Panasonic

INTEGRATED TELEPHONE SYSTEM

EASA-PHONE®

MODEL NO. KX-T2315

OPERATING INSTRUCTIONS

Please read before use

La referencia rápida en español
puede ser encontrada en las páginas 21 ~ 23
(Spanish Quick Refenence can be found on page 21 ~ 23.)

Features

Thank you for purchasing the Panasonic Telephone. The KX-T2315 features include:

■ **Local Mode**

The unit can be set to prohibit the user from making long-distance and overseas calls.

■ **Built-in Speakerphone**

to converse "hands-free" or have conference calls.

■ **One-Touch/Speed Dialing**

for up to 20 16-digit telephone numbers plus 8 one-touch automatic dialing buttons.

■ **Switchable Tone/Pulse Settings**

for compatibility with tone-actuated computer systems and any phone line.

■ **One-Touch Tone Switching**

lets you temporarily switch to tone from pulse mode by pressing a button.

I

■ Electronic Hold

to hold your calling party --- can be released just by lifting the handset of the unit or any extension.

■ Timed Flash (700 ms) Memory

for automatic dialing and special telephone company services, such as call waiting.

■ On-Hook Dialing

Monitor speaker lets you dial without lifting the handset.

II

Precautions

Before using this unit, please read these operating instructions carefully.
Take special care to follow the warning indicated on the unit itself as well as the safety suggestions listed below.

Installations

Environment

1) Water and Moisture: Do not use this unit near water – for example, near a bath tub, washbowl, swimming pool, or the like. Damp basements should also be avoided.

2) Heat: The unit should be situated away from heat sources such as radiators and the like. It also should not be placed in temperatures less than 41°F (5°C) or greater than 104°F (40°C).

Placement

1) Foreign Material: Care should be taken so that objects do not fall into and liquids are not spilled into the unit. Do not subject this unit to excessive smoke, dust, mechanical vibration, or shock.

2) Magnetism: The unit should be situated away from equipment or devices that generate a strong magnetic field.

3) Stacking: Do not place heavy objects on top of this unit.

4) Surface: Place the unit on a flat level surface.

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 phone repaired by one of the specified Panasonic Factory Service Centers. If the known working telephone does not operate properly, consult with your telephone company.

Important Information

If requested by the Telephone Company, inform them as follows:
- FCC Registration No. . . . . (found on the bottom of the unit)
- Ringer Equivalence . . . . 1.0 B
- 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 opprtunity 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 F.C.C. 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.

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

This telephone provides magnetic coupling to hearing aids

CAUTION:
To assure continued compliance with FCC rules, do not make any unauthorized modifications.
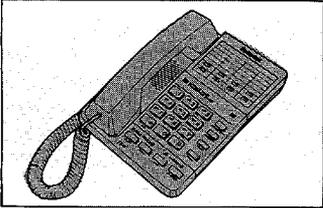
"This equipment has been tested and found to comply with the limits for a Class B computing device in accordance with the specifications set forth in Subpart J or Part 15 of the FCC Rules. If this equipment does cause interference to radio or television reception which can be determined by turning the equipment on and off, use the equipment in another location and/or utilize an electrical outlet different from that used by the receiver."

Ringer Equivalence No. (REN):
The REN is useful to determine 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.
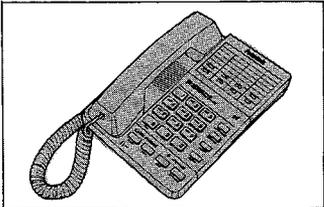
Contents

Preparation

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General

V

Preparation
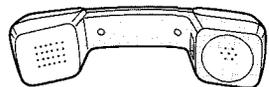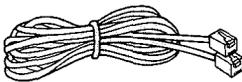
Operation

General

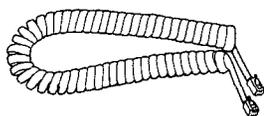# Location of controls and jack

## Included accessories:

Telephone line cord ... One

Handset ... One

① **Direct Call Button** : They are used to store telephone numbers and to make call by one-touch dialing.

② **Memory Card** : You can also use the reverse side for writing. The instructions for storing numbers into memory and dialing are printed on the Memory Card.

③ **Flash Button** : It is used to access some of the features of your host PBX, and your telephone company.

④ **Mute Button** : It is used when you do not want your voice to be heard by the other party. The voice of the calling party will still be heard.

⑤ **Hold Button** : It is used to put the calling party on hold during a conversation.

⑥ **Auto/Store Button** : It is used to store and dial telephone numbers in speed dialing mode.

⑦ **Program Button** : It is used to program telephone numbers in the memory.

⑧ **Pause Button** : It is used to pause the dialing process.

⑨ **Redial Button** : It is used to redial the last dialed telephone number.

⑩ **SP-PHONE Button and Indicator** : It is used for on-hook dialing and hands-free operation. When this feature is being used, the indicator lights.

⑪ **Mute/Store Indicator** : Lights up when the MUTE or PROGRAM button is pressed.

