

# 2.4 GHz Multi Handset Expandable Cordless Telephone

with Call Waiting/Caller ID

43-3529/43-3598

**Ample Talk and Standby Time** — The supplied battery (when fully charged) provides about six hours of talk time or 10 days of standby time.

**Headset Jack** — Lets you connect an optional headset for hands-free convenience. See "Using a Headset" on Page 18.

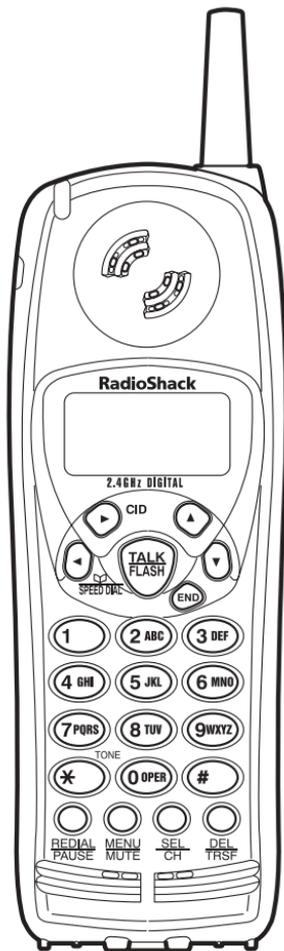
**Hearing-Aid Compatible** — Enables use of the phone with hearing aids that have a T (telephone) switch.

**Convenient Extension Placement** — Lets you place accessory handsets (up to a total of eight extension handsets) anywhere you have an AC outlet, regardless of phone line location.

**Distinctive Ring** — Allows you to assign a distinctive ringer to certain memory locations. When an incoming call is received and the Caller ID information matches the information in one of the memory locations, the distinctive ring that has been stored for that particular caller sounds. See "Turning the Distinctive Ringer On/Off" on Page 23.

## ! IMPORTANT !

If an icon appears at the end of a paragraph, go to the box on that page with the corresponding icon for pertinent information.



**RadioShack**®

www.radioshack.com<sup>SM</sup>

## OWNER'S MANUAL

Please read before using this equipment.

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are registered US marks.

**WARNING:** To reduce the risk of fire or shock hazard, do not expose this product to rain or moisture.

**CAUTION**  
 **RISK OF ELECTRIC SHOCK**  
 DO NOT OPEN 

**CAUTION:** TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.

 The lightning symbol is intended to alert you to the presence of uninsulated dangerous voltage within this product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.

 The exclamation symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this product.

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# IMPORTANT SAFETY INSTRUCTIONS

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following.

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on the product.
3. Never install telephone wiring during a lightning storm.
4. Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
5. Never touch uninstalled telephone wires or terminals unless the telephone line has been disconnected at the network interface.
6. Use caution when installing or modifying telephone lines.
7. Do not affix the AC power supply cord to building surfaces with metal fittings (if the product has an AC power cord).
8. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
9. Do not use this product near water, for example, near a bathtub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.

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10. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
11. Slots and openings in the cabinet and the back or bottom are provided for ventilation. To protect the product from overheating, these openings must not be blocked or covered.
 

The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation unless proper ventilation is provided.
12. This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your local power company.
13. Do not allow anything to rest on the power cord. Do not locate this product where the cord will be stepped on.
14. Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.
15. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the product.
16. To reduce the risk of electric shock, do not disassemble this product. Take it to a qualified service technician when service or repair work is required. Opening or removing covers may expose you to dangerous voltage or other risks.



**As an ENERGYSTAR Partner, RadioShack Corporation has determined that this product meets the ENERGYSTAR guidelines for energy efficiency. (43-3529 only)**

Incorrect reassembly can cause electric shock when the product is subsequently used.

17. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
  - When the power cord plug is damaged or frayed.
  - If liquid has been spilled into the product.
  - If the product has been exposed to rain or water.
  - If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions because improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
  - If the product has been dropped or the cabinet has been damaged.
  - If the product exhibits a distinct change in performance.
18. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
19. Do not use the telephone to report a gas leak in the vicinity of the leak.

## **BATTERY SAFETY INSTRUCTIONS**

- Use only the appropriate type and size battery pack specified in the instruction manual provided for this product.
- Do not dispose of the battery pack in a fire. The cell may explode. Check with local codes for possible special disposal instructions.
- Do not open or mutilate the battery pack. Released electrolyte is corrosive and may

cause damage to the eyes or skin. It may be toxic if swallowed.

- Exercise care in handling the battery pack in order not to short it with conducting materials such as rings, bracelets, and keys. The battery or conductor may overheat and cause burns.
- Charge the battery pack only in accordance with the instructions and limitations specified in the instruction manual provided for this product.
- Observe proper polarity orientation between the battery pack and battery charger.

# SAVE THESE INSTRUCTIONS

## INTRODUCTION

Thank you for purchasing a RadioShack 2.4 GHz Multi Handset Expandable Cordless Telephone. Unlike other conventional cordless telephones, your telephone supports up to eight handsets on a single telephone line. You can add a handset to any room in your home or office that has an AC outlet. No more running to the other end of the house to answer the phone! You can transfer outside calls to other handsets. If you subscribe to Call Waiting with Caller ID, the Caller ID (CID) lets you see who's calling before you answer the phone, even when you are already talking on the phone. !

Before using your phone, be sure to carefully peel the protective film off the handset's display window.

