

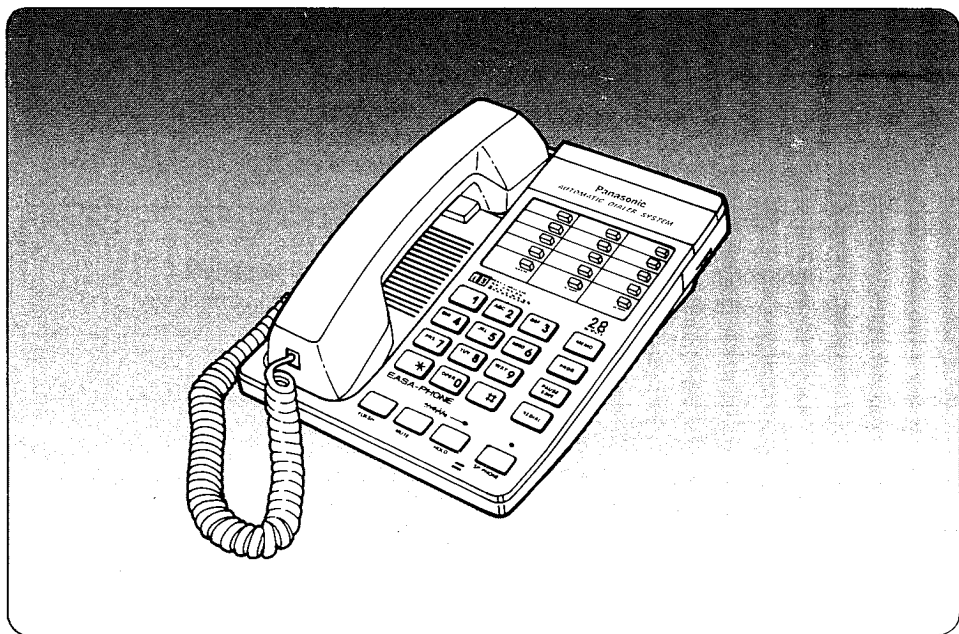
# Operating Instructions

INTEGRATED TELEPHONE SYSTEM

MODEL NO. **KX-T2355**

**EASA-PHONE®**

Telephone with  
Automatic Dialer  
and Speakerphone



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

La tarjeta de referencia rápida en español puede encontrarse en las páginas 9 y 10.  
(Spanish quick reference card can be found on pages 9 and 10.)

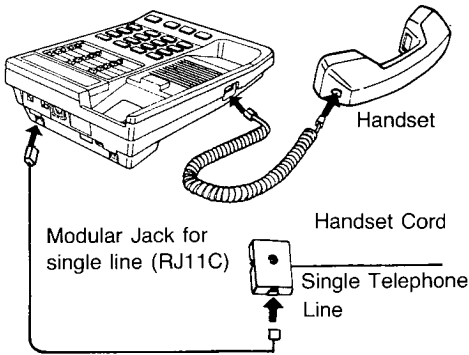
## **Panasonic**

Please read before use.

### **Accessories**

Telephone line cord .....	1
Handset .....	1
Handset cord .....	1
AA size batteries .....	3

## Connection



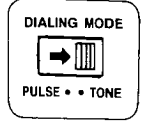
- This unit may not be connected to a coin operated line. If you are on a party line, check with your local telephone company.

## Preparation

### 1 Dialing Mode Selector;

Set to "TONE".

If dialing can not be done, set to "PULSE".  
Pulse-or-tone dialing capability.

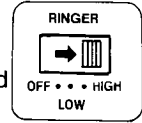


### 2 Ringer Volume Selector;

Set to "HIGH".

**LOW:** The ringing sound will be low.

**OFF:** The telephone will not ring.



### 3 Insert the batteries observing the correct polarity. (See page 8.)



- **Replace all the batteries every 10 months, or misoperation may occur.**
- **If the batteries are not installed, programming and speakerphone operation can not be done.**
- **Do not use rechargeable (nickel-cadmium) batteries.**  
They are partially different in shape and performance and may fail to ensure proper function operation and may damage the unit.