⑫ **Telephone Line Jack**

Handset cord ... One   AA size batteries ... Three

2

Connection

Handset

Handset Cord

Modular Jack for
single line (RJ11C)

Single Telephone Line
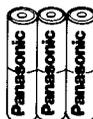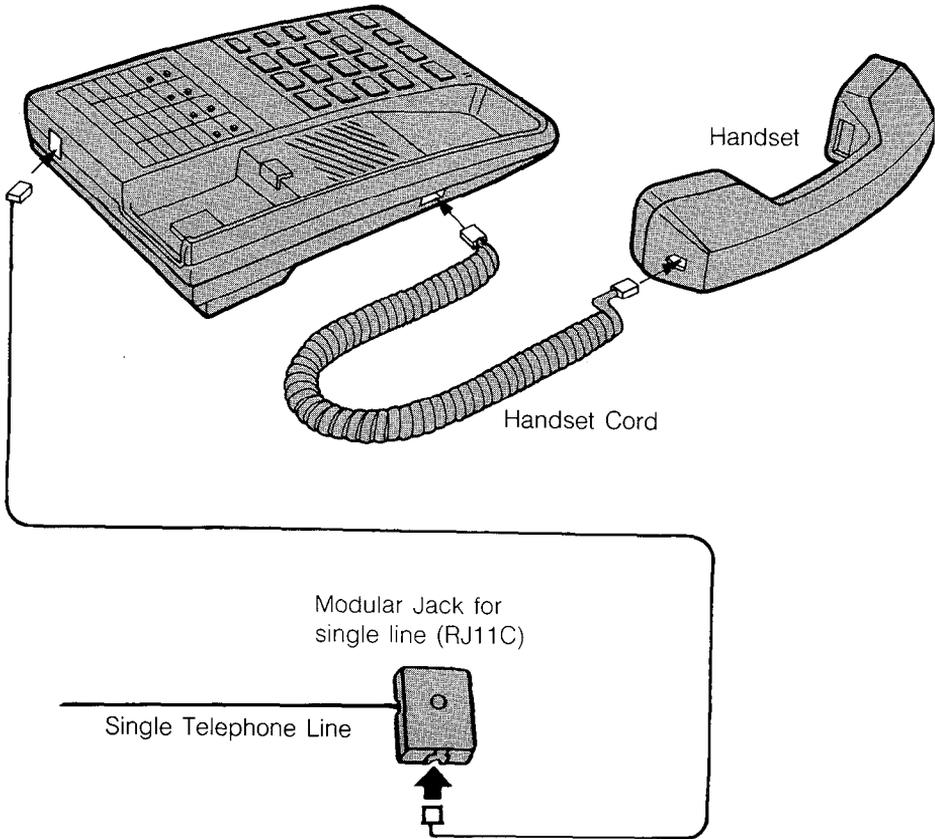
■ This unit may not be connected to a coin operated line. If you are on a party
line, check with your local telephone company.

■ Do not use any handset other than Panasonic handset made for the model
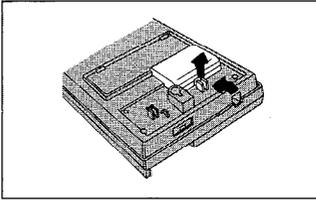KX-T2310/KX-T2315.

Battery Installation

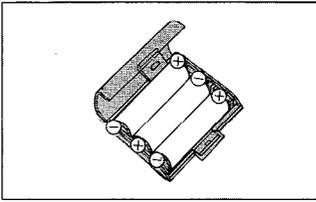Three AA size batteries (UM-3) serve as the power source to retain the stored telephone numbers in memory.
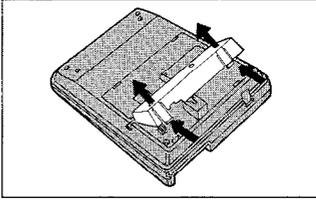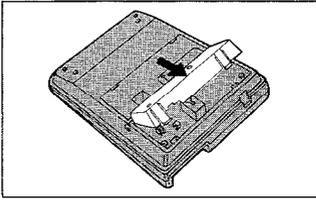
1 Remove the wall mount adaptor.

2 Open the battery compartment cover.

3 Insert the three AA size batteries observing the correct polarity.

4 Replace the adaptor.

NOTE:

■ To prevent loss of the stored telephone numbers, replace the batteries within 10 minutes after removing the old ones.

■ Disconnect the telephone cord before opening the battery compartment cover.

■ Replace all the batteries once a year, or misoperation may occur.

■ Do not use Nickel-Cadmium batteries.

BATTERY PRECAUTIONS: The batteries should be used correctly, otherwise, the unit may be damaged due to battery leakage.

■ Do not mix different types of batteries.

■ Do not charge, short-circuit, disassemble, heat or dispose in fire.

■ Remove all the batteries when replacing.

4

5

1

DIALING MODE

PULSE ● ● TONE
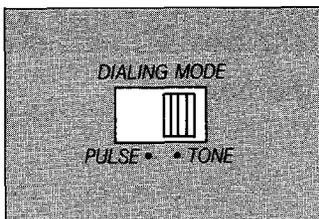
Dialing Mode Selector
Set to "Tone".

If dialing can not be done, set to "PULSE".

2

RINGER

OFF ● ● ● HIGH
LOW
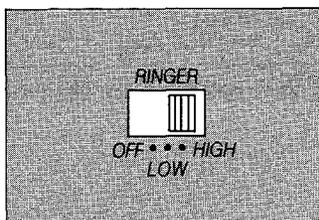
Ringer Volume Selector
Set to "HIGH".