### **! IMPORTANT !**

Cordless phones require AC power to operate. When the power is off, you cannot make or receive calls using your phone. To be safe, you should also have a phone that does not need AC power to operate (not a cordless phone), so you can still make and receive calls if there is an AC power failure.

## NOTE

The USOC number of the jack to be installed is RJ11C (or RJ11W for a wall plate jack).

## CAUTION

Your telephone connects directly to a modular telephone line jack. If your telephone wiring does not have a modular jack, you can update the wiring yourself using jacks and adapters (available at your local RadioShack store), or have the telephone company update the wiring for you. You must use compatible modular jacks that are compliant with Part 68 of *FCC Rules*.

# INSTALLING YOUR TELEPHONE

## SELECTING A LOCATION

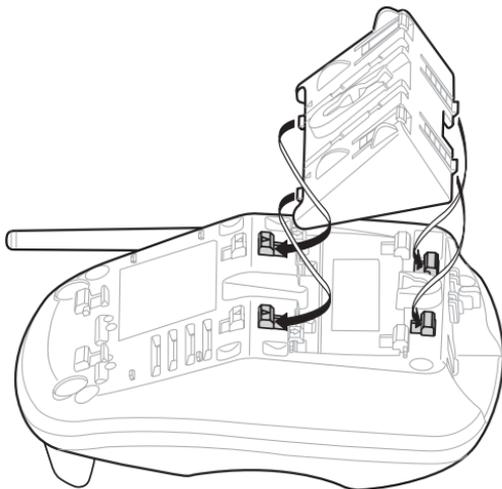
Select a location that is:

- near an accessible AC outlet
- near a telephone line jack ✓
- out of the way of normal activities
- away from electrical machinery, electrical appliances, metal walls or filing cabinets, wireless intercoms, alarms, and room monitors
- away from other cordless phones

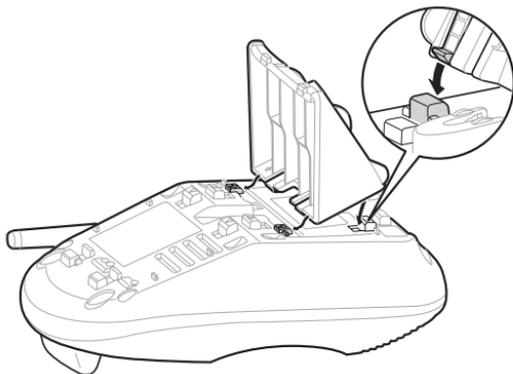
The base's location affects the handset's range. If you have a choice of several locations, try each to see which provides the best performance. ⚡

## On a Desktop

1. Insert the bracket's tabs into the base's middle slots. Then, press down on the bracket clips and insert them into the clip slots.

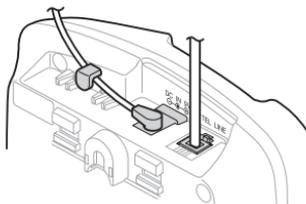


To put the phone on a slant, insert the clips into the middle clip slots. Then, tilt the bracket down so the tabs click into the upper tab slots.



2. Plug one end of the supplied long modular cord into the **TEL LINE** jack on the back of the base.
3. Plug the modular cord's other end into a modular phone line jack.

4. Insert the supplied AC adapter's barrel plug into the **DC IN 9V** jack on the back of the base.



5. Route the adapter's cord through the strain relief slot on the back of the base.
6. Plug the adapter into a standard AC outlet. ⚡
7. Lift the base's antenna to a vertical position.

### ⚡ CAUTION ⚡

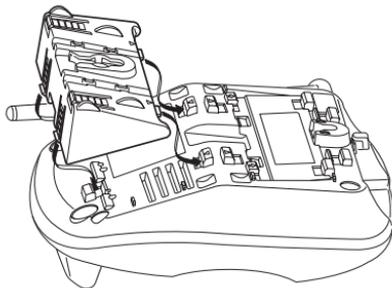
You must use a Class 2 power source that supplies 9V DC and delivers at least 350 mA. Its center tip must be set to positive and its plug must fit the phone's **DC IN 9V** jack. The supplied adapter meets these specifications. Using an adapter that does not meet these specifications could damage the phone or the adapter.

**CAUTION**

Always connect the AC adapter to the phone before you connect it to AC power. When you finish, disconnect the adapter from AC power before you disconnect it from the phone.

**On a Wall Plate**

1. Insert the bracket's tabs into the base's lower tab slots. Then, press down on the bracket's clips and insert them into the clip slots.



2. Plug one end of the supplied short modular cord into the **TEL LINE** jack on the back of the base.
3. Insert the supplied AC adapter's barrel plug into the **DC IN 9V** jack.
4. Route the adapter and modular cords through the grooves on the bottom of the base.
5. Plug the modular cord into the wall plate jack. Then align the base's keyhole slots with the wall plate studs and slide the base down to secure it.
6. Plug the adapter into a standard AC outlet.
7. Push up on the handset holder. Then lift and remove it. Turn it over and rotate it so that the oval-shaped indentation is at the bottom. Then slide it down into its slot. Snap it back into place so that it holds the handset.
8. Lift the base's antenna to a vertical position.

## On a Wall

You need two screws (not supplied) with heads that fit into the keyhole slots on the bottom of the base.

