.
- For Skip Forward, push the ❷ button.
- To record the ICM from the beginning of the tape, push the ❸ button.
- To save the ICM, hang up after playback.
- To record a marker message, speak after hearing 2 beeps.

To monitor room, push the ❺ button.

To change the OGM
1. Push the ❼ button.
2. Say the new OGM after a long beep.
3. When finishing, push the ❾ button.

- When you push any button, push firmly.

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.

②

Important Information

If requested by the Telephone Company, inform them as follows:
- FCC Registration No. . . . . (found on the bottom of the unit)
- Ringer Equivalence 0.4B
- The particular telephone line to which the equipment is connected.

In the event 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 F.C.C. 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.

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 F.C.C. 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.

Ringer Equivalence No. (REN):
The 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 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.

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