LOW: The ringing sound will be low.
OFF: The telephone will not ring.

3

LOCAL CALL ONLY

● OFF
● ON
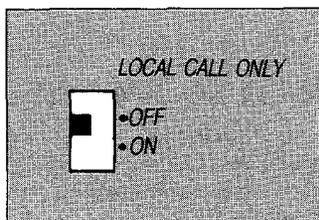
Local Call Only Switch

OFF: Local and long distance calls can be made.
ON : The manual or automatic dialing operation of a number with more than 7 digits is not possible.

Memory Card

Use a pencil or a ball-point pen to fill in the station directory with station name. (You can use the reverse side for writing, too.)

● Remove the cover using an instrument with a pointed end, like a pen.

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Making and Receiving Calls
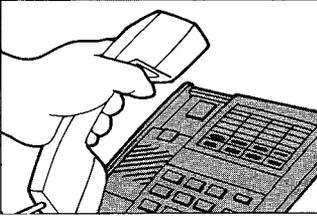
1 Lift the handset.

2 Dial the telephone number.

3 Speak to the other party.
- You can switch to the speakerphone at anytime by pressing the SP-PHONE button. You can replace the handset on the cradle.
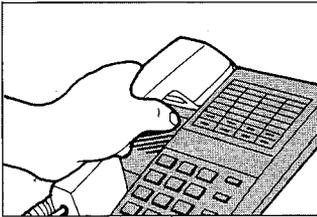
4 Hang up when finished.

Operation

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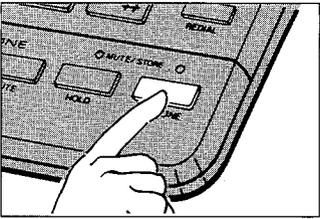
1 Press the SP-PHONE button.

● The SP-PHONE indicator lights.
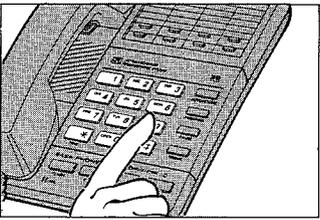
2 Dial the telephone number.
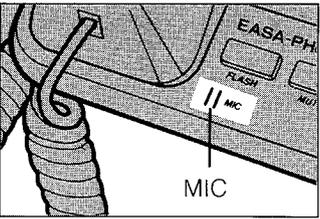
3 Speak to the other party.

● You can also switch to the handset at anytime by lifting the handset.

MIC
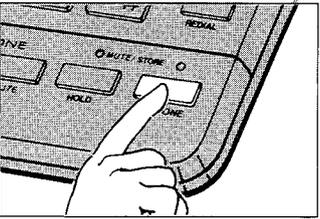
4 When finished, Press the SP-PHONE button again.

● The SP-PHONE indicator light goes out.

Operation

Helpful Hints for Hands-free

■ **When the other party finds it difficult to hear your voice:**

Lower the sound level using the Speaker Volume Control or speak louder.

■ **Absorbing echoes:**

Use in a room which has curtains or carpeting.

■ **To avoid lost or broken conversation:**

If you and caller speak at the same time, parts of your conversation will be lost. To avoid this, speak alternately.

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Making and Receiving Calls (cont.)

Receiving

1

Lift the handset.

or
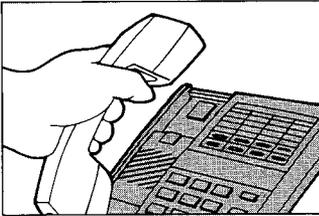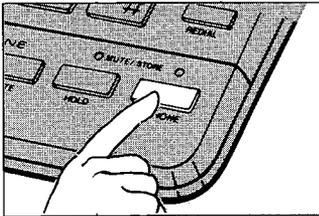
Press the SP-PHONE button.

2

Speak to the calling party.

or

MIC
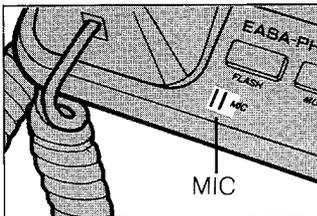
Redialing
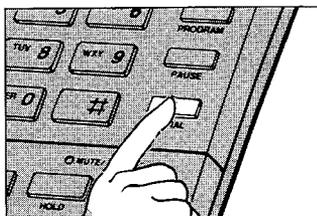
Press the REDIAL button when the line is busy.

● Pressing the REDIAL button enables you to redial once.

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Storing Phone Numbers

■ There are 20 memory stations, each station is capable of storing 16 digits.
■ There are 8 Direct Call buttons, each capable of storing 16 digits.
Each Dialing button serves as a memory station.

Be sure that the handset is on the cradle and the SP-PHONE indicator is off and the batteries are installed.