1. Drill two holes  $3\frac{15}{16}$  inches (100 mm) apart. Then thread a screw into each hole, letting the heads extend about  $\frac{1}{8}$  inch (3 mm) from the wall.
2. Plug one end of the supplied long modular cord into the **TEL LINE** jack on the back of the base.
3. Insert the supplied AC adapter's barrel plug into the **DC IN 9V** jack on the back of the base.
4. Route the adapter and modular cords through the grooves on the bracket.
5. Align the base's keyhole slots with the mounting screws and slide the base downward to secure it.
6. Plug the modular cord's other end into the phone jack, and plug the adapter into a standard AC outlet.
7. Push up on the handset holder. Then lift and remove it. Turn it over and rotate it so that the oval-shaped indentation is at the bottom. Then slide it down into its slot. Snap it back into place so that it holds the handset.
8. Lift the base's antenna to a vertical position.

## CONNECTING AND CHARGING THE BATTERY PACK

The phone comes with a rechargeable nickel metal hydride (Ni-MH) battery pack. Before using your phone, you must install the battery pack. Then charge it for about 12–15 hours.

☑ **NOTE** ☑

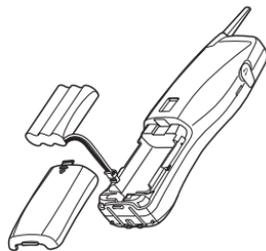
- If you mounted the base on the wall, place the handset with the keypad facing out so the charging contacts make a clean connection to charge the battery pack.
- Using a pencil eraser, clean the charging contacts on the handset and base about once a month.
- If the battery pack becomes weak during a call, the handset beeps and **Low Battery** appears. You must recharge the battery pack before you can make another call.
- About once a month, fully discharge the battery by keeping the handset off the base until **Low Battery** flashes. Otherwise, the battery pack loses its ability to fully recharge.

**! IMPORTANT !**

Be sure the battery pack is properly connected before you try to charge it. The CHARGE/IN USE indicator lights when the handset is on the base, even if the battery pack is not connected.

1. Press down and slide off the battery compartment cover.

2. Plug the battery pack's connector into the socket in the compartment (the connector fits only one way). Then place the battery pack in the compartment. **Handset No.1** appears.



<43-3598 model only> **Handset No.2** appears when you install the battery pack on to the second handset.

3. Replace the cover.

To charge the battery pack, place the handset on the base. The CHARGE/IN USE indicator on the base lights, and **Total: 0** and **HS1** appear. ☑

Recharge the battery pack when **Low Battery** appears. !

For the use of the second handset and its charger, see "Using an Optional Handset" on Page 30.

The supplied battery pack should last for about a year. If the battery pack does not hold a charge for more than two hours after an overnight charge, replace it with a new 3.6-volt, 800 mAh battery pack with a connector that fits the socket in the battery compartment. You can order a replacement battery pack through your local RadioShack store. Install the new battery pack and charge it for about 15–20 hours.

If you have trouble replacing the battery pack, take the phone to your local RadioShack store for assistance.

If you are not going to use your phone for an extended period, disconnect the battery pack to increase its usable life.

## SETTING THE DIALING MODE

Your phone is set for tone dialing. If you have pulse service, change the dialing mode.

If you are not sure which type of service you have, do this test:

1. Lift the handset and press **TALK/FLASH**. Listen for a dial tone.
2. Press any number other than **0** or an access code (**9**, for example) if required.
3. *If the dial tone stops, you have touch-tone service.*  
*If the dial tone continues, you have pulse service.*

Once you know which type of service you have, follow these steps to set the dialing mode.

1. Lift the handset and press **MENU/MUTE**.
2. Press **▲** or **▼** to select **Dial Mode**.
3. Press **SEL/CH**. The current dialing mode appears.
4. Press **▲** or **▼** to select the mode.
5. Press **SEL/CH**. The phone beeps.
6. Press **END** to exit.

## SETTING THE RINGER VOLUME

1. Lift the handset and press **MENU/MUTE**. The menu appears with **Ringer Volume** selected.
2. Press **SEL/CH**.
3. Press **▲** or **▼** to select **Ringer Off**, **Ringer Low**, or **Ringer High**. Each time you make a selection, the phone rings at the selected volume (or does not ring when you select **Off**).

4. Press **SEL/CH**. The phone beeps.
5. Press **END** to exit.

When you select **Ringer Off**, the phone does not ring when it receives an incoming call and **<Ringer Off>** appears on the handset when you make or receive calls, or place it on the base.

## SETTING THE RINGER TONE

You can choose from six ringers or four melodies.

**Ringers: Flicker, Clatter, Leap Frog, Ping Ball, Reminder, Soft Alert**

**Melodies: Beethoven9** (“Ode to Joy” from Beethoven’s 9th Symphony), **Elise** (“For Elise”), **Merry-Xmas** (“We Wish You a Merry Christmas”), **Hm Swt Hm** (“Home Sweet Home”)

1. Lift the handset and press **MENU/MUTE**.
2. Press **▲** or **▼** to select **Ringer Tones**.
3. Press **SEL/CH**.
4. Press **▲** or **▼** to make selection. Each time you make a selection, the selected ringer or melody sounds. 
5. Press **SEL/CH**. A tone sounds.
6. Press **END** to exit.



### NOTE

If you set the ringer to **Off**, the ringer tone does not sound.