## Manual Operation

### ■ Dialing

- Lift the handset  or push the  button, then dial the **phone number**.


### ■ Receiving


- Lift the handset  or push the  button.

### ■ Redialing

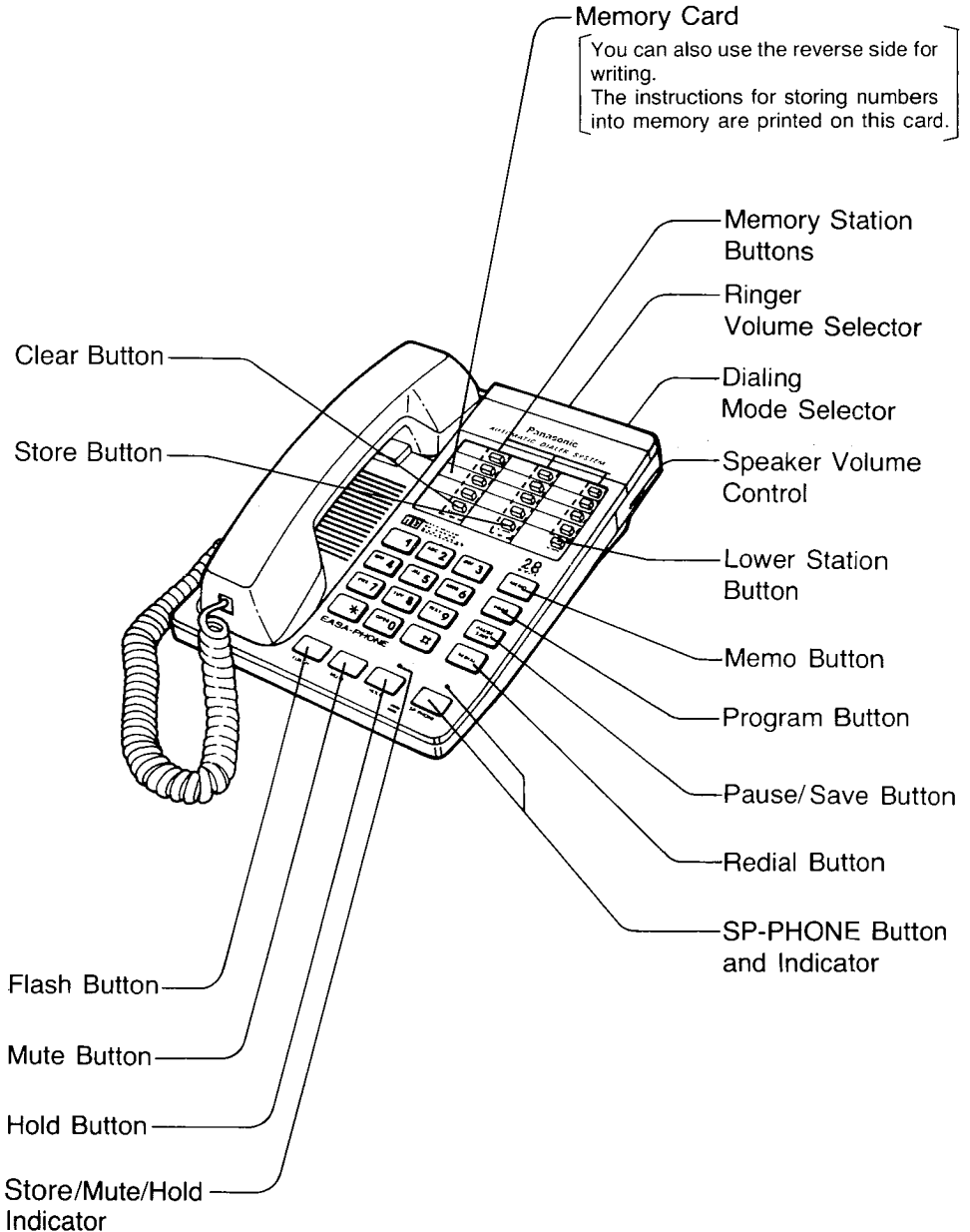
If a line is busy, pushing the  button enables you to redial once.