■ Home Use

Speed Dialing

1 Press the PROGRAM button until the STORE indicator lights.
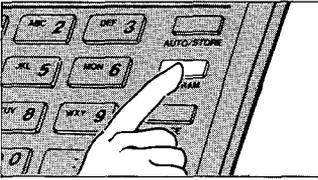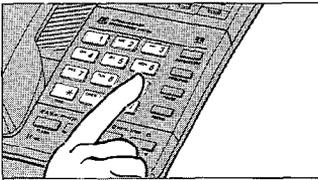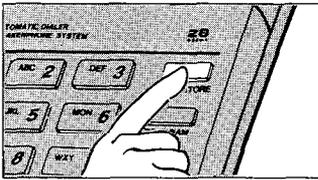
2 Press the Station number.
● Phone numbers can be stored into memory stations $\boxed{0}$ $\boxed{1}$ to $\boxed{2}$ $\boxed{0}$ following the same procedure.

3 Dial the telephone number.
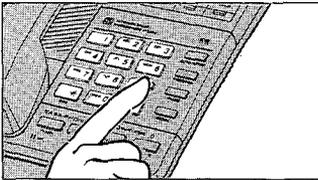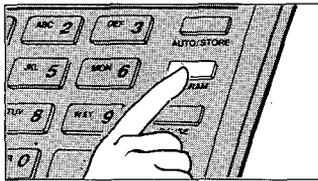
4 Press the AUTO/STORE button to store the number into memory.

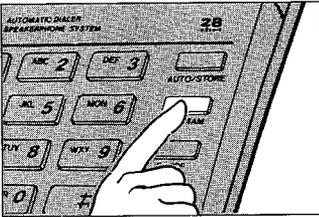**5** After storing all the numbers, press the PROGRAM button.
● The STORE indicator goes out.

Operation
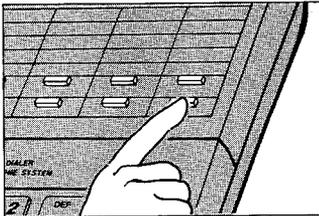
10

Storing Phone Numbers (cont.)
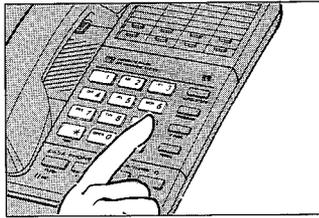
■ Home Use

One-touch Dialing

1 Press the PROGRAM button until the STORE indicator lights.
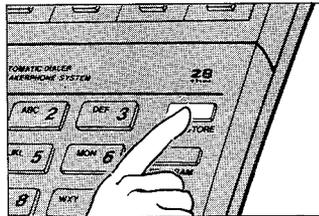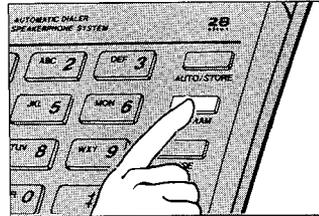
2 Press the Direct Call button.

3 Dial the telephone number.

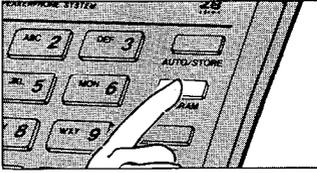**4** Press the AUTO/STORE button to store the number into memory.

5 After storing all the numbers, press the PROGRAM button.
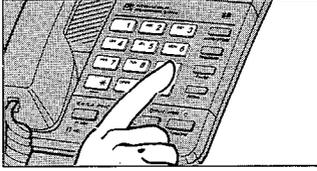
● The STORE indicator goes out.

11

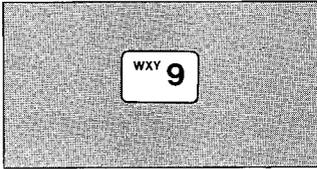**1** Press the PROGRAM button until the STORE indicator lights.

2 Press the Station number.

● You may use the Direct call button instead of pressing the station number.
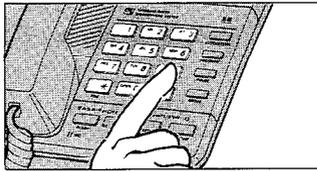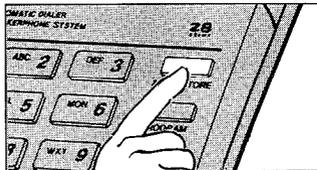
3 Enter Line access number for an example 9.

4 Press the PAUSE button.

5 Dial the telephone number.
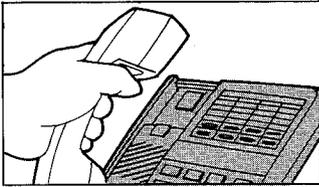
6 Press the AUTO/STORE button.

7 After storing all the numbers, press the PROGRAM button.

● The STORE indicator goes out.

Operation
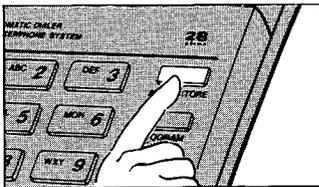
12

Automatic Dialing

1 Lift the handset, or press the SP-PHONE button.
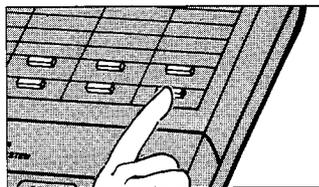
2

Speed Dialing

Press the AUTO/STORE button.

Press the Station number. (01 to 20)

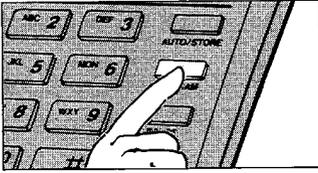or

One-touch Dialing

Press the Direct Call button.