## TURNING AUTO TALK ON/OFF

Auto Talk allows you to simply pick up the phone from the base to answer a call, without pressing **TALK/FLASH!** If the handset is away from the base, press any number key to answer a call. Your phone is not preset to use Auto Talk.

1. Lift the handset and press **MENU/MUTE**.
2. Press **▲** or **▼** to select **Caller ID Setup**.

3. Press **SEL/CH**.
4. Press **▲** or **▼** to select **Auto Talk**.
5. Press **SEL/CH**.
6. Press **▲** or **▼** to choose **Auto Talk On** or **Auto Talk Off**.
7. Press **SEL/CH**. A tone sounds.
8. Press **END** to exit.

## TURNING CALLER ID/CALL WAITING ON/OFF

If you subscribe to Call Waiting with Caller ID service, you can set the phone to show Caller ID information for an incoming call even while you are using the phone.

1. Lift the handset and press **MENU/MUTE**.
2. Press **▲** or **▼** to select **Caller ID Setup**.
3. Press **SEL/CH**.
4. Press **▲** or **▼** to select **CIDCW**.
5. Press **SEL/CH**.
6. Press **▲** or **▼** to select **CIDCW On**, **CW Deluxe On**, or **CIDCW Off**. 
7. Press **SEL/CH** and return the handset to the base.

## STORING YOUR AREA CODE

You can store your local area code in the phone's memory so the area code does not appear if you receive a local call. If you need to add or store the area code for a local number, you can add it afterwards (see "Dialing Numbers From a Caller ID Record" on Page 28).

### **NOTE**

With the **CW Deluxe On** setting, you can use advanced Caller ID/Call Waiting options. See "Call Waiting Deluxe Service" on Page 24.

### **NOTE**

If an area code is already stored, it appears on the display. To delete the area code, press **DEL/TRSF** three times. Then enter your area code. Or you can use /SPEED DIAL/  or **CID/**  to move the cursor and edit the area code.

In some areas, the area code is necessary even for a local call (10-digit dialing). If you live in such an area, do not store the area code.

1. Lift the handset and press **MENU/MUTE**.
2. Press  or  to select **Caller ID Setup**.
3. Press **SEL/CH**.
4. Press  or  to select **Area Code**.
5. Press **SEL/CH**. Then enter your three-digit area code. If you make a mistake, repeatedly press /SPEED DIAL/  or **CID/**  to move the cursor over the incorrect digit. Then enter the correct number.
6. Press **SEL/CH**. The phone sounds a confirmation tone.
7. Press **END** to exit. 

## **SELECTING THE LANGUAGE**

You can select the information on the display to appear in English, French, or Spanish.

1. Lift the handset and press **MENU/MUTE**.
2. Press  or  to select **Language**.
3. Press **SEL/CH**.
4. Press  or  to select **English, Français,** or **Español**.
5. Press **SEL/CH**. A confirmation tone sounds.
6. Press **END** to exit.

# MAKING AND RECEIVING CALLS

1. To make a call, lift the handset and press **TALK/FLASH**. **Talk** and the current volume setting appear, and the base's CHARGE/IN USE indicator lights. Then the call's elapsed time appears. 
2. Dial the number. The number appears on the handset as you dial.
3. To end a call, place the handset on the base or press **END**.

You can also dial the number before you press **TALK/FLASH**. If you make a mistake, press  **SPEED DIAL/◀** or **CID/▶** to move the cursor to the incorrect entry. Then enter the correct number. To delete a number, press **DEL/TRSF**.

When you receive a call, **Incoming Call** appears.

1. To answer the call, lift the handset and press **TALK/FLASH**.

*If Auto Talk is on, just lift the handset (see "Turning Auto Talk ON/OFF" on Page 12).*

*If the handset is away from the base, press **TALK/FLASH**, or any number key (when Auto Talk is on).*

2. To end a call, place the handset on the base or press **END**. **End** and the elapsed call time appears for about 5 seconds.

## RINGER MUTE

You can temporarily mute the ringer. When you receive a call with the handset off the base, press **END**. The phone exits Ringer Mute when the next call is received, or when you hang up the phone.

### **NOTE**

The phone has 35 channels. If your call disconnects or you have difficulty hearing the conversation during a call, press **SEL/CH** on the handset to select a different channel. **Scanning** appears as your phone searches for a clear channel.

### NOTE

- The redial memory holds up to 32 digits, so you can redial long-distance as well as local numbers.
- The redial memory also holds pause entries (see “Entering a Pause” on Page 21).
- The last number dialed in the redial memory is retained for up to two minutes while you replace the battery pack.

## ADJUSTING THE HANDSET’S VOLUME

To adjust the handset's volume during a call, press ▲ or ▼ on the handset until you reach the desired volume level (**Volume Low**, **Volume Medium**, **Volume High**, and **Volume Maximum**). Once you set the volume level, the setting is maintained even after you hang up the phone.

If you press ▲ while the setting is **Volume Maximum** or ▼ while it is **Volume Low**, the setting does not change and the phone beeps.

## USING MUTE

You can temporarily turn off the microphone so that the person on the other end of the line cannot hear you.

1. During a call, press and hold **MENU/MUTE**. **Mute** appears.
2. Press **MENU/MUTE** again to turn the microphone back on.

## USING REDIAL

To quickly dial one of the last three numbers dialed, lift the handset and repeatedly press **REDIAL/PAUSE** until the desired number appears. Then press **TALK/FLASH**.