**When using the hands-free (Automatic Redialing);**

- Depressing the Redial button enables you to redial up to 15 times within 10 minute-period.
- To cancel automatic redialing, push the .

If the Mute Indicator lights when speaking, push .

# Location of Controls



# Automatic Dialing

Each Memory button consists of two functions, they are upper and lower memory locations. Each location (Upper+Lower) is capable of storing 16 digits.

## CAUTION:

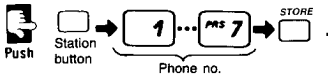
Please do not press any buttons of "automatic dialer" before programming. This is to prevent misoperation of auto dialer function.

## Storing Phone Numbers

Be sure the handset is on the cradle, the SP-PHONE button is off and batteries are installed (See page 8).

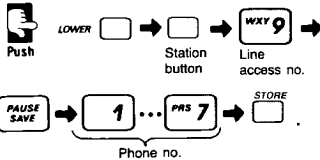
1   until the Store Indicator lights.

2 ■ Home Use (into the upper)



■ Office Use (PBX) (into the lower)

Depressing the Lower Station button must be done first.








3 After storing all the numbers,



- 28 telephone numbers, up to 16 digits each, can be stored in the upper and lower memory stations.
- To change a stored number, repeat the steps of "Storing Phone Numbers".

## Dialing

1 Lift the  .  
or  
In hands-free mode:   .  
Push

2 ■ In using the upper station,   .  
Push

■ In using the lower station,   →  .  
Push

3 When you finish, hang up the  or   .  
Push

## Correcting an Error while Storing

If you notice an error before pushing the Store button:

1   .  
Push

- The new entry is cleared and the previous storage remains untouched.


2 Repeat step 2 of "Storing Phone Numbers".

- Even while programming numbers, you can answer a call by simply lifting the handset. Programming is cancelled and then reprogramming shall be done.

# Storing and

When using the lower station, depressing the Lower Station button must be done first.

## Confirming a Stored Number










- 1 Enter the same number into the same memory station.
- 2 After  is pushed;
  - When the Store Indicator blinks once and a beep is heard, the new storage is different from the old one.
  - When the Store Indicator blinks twice and two beeps are heard, both are the same.

## Erasing a Stored Number

Be sure the handset is on the cradle and the SP-PHONE button is off.

### Example:

To erase the number stored in the lower position in memory station.

- 1   until the Store Indicator lights.
- 2    →  → .
- 3  .


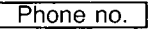



## Saved Number Redial

The last dialed number can be stored into the Save button before hanging up (e.g. ... If the called line is busy).






This number will be saved until another number is stored again, and can be redialed any time by pushing the Save button.

- This function is useful to store the phone number which you wish to redial after dialing another number.

### ■ Storing

- 1   to dial.
- 2 When the called line is busy or while having a conversation,  
  → .

### ■ Dialing

- 1 Lift the .  
OR  
In hands-free mode;  .
- 2  .




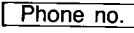

## Storing during a Conversation (Memo Dial)

While having a conversation, another telephone number can be stored into the Memo button.






So you can dial this number by pushing the Memo button any time you like.

- This function is useful to store a telephone number, which is given to you by the other party.

### ■ Storing

- 1 While having a conversation,   until the Store Indicator blinks.
- 2   → .

### ■ Dialing

- 1 Lift the .  
OR  
In hands-free mode;  .
- 2  .

- If you store the new phone number into memory using the "Memo Dial" feature, the previously stored number will be erased.

# Dialing




## Memory Transfer

**Example:** To store into upper memory station.

Be sure the handset is on the cradle and the SP-PHONE button is off.




### Storing the Last Dialed Number (Redial Memory Transfer)

The last number manually dialed can be stored into the memory station.

- 1  **PROG** until the Store Indicator lights.
- 2  **Station button** → **REDIAL** → **STORE**
- 3  **PROG**

### Storing Memo Dialed Number (Memo Dial Transfer)

The MEMO dial number can be stored into a memory station.