3 Speak to the other party.

■ To change a stored number, repeat the steps of "Storing Phone numbers".
■ If the batteries are not installed, programming and speakerphone operation can not be done.

Operation

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Press the PROGRAM button if you notice an error.
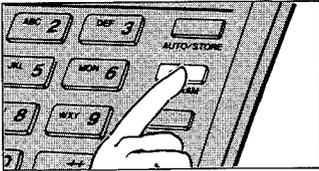
● Repeat all the steps of "Storing Phone Numbers" on the page 10 to reprogram.

Example: To erase the number in memory station [0] [2] :

Be sure that the handset is on the cradle and the SP-PHONE indicator is off and the batteries are installed.

1 Press the PROGRAM button until the STORE indicator lights.

2 Press the Station number [0] [2].

3 Press the AUTO/STORE button.

4 Press the PROGRAM button.

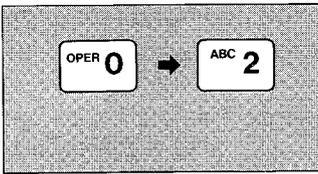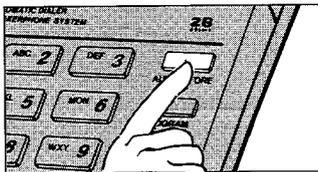● The STORE indicator goes out.

Operation

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Automatic Dialing (cont.)

Be sure that the handset is on the cradle and the SP-PHONE indicator is off and the batteries are installed.

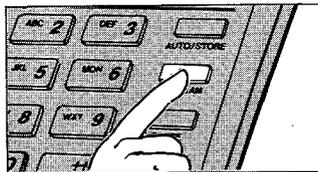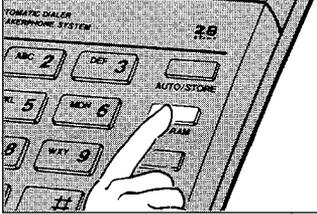1. Press the PROGRAM button until the STORE indicator lights.
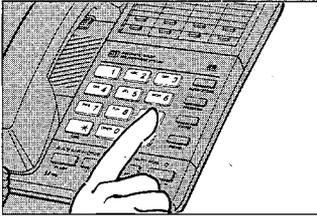
2. Repeat storing the same number into the same station.
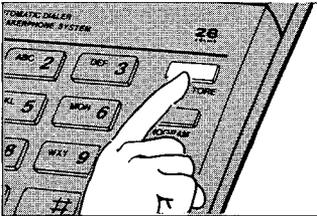
3. Press the AUTO/STORE button.
   • The STORE indicator.

   Blinks once: The entry is the same as what was previously stored.

   Lights: The entry is different from the one that was previously stored.

15

Other Features

Mute Operation

The MUTE button is useful when you do not want your voice or conversation to be heard by the other party.
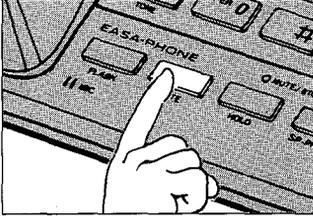
1 **Press the MUTE button.**

● The MUTE indicator lights.

2 **To resume the conversation, press the MUTE button again.**

● The MUTE indicator goes out.

Operation

Tone Button Usage

If you want to change from pulse mode into tone mode during dialing, the TONE button can be used instead of changing the Dialing Mode selector.

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Hold

Placing a Call on Hold

The HOLD button is useful to keep a call on hold while having a conversation.
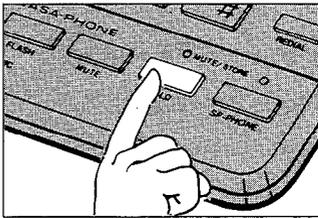
Press the HOLD button while in conversation.

- The HOLD indicator blinks slowly.
- You can replace the handset on to the cradle.
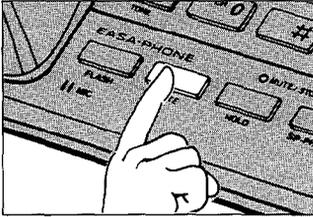
Releasing a Hold

■ If the handset is off-hook:
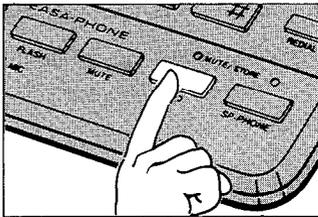
Press the HOLD button and start speaking.

■ If the handset is on the cradle:

Lift the handset or press the SP-PHONE button and start speaking.

■ When using another telephone connected on the same line:

Lift the handset of the other telephone.

If the hold is not released, press the hook switch of the other telephone for about one second.

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Special Phone Company Services

The FLASH button can be used for CALL WAITING.
For more details please see the brochure issued by your telephone company.