Or, press **REDIAL/PAUSE** after pressing **TALK/FLASH** to dial the last number you dialed. ☑

## USING FLASH

Flash performs the electronic equivalent of a switchhook operation for special services, such as Call Waiting.

1. If you have Call Waiting, press **TALK/FLASH** to answer an incoming call without disconnecting the current call.

2. Press **TALK/FLASH** again to return to the first call.

If you do not have any special phone services, pressing **TALK/FLASH** while the call is in progress might disconnect the current call.

## USING TONE SERVICES ON A PULSE LINE

Some special services require tone signals (such as bank-by-phone). If you have pulse dialing, you can still use these special tone services.

1. Dial the service's main number.
2. When the service answers, press **\*/TONE**. The phone automatically inserts a two-second pause, so any additional numbers you dial are sent as tone signals.

The phone's dial mode resets to pulse when you make or receive another call.

## PAGING

1. To send a page from the base to the handset or to locate the handset when the phone is not in use, press **PAGE** on the base. The handset beeps for about one minute.
2. To stop the page, press any key on the handset, or press **PAGE** on the base again.

If you receive an incoming call, Page is cancelled.

## VOICE MAIL WAITING INDICATOR

If you subscribe to the voice mail service from your phone company, the VOICE MAIL indicator on the handset flashes when you receive a new voice message. Call the access number to retrieve your voice mail. Then enter your personal ID to listen to the message.

The VOICE MAIL indicator also flashes rapidly when you receive an incoming call, or slowly when the base is paging the handset.

If the VOICE MAIL indicator stays lit even after you retrieve your message, press and hold **PAGE** on the base until it stops beeping (about 5 seconds).

## USING A HEADSET

You can make or answer calls with hands-free convenience using an optional headset that has a  $\frac{3}{32}$ -inch (2.5-mm) plug. Your local RadioShack store carries a variety of headsets.

To connect the headset, gently flip open the rubber headset jack cover on the side of the handset. Then insert the headset's plug into the jack. Use the keys on the handset to make or answer calls. 

When you finish using the headset, disconnect it from the handset and replace the rubber cover to protect the jack.

## MEMORY DIALING

You have a total of 100 phonebook locations for memory numbers (including 10 speed dials) and Caller ID messages in the handset's memory. So, for example, if the memory is filled with 80 phonebook records, only 20 Caller ID messages can be stored.

### NOTE

- Connecting a headset disconnects the handset's earpiece and microphone.
-  and  on the handset also control the headset's volume.
- If you place the handset on the base to recharge it while the headset is connected, be sure the handset seats properly.

You can also store one number in a separate one-touch speed dial memory.

Each memory number can be up to 20 digits, and each name can be up to 16 characters.

## STORING/EDITING DATA IN THE PHONEBOOK

1. Lift the handset and press /SPEED DIAL/  .  
The number of records in the phonebook, **Search** [A-Z/▲/▼], and **Store** [select] appear.
2. Press **SEL/CH. Store/Edit Name** appears.  

3. To enter a name, use the letters on the number keys. Enter the last name first, since files are accessed alphabetically.  
*For uppercase letters*, press the key once for the first letter marked on the key, twice for the second letter, and so on.  
*For lowercase letters*, press four times (or five times) for the first lower case letter marked on the key, five or six times for the second letter, and so on.  
  
For example, to enter John, press **5** once; upper case **J** appears. Then press **6** six times; lower case **o** appears. Press **4** five times; lower case **h** appears. Finally, press **6** five times; lower case **n** appears.
4. To enter two letters from the same key in a row, press **CID/ ▶** to move the cursor to the next position.  
  
For example, to enter AB, press **2**; **A** appears. Then press **CID/ ▶**; the cursor moves to the next position. Then press **2** twice; **B** appears.
5. To enter a space, press **CID/ ▶** twice without entering any characters.

### **NOTE**

If the memory is full, **Memory Full** appears for two seconds. Then the previous menu appears. You need to delete record(s) from either phonebook or Caller ID memories before you can enter data into phonebook memory.

 **NOTE** 

- Each tone or pause entry uses one digit of memory.
- If you press **END** or do not press a key for 30 seconds, the phone exits the phonebook store mode.
- When the memory is full, a beep sounds and **Memory Full** appears. You cannot store the names and numbers.
- If you select a speed dial location where a number is already stored, the new number replaces the old number, and the old number is stored as a normal memory number.

- To enter a number, repeatedly press the corresponding number key until the number appears.
- To enter a special character, press **0** repeatedly to select one of the following characters:  
\* # - & ( ) (space) 0
- If you make a mistake, press /SPEED DIAL/  to move the cursor back to the incorrect entry, press **DEL/TRSF** to delete the wrong character. Then enter the correct character.
- Press **SEL/CH. Store/Edit No.** appears.
- Enter the number and any tone or pause entries (see “Using Tone Services on a Pulse Line” on Page 17 and “Entering a Pause” on Page 21). 
- Press **SEL/CH. Distinctive Ring** appears.

- Press  or  to select the ringer, or **No Selectn** if you do not want to assign a distinctive ring.

Each time you make a selection, the selected ringer or the melody sounds (unless you selected **No Selectn**). See “Turning the Distinctive Ringer On/Off” on Page 23.

- Press **SEL/CH. Speed Dial** appears.