- 1  **PROG** until the Store Indicator lights.
- 2  **Station button** → **MEMO** → **STORE**
- 3  **PROG**

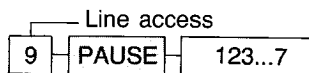
- Up to 30 digits will be dialed when using the redial function. When storing the last dialed number into memory, the maximum amount of digits cannot exceed 16 digits.

## Pause Usage

The Pause button function is needed for line access or computer tone.

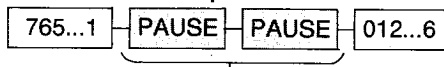
- A pause is needed in manual dialing for the purpose of redialing.

To wait for a dial tone



One pause is required.

To wait for a computer tone



Two pauses are required.



## Combination Dialing

Any combination of dialing methods can be done.

- Automatic and Manual Dialing
- Pulse and Tone Dialing
- Plural memory stations

## Mute Operation

Use when you do not want your voice to be heard by the other party.


- 1  **MUTE**
  - The Mute Indicator will light.
- 2 To resume the conversation,  
 **MUTE** again.

# Hold

## To Place a Call on Hold

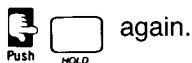
While having a conversation,



- The Hold Indicator will blink slowly.
- You may hang up the .


## To Release a Hold

### 1 ■ When the handset is lifted;



### ■ When the handset is on the cradle;

- In using the handset;

Lift the .

or

- In the hands-free mode;



### 2 Start talking.

## Connecting Another Telephone in Parallel

To release a hold using another telephone connected on the same line:

Lift the  of the other telephone.

# Hands-free

## Switching to Hands-free or Handset during a Conversation

You may choose to use the handset or hands-free.

### Hands-free → Handset

Switch to

Lift the .

- The SP-PHONE Indicator will go out.

### Handset → Hands-free

Switch to



- The SP-PHONE Indicator will light.

### 2 Hang up the .

- Before hanging up, you must push the SP-PHONE button.

## Helpful Hints for Hands-free

### ■ If the other party finds it difficult to hear your voice:

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

### ■ Absorbing echoes:

Use in a room that has curtains or carpeting.

### ■ Note:

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

To avoid this, speak alternately.

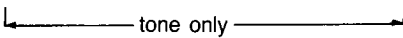
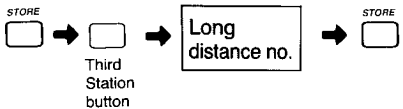
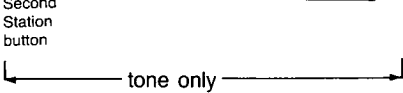
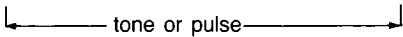
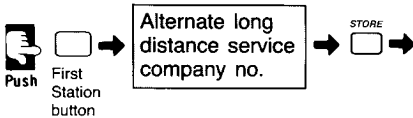
# Computer-Accessed Long Distance Services


Two pauses are required for computer access tone.

Example (MCI, SPRINT, etc.):

Phone number into three upper positions of memory stations.

After pushing the Program button,



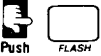
- 2 or 3 memory stations are required, as one memory cannot store over 16 digits.
- Pushing the Pause button once counts as 1 digit.
- Changing the Dialing Mode Selector counts as 1 digit.
- If you want to change from pulse mode into tone mode during dialing, the Tone button (  ) can be used instead of changing the Dialing Mode selector.
- When you hang up the handset or the SP-PHONE button is OFF, dialing mode will return to pulse mode.

# 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 tone is heard.

2  lightly.

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

3  lightly again.

- The first caller can be spoken to again and the second call is placed on hold.
- If the calling party on hold hangs up, the line is terminated.