Call Waiting

1 While having a conversation, another party calls and a call waiting tone is heard.

2

Press the FLASH button once.
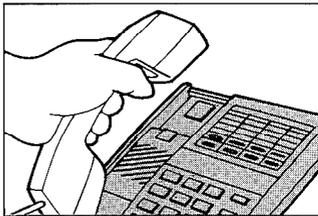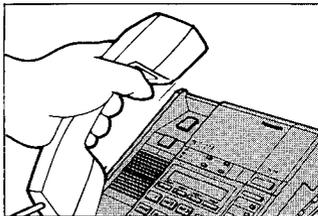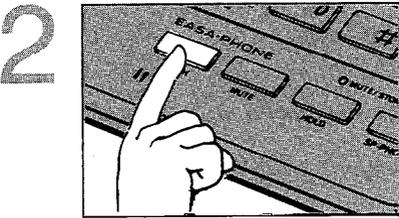
- The first conversation is placed on hold and the second call can be answered.

3
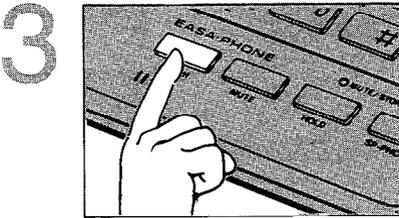
Press the FLASH button once again.

- The first caller can be answered again and the second call is placed on hold.

- If the calling party on hold hangs up, the line is terminated.

■ You may access some features of your PBX using the FLASH button instead of the hookswitch.
Press the FLASH button once in the dialing operation. The "Flash" can be stored into memory in the same way as "Storing Phone Numbers" on page 10. The memory station can be programmed to automatically access features of your host PBX. Press the FLASH button once at the position where the hookswitch operation is required in a dialing operation.

An Outside Line or a Computer Accessed Line

The PAUSE function in the dial operation is helpful when accessing an outside line or a Computer-Accessed long distance service.
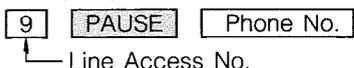If you press the PAUSE button, you can dial the telephone number without waiting for the line access or the computer tone.

■ One pause is required when waiting for an outside dial tone.
Example (PBX):

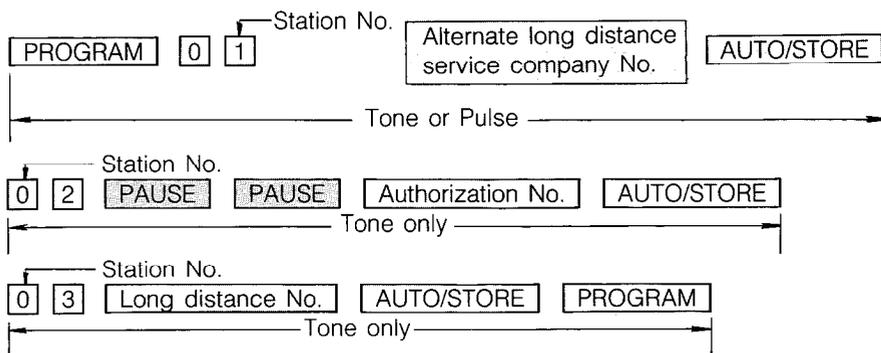| 9 | PAUSE | Phone No. |

└── Line Access No.

Some PBXs require the "PAUSE" during the redial.

■ Two pauses are required when waiting for a computer access tone.
Example (For MCI, SPRINT, etc.):
Storing telephone numbers into memory stations [0] [1], [0] [2] and [0] [3].

```
                    ┌─Station No.     ┌────────────────────┐
| PROGRAM | [0] [1]                   | Alternate long distance |   | AUTO/STORE |
                                      | service company No.  |
|─────────────────────────── Tone or Pulse ───────────────────────────|
```

```
     ┌──── Station No.
| 0 | 2 | PAUSE | PAUSE | Authorization No. | AUTO/STORE |
|─────────────────────── Tone only ───────────────────────|
```

```
     ┌──── Station No.
| 0 | 3 | Long distance No. | AUTO/STORE | PROGRAM |
|─────────────────── Tone only ───────────────────|
```

● 2 or 3 memory stations are required, as one memory cannot store over 16 digits.
● Pressing the PAUSE button once counts as 1 digit.
● Pressing the TONE button counts as 1 digit.
  (Refer to "Tone Button Usage" on page 16.)

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Troubleshooting Guide

Problem	Cause & Remedy
The unit does not ring.	Ringer Volume Selector is set to "OFF". Set to "HIGH" or "LOW".
• The caller suddenly can not hear my voice during a conversation. • I suddenly can not hear caller's voice during a conversation.	Look at the STORE indicator. If it is blinking slowly, press the HOLD button to resume the conversation.
Redialing or Programming Operation does not function.	Batteries may have become weak. Replace all the batteries.
Hands-free operation does not function after pressing the SP-PHONE button.	