If the selected location has no number, **SPDn:** and **<Empty>** appear. The name that is stored in that location also appears. If you are editing a number already stored in a speed dial location, the pointer moves to the location where **<Current>** appears.

Press  to select a speed dial location (**SPD1–SPD0**) or **No selectn** if you do not want to store in the selected speed dial location.

- Press **SEL/CH. Done!** appears. 

## Entering a Pause

Some telephone systems require you to dial an access code (9, for example) and wait for a second dial tone before you can dial an outside number. You can store the access code in memory with the phone number. However, you should also store a pause after the access code to allow the outside line time to connect.

To enter a two-second pause, press **REDIAL/PAUSE**. You can add more pause entries for a longer pause.

## REVIEWING NAMES AND NUMBERS IN THE PHONEBOOK

You can recall a record either by scrolling or by entering the first letter of the name field in that record, even while the phone is in use.

1. Press /SPEED DIAL/◀ .
2. Press ▼ or ▲ to scroll through the record. First the record entered in the one-touch speed dial memory appears. Then other records appear in alphabetical order (from first to last when you press ▼, from last to first when you press ▲).

Or, use the number keys to enter the first character of the name from the desired record. Press the key once for the first letter marked on it, twice for the second letter, and so on. The first record that begins with the character you entered appears.

For example, to search for “RadioShack,” press 7 three times. Press ▲ or ▼ until the name, phone number, and distinctive ringer setting (**No Selectn** if not assigned) appear. 

3. Press /SPEED DIAL/◀ (if you view the phonebook during a call) or **END** to exit. 

### NOTE

- If no matching record is found in the phonebook, the first record that starts with the next alphabetical character appears.
- **/SD** appears when you review the one-touch speed dial memory. **/SPDn** appears when you review any speed dial location.
- If you receive a CIDCW message, the viewing operation is canceled.
- If you do not press a key within 30 seconds during operation, the phone exits the memory mode (and returns to the call if you were talking on the phone).
- If you press **END** during the operation, the phone exits the memory mode (and the call disconnects if you were talking on the phone).



#### NOTE

The memory location for One-Touch Speed Dialing is independent from the phonebook memory locations.

## STORING A ONE-TOUCH SPEED DIAL NUMBER

You can store one number you dial often in the one-touch speed dial memory. The one touch dial allows you to dial a number with one key press. ✓

1. Lift the handset and press /SPEED DIAL/◀ .
2. Press ▼ once to access the speed dial (SD) menu. **Empty** and SD appear.
3. Store the name, phone number, and distinctive ring by following Steps 2–12 in “Storing/Editing Data in the Phonebook” on Page 19.
4. Press **SEL/CH. Done!** appears.

## DIALING A NUMBER IN MEMORY

*To dial a number stored in the phonebook, lift the handset and press /SPEED DIAL/◀ . Then, follow Step 2 in “Reviewing Names and Numbers in the Phonebook” on Page 21 to recall the number and press **TALK/FLASH** to dial the number.*

You can also dial a phonebook number after pressing **TALK/FLASH**. Press /SPEED DIAL/◀ . Then ▲ or ▼ . Then press **SEL/CH** to dial the number.

*To dial a number stored in speed dial, hold down the number key that corresponds to the speed dial location number. The record appears. Press **TALK/FLASH** to dial the number.*

*To dial the number in one-touch speed dial memory, hold down /SPEED DIAL/◀ . The phone automatically dials the number.*

## CHAIN-DIALING SERVICE NUMBERS

To quickly recall numbers for special services (such as bank-by-phone), store each group of numbers in its own memory location.

1. Dial the service's main number first, either manually, from memory, or from the Caller ID memory.
2. Then, when you are prompted to enter the number, press **☰/SPEED DIAL/◀**, use **▲** or **▼** to scroll through the memory until you reach the next group of numbers, and press **SEL/CH**.  
☑

## TESTING STORED EMERGENCY NUMBERS

If you store an emergency service's number (police department, fire department, ambulance) and you choose to test the stored number, make the test call during the late evening or early morning hours to avoid peak demand periods. Also, remain on the line to explain the reason for your call.

## DELETING A NUMBER

1. Recall the phonebook, speed dial, or one-touch speed dial number you want to delete.
2. Press **DEL/TRSF**. **Delete Memory?** appears.
3. Press **▲** to select **Yes**.
4. Press **SEL/CH**. **Deleted!**, and then the next record (or **<Empty>** for one-touch speed dial) appears.

## TURNING THE DISTINCTIVE RINGER ON/OFF

1. Lift the handset and press **MENU/MUTE**.
2. Press **▲** or **▼** to select **Distinct. Ring**.
3. Press **SEL/CH**.
4. Press **▲** or **▼** to select **Distinctive On** or **Distinctive Off**.

### NOTE

You can use a number in the Caller ID memory for the second group of numbers. Recall the number (see "Reviewing Caller ID Records" on Page 27) and press **SEL/CH**.

5. Press **SEL/CH**. The phone sounds a confirmation tone.
6. Press **END** to exit.

## USING CALLER ID

If you subscribe to Caller ID service, the phone company sends information about the call, as well as the time and date, between the first and second rings of every call you receive. The phone displays this information after the second ring, and it stores Caller ID records. If the caller information is unavailable because the name and number were blocked by the caller, **Private Name or Private Number** appear (see “Caller ID Messages” on Page 28).

Where Caller ID is offered, one or more options are generally available:

- caller’s number only
- caller’s name only
- caller’s name and number

If you subscribe to Call Waiting with Caller ID, you hear a tone through the handset when a call comes in. Then the Caller ID record appears.

You can store up to 100 records between memory locations for Caller ID messages and phonebook locations. Once the 100 locations are full, if you receive a new message, the oldest Caller ID message is overwritten by the new message. 

### **NOTE**

If you use all 100 memory locations for phonebook records, the phone does not store any Caller ID messages.

## CALL WAITING DELUXE SERVICE

With this phone, you can use Call Waiting Deluxe Service from your phone company. This service provides you with more choices on how to handle a second call when you are already on the phone. You can switch between callers, have a 3-way conference call with both callers, send the second

caller to your voice mail, or answer the second caller with a prerecorded message asking them to hold the line.

Before you can use the Call Waiting Deluxe Services, you must:

- subscribe to the service from your telephone company.
- set the Caller ID/Call Waiting feature to **CW Deluxe** (see “Turning Caller ID/Call Waiting ON/OFF” on Page 13).

When a call comes in while you are already on the phone, a soft beep sounds and the caller name and phone number appear. ☑

1. Press **MENU/MUTE**. A list of several options, beginning with **Ask to Hold** appears.
2. Repeatedly press ▼ to scroll through the options list. You can also press the number of the desired option.
3. Choose one of the following options. Then press **SEL/CH**.

**Ask to Hold** — A prerecorded message states that you will be available shortly, and the caller is put on hold (see “Using Ask to Hold” on Page 26). **Call Holding** appears.

**Tell Busy** — A prerecorded message indicates you are busy, and the waiting call is disconnected. **Told Busy** appears.

**Forward Call** — The caller is sent to your voice mail, if available. **Forwarding Call** appears. ☑

**Answer/Drop 1** — Disconnects the first call, and connects automatically to the new caller.

**Answer/Drop 1st** appears.

☑ **NOTE** ☑

The phone exits the menu mode if you wait more than 30 seconds between each keypress.

☑ **NOTE** ☑

Voice Mail is a service available from some telephone companies. Messages are kept at the telephone company and retrieved later by calling a special number and entering the account phone number and code number. Check with your telephone company to determine if this service is available.

**Conference** — Allows you to have a 3-way conference call with your first and second callers (see “Using Conference”).

**Conferenced** appears.

**Drop First/Drop Last** — only use with a conference call.

## Using Ask to Hold

1. *If you decide you cannot end your first call, and you do not want to continue to leave the second call on hold, press **MENU/MUTE**.*

*To notify the second caller that you cannot take the call, scroll down to **Tell Busy** or press 2.*

*To send the second caller to voice mail (if you have voice mail), scroll down to **Forward Call** or press 3.*

*If you decide to take the second call and end the first, scroll down to **Answer/Drop 1st** or press 4.*

*If you decide to include the second caller in your conversation with the first caller, scroll down to **Conference** or press 5.*

2. Press **SEL/CH**.

## Using Conference

You can either begin a conference call as soon as you receive a second call, or after the second caller has been on hold for a while (see “Using Ask to Hold”). Once you have established a conference call, you can end it at any time by dropping one of the calls.

1. To end a conference call, press **MENU/MUTE**.
2. Scroll down to **Drop First** (or press 6) or **Drop Last** (or press 7) to drop the desired call.

**Drop First** — hang up on the first caller and continue with the second.

**Drop Last** — hang up on the second caller and continue with the first.

3. Press **SEL/CH. Call Dropped** appears.

## REVIEWING CALLER ID RECORDS

You can view the Caller ID list during a call or when the phone is on-hook.

The top line of each record shows the date, time and the number of calls from that number received if you have not yet reviewed the record. The second line shows the caller's name (if available), and the third line shows the caller's phone number. ☑

1. Press **CID/▶**. The numbers of the new and old records appear.
2. *To review the records in chronological order (from new to old or from old to new), repeatedly press ▼ to scroll through the records from the newest to the oldest, or ▲ to scroll back through the records.*

*To review the records in alphabetical order, select the desired message, and press the number key with the letter that corresponds to the first letter of the desired record. ☑*

3. To exit the Caller ID review, press **CID/▶** (if you view the Caller ID list during a call) or **END**. ☑

### NOTE

- The Caller ID record's number appears next to the received time. Once you have reviewed the new message, the number is cleared and disappears.
- Once you view the Caller ID list in alphabetical order, you cannot switch back to chronological order unless you exit and re-enter the operation.

### NOTE

- If you do not press a key within 30 seconds during any operation, the phone exits the Caller ID review mode and returns to the call (if you were talking on the phone).
- If you press **END** while talking on the phone, the phone exits the Caller ID review mode and the call is disconnected.

## CALLER ID MESSAGES

Display	Description
<b>New: XX</b> <b>Total: XX</b>	Shows the number of new Caller ID records (records you have not reviewed) and the total number of records.
<b>Private Name or Private Number</b>	The caller has blocked the Caller ID information.
<b>Unknown Name or Unknown Number</b>	The Caller is not within a Caller ID service area.
<b>Incomplete Data</b>	Appears if there was an error during the transmission of Caller ID information. Occasional errors are normal. If the phone frequently displays <b>Incomplete Data</b> , contact your local telephone company or your local RadioShack store.