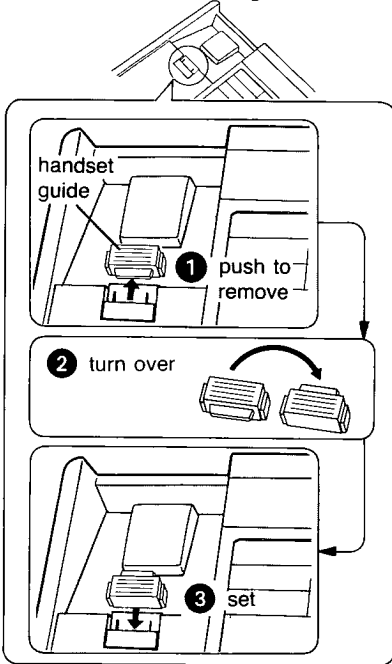
- You may access some features of your PBX using the Flash button instead of the hookswitch. Push the Flash button lightly in a dial operation. "Flash" can be stored into memory in the same way as "Storing Phone Numbers" on page 3. Memory station can automatically access to features of your host PBX. Push the Flash button at the position where the hookswitch operation is required in a dial operation when programming into memory station.



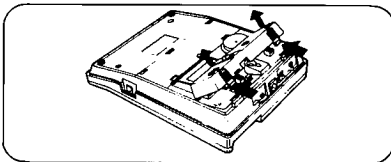
# Wall Mounting

This unit can be mounted on a wall phone plate. If you do not have a modular wall plate installed, we recommend that you consult with your telephone company or installer to have one.

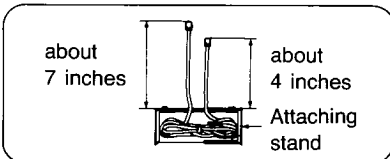
1. Turn over the handset guide.



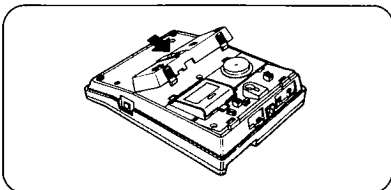
2. Remove the attaching stand.



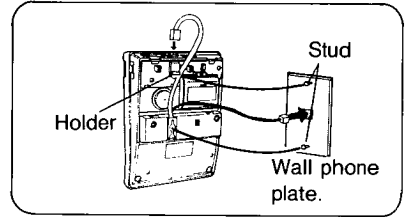
3. Insert the cord as shown.



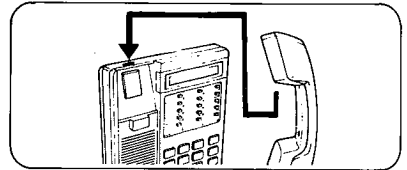
4. Replace the stand.



5. Mount the unit on the wall phone plate.



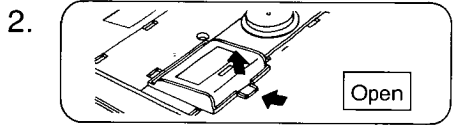
- To temporarily place the handset down during a conversation, hook as shown.



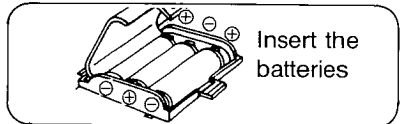
## Battery Installation

Three AA size batteries serve as the power source to retain the stored telephone numbers in memory.

1. Remove the attaching stand.



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



4. Replace the stand.

- Replace all the batteries every 10 months, or misoperation may occur.
- To prevent loss of the stored telephone numbers, replace the batteries within 10 minutes after removing the old ones.
- Do not use rechargeable (nickel-cadmium) batteries.



## Discado Manual y Recepción

### Usando el microteléfono

#### Llamadas

1 Levante el microteléfono 

2  El número de teléfono.

- Cuando la línea esté ocupada,





3 Cuando termine, cuelgue el 

#### Recepción

Levante el  y hable.





### Sin usar el microteléfono

Utilice  en vez del  y siga el procedimiento indicado en "Usando el microteléfono".





## Retención

### Usando el microteléfono



#### Para poner una llamada en retención

- Mientras está conversando,   
- Parpadeará el indicador de retención.
  - Puede colgar el .

#### Para quitar la retención

- 1 ■ Cuando el microteléfono esté levantado,    de nuevo.
- Cuando el microteléfono esté colgado, levante el .
- 2 Empiece a hablar.