Operation

Accessory Order Information

Replacement parts and accessories are available through your local authorized parts distributor.
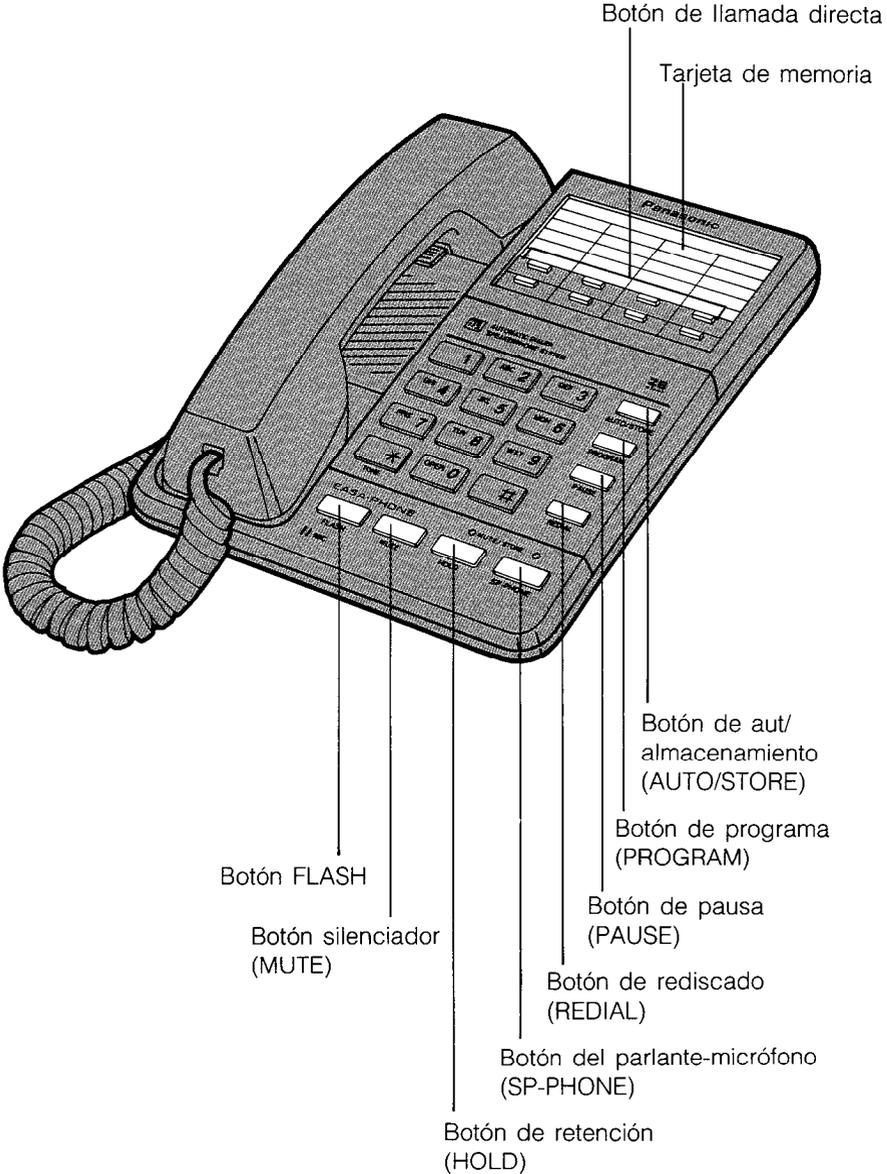For the authorized distributors in your area, call toll free: 1-800-447-4700

Part No.	Description	Comment
KX-J10WT	Handset cord (W: white color)	10 feet
KX-J15WT		15 feet
KX-J25WT		25 feet

Referencia rápida

Localización de los controles

Botón de llamada directa

Tarjeta de memoria

Botón de aut/
almacenamiento
(AUTO/STORE)

Botón de programa
(PROGRAM)

Botón FLASH

Botón de pausa
(PAUSE)

Botón silenciador
(MUTE)

Botón de rediscado
(REDIAL)

Botón del parlante-micrófono
(SP-PHONE)

Botón de retención
(HOLD)

Conexión

Microteléfono

Cordón de microteléfono

Toma modular para
linea única (RJ11C)

Unica linea telefónica
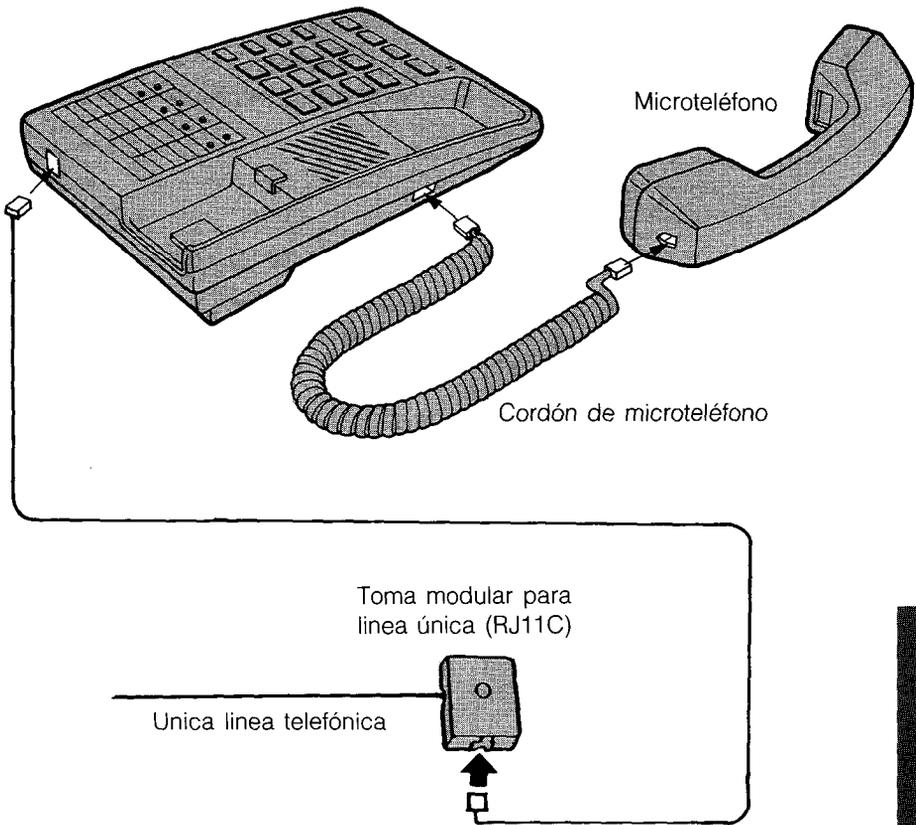
■ Esta unidad no puede conectarse a una linea operada con monedas. Si Vd.
   está en una linea de usuario, compruebe con su compañia telefónica local.
■ No utilice ningún microteléfono diferente del microteléfono Panasonic hecho
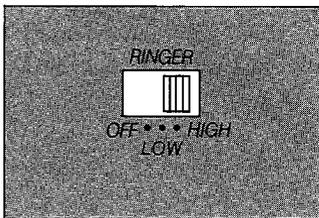   para el modelo KX-T2310/KX-T2315.