### ADDING/DELETING THE AREA CODE

When the area code of the received call is the same as the one you stored (see “Storing your Area Code” on Page 13), the area code does not appear in the Caller ID record. If it is different, the area code appears in the record.

If you want to add or remove the area code from the display, press # when the record is on the display. Press # again to remove or restore the area code.

When you dial a number or store it in memory, the phone dials or stores the number as it appears on the display.

### DIALING NUMBERS FROM A CALLER ID RECORD

To dial a local number stored in a Caller ID record, recall the record and press **TALK/FLASH**. If you have not stored a local area code (see “Storing your Area

Code” on Page 13), the phone dials the full 10 digits, including the area code. ☑

To dial a long distance call, press **\*/TONE** (1 appears before the displayed number) before you press **TALK/FLASH**. If you want to add or delete the area code, press **#** before you press **TALK/FLASH**.

## STORING A CALLER ID RECORD IN MEMORY

1. Press **CID/▶**. Then recall the record you want to store.

*If it is a long distance number, press **\*/TONE**. Press **#** to add or delete the area code.*

2. Press **Ⓜ/SPEED DIAL/◀**.
3. Press **▲** or **▼** to choose **Store in PB?** (phonebook locations) or **Store in SD?** (one-touch speed dial). To cancel storing, select **Cancel**.
4. Press **SEL/CH**.

## DELETING CALLER ID RECORDS

### DELETING A SINGLE RECORD

1. Recall the record you want to delete.
2. Press **DEL/TRSF**. **Delete Message?** appears.
3. Press **▲** or **▼** to move the cursor to **Yes**. Then press **SEL/CH** or **DEL/TRSF**. The phone beeps to indicate the record was deleted.

### DELETING ALL RECORDS

1. Press **CID/▶** so the record totals appear.
2. Press **DEL/TRSF**. **Delete All?** appears.



#### NOTE

##### **Dialing Numbers From a Caller ID Record**

If a record does not contain a phone number (if it was blocked by the caller, for example), you cannot dial from that record.

##### **Storing a Caller ID Record in Memory**

- You cannot store a Caller ID message in the phonebook if a phone number does not appear in the message.
- You cannot set the distinctive ring or speed dial in this step. If you would like to set these options, see “Turning the Distinctive Ringer On/Off” on Page 23 or “Storing/Editing Data in the Phonebook” on Page 19.
- If all memory locations are full, the phone stores the displayed Caller ID message into the phonebook and at the same time deletes that message from the Caller ID memory.
- If a number is already stored in the one-touch speed dial location, the old number is overwritten by the new data.

## CAUTION

You must use a Class 2 power source that supplies 9V DC and delivers at least 210 mA. Its center tip must be set to positive and its plug must fit the charger DC IN 9V jack. The supplied adapter meets these specifications. Using an adapter that does not meet these specifications could damage the handset or the adapter.

Always connect the AC adapter to the charger before you connect it to AC power. When you finish, disconnect the adapter from AC power before you disconnect it from the charger.

## NOTE

- If you mounted the base on the wall, place the handset with the keypad facing out.
- You must re-register the optional handset each time you change the original unit's digital security code.
- If you set CW Deluxe on the optional handset to **On** while CIDCW on the base handset is set to **Off**, the Caller ID/Call Waiting information does not appear on the optional handset, but you can still recall and use the CW Deluxe menu.

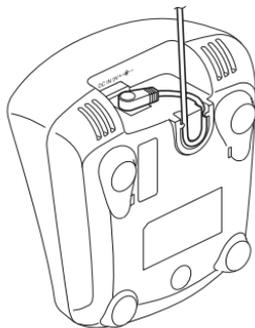
3. Press **▲** or **▼** to move the cursor to **Yes**. Then press **SEL/CH** or **DEL/TRSF**. The phone beeps to indicate the record is deleted.

## USING AN OPTIONAL HANDSET

You can add up to eight additional handsets (Cat. No. 43-3538 [black] or 43-3597 [white], available from RadioShack) to your system.

## CHARGING THE BATTERY PACK

The charger is powered by the supplied 9V, 210 mA AC adapter. Insert the supplied AC adapter's barrel plug into the **DC IN 9V** jack on the back of the charger. Route the cord through the strain relief slot and plug the adapter into a standard AC Outlet.



Be sure you have connected the battery pack as described in "Connecting and Charging the Battery Pack" on Page 9. Then place the handset on the charger. The CHARGE indicator on the charger lights. **Total:0** and **HS2** appear on the display while the handset is charging.

The second handset supplied with 43-3598 is already registered at the factory so you do not need to register it. Other handset(s) must be registered before use. To register, simply place the handset on the base until you hear the confirmation tone. If you do not hear the confirmation tone, register the handset again.

You can use the optional handsets in the same way as the base handset with a few exceptions. The

dialing mode and Caller ID settings are set by the base handset, except for the auto talk, area code, and Call Waiting Deluxe settings. All other menu settings (ringer volume and tone, distinctive ring, and display language) and memories (phonebook and one-touch speed dial) are independent and can be set as you like.

To turn Call Waiting Deluxe for the optional handset on or off: 

1. While the phone is on-hook, press **MENU/MUTE**.
2. Press **▲** or **▼** to move the pointer to **Caller ID Setup**. Then press **SEL/CH**.
3. Press **▲** or **▼** to select **CW Deluxe**. Then press **SEL/CH**.