### Sin usar el microteléfono

Utilice  en vez del  y siga el procedimiento indicado en "Usando el microteléfono".

# Referencia Rápida

## Discado Automático

**Ejemplo: Uso en el Hogar** Número de teléfono **123-4567** en la estación superior  
**Uso en la oficina** Línea de acceso número **9** y número de teléfono **123-4567** en la estación inferior

### Almacenamiento

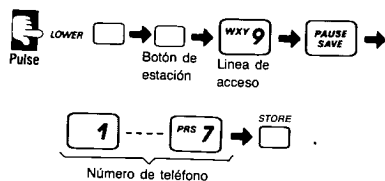
Asegúrese de que el microteléfono esté colgado y de que el botón del altavoz esté desconectado.

**1**  Pulse **PROG**.

**2** ■ **Uso en el Hogar**  
(en la estación superior)



■ **Uso en la Oficina**  
(en la estación inferior)  
Debe pulsar primero el selector de la estación inferior.




**3** Después de almacenar todos los números,





### Llamadas

#### Usando el microteléfono



**1** Levante el .

**2** ■ En el caso de la estación superior  Pulse Botón de estación

■ En el caso de la estación inferior  Pulse LOWER Botón de estación

**3** Cuando termine, cuelgue el .

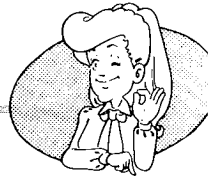
#### Sin usar el microteléfono

Utilice  en vez del  y siga el procedimiento indicado en "Usando el microteléfono".

- 28 números de teléfono, de hasta 16 dígitos cada uno, pueden ser almacenados en las estaciones de memoria.
- Para cambiar un número almacenado, repetir "Almacenamiento".



# 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.

Look at the **HOLD** Indicator. If it is blinking slowly, push the Hold button to resume the conversation.

I suddenly can not hear caller's voice during a conversation.

Redialing or Programming Operation does not function.

The unit does not keep stored memory.

Hands-free operation does not function after pushing the SP-Phone button.

Batteries have become weak. Replace all the batteries.

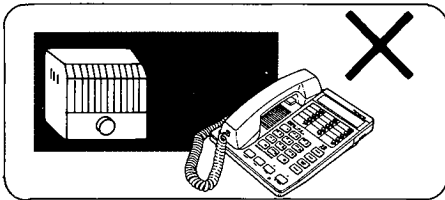
## Accessory Order Information

- Replacement parts and accessories are available through your local authorized parts distributor.
- For the authorized distributors in your area, call toll free: 1-800-545-2672.

Part No.	Description	Comment
KX-J07W	Handset cord	7 feet
KX-J15W		15 feet
KX-J25W		25 feet

# 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 it repaired by one of the specified Panasonic Factory Service Centers. If the known working telephone does not operate properly, consult with a telephone company.
- When a Station button is pushed and nothing seems to operate, unplug the telephone cord then replace the batteries.
- Keep the unit away from heating appliances and electrical noise generating devices such as fluorescent lamps and motors.



- The unit should be kept free of dust, moisture and vibration, and should not be exposed to direct sunlight.
- Do not use benzine, thinner, or the like, or any abrasive powder to clean the cabinet. Wipe it with a soft cloth.
- Do not use any handset other than Panasonic handset made for the model KX-T2355.

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

If requested by the Telephone Company, inform them as follows:

- FCC Registration No.  
ACJ96N-19931-MT-E
- Ringer Equivalence . . . . . 1.0B
- The particular telephone line to which the equipment is to be 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 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.

# Important Information

**This telephone provides magnetic coupling to hearing aids.**

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

**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 offices. They are NOT equipped to make repairs.*

**Product Service**

Panasonic Servicenters for this product are listed on page 14.  
Consult your authorized Panasonic dealer for detailed instructions.

**For your future reference**

Serial No. \_\_\_\_\_ Date of Purchase \_\_\_\_\_  
(found on the bottom of the unit)

Name of Dealer \_\_\_\_\_

Dealer's Address \_\_\_\_\_