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1

DIALING MODE

PULSE • • TONE
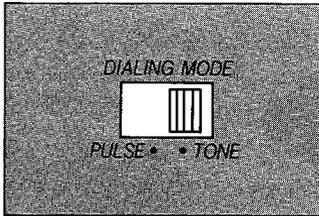
Selector de modo de discado Fijar a "Tone".

Si no se puede discar, ponga en "PULSE".

2

RINGER

OFF • • • HIGH
LOW

Selector de volumen de timbre Poner en "HIGH".

LOW: El sonido de repique será bajo.
OFF: El teléfono no repicará.

3

LOCAL CALL ONLY

•OFF
•ON
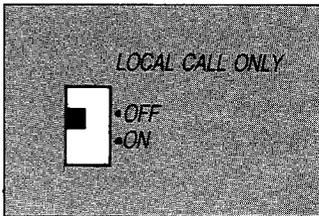
Interruptor de sólo llamada local

OFF: Puede efectuarse discado normal.
ON: No es posible la operación de discado manual o automático de un número con más de 7 digitos.
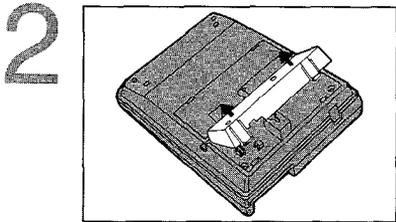
l Mounting

This unit can be mounted on a wall phone plate. If you do not have a modular wall plate installed, consult your telephone company or an installer.
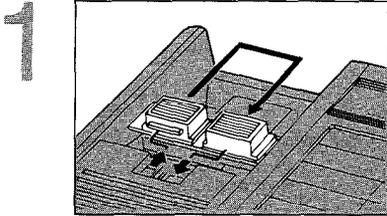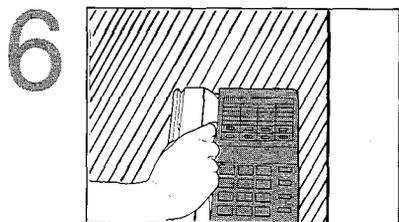
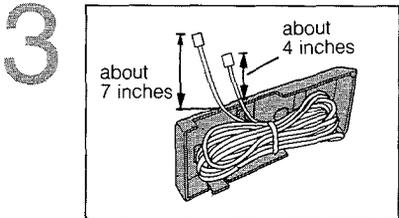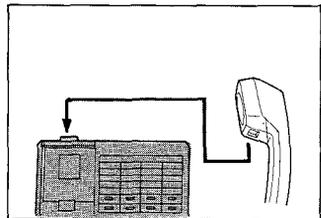**1** Turn the handset hook around.

2 Remove the attaching stand.

3 Insert the cord as shown.

about 4 inches

about 7 inches

4 Place the stand back.

5 Mount the unit on the wall phone plate.

6 Place the handset.

To temporarily place the handset down during a conversation, hook as shown.
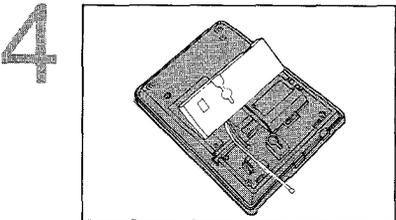
General

If you ship the product

Carefully pack and send it prepaid, adequately insured and preferably in the original carton.
Attach a postage-paid letter, detailing the complaint, to the outside of the carton. *Do NOT send the product to the Executive or Regional Sales offces. They are NOT equippped to make repairs.*
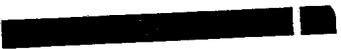
For your future reference

Serial No. _____ (found on the bottom of the unit)

Name of Dealer _____

Date of Purchase _____

Dealer's Address _____

PANUG-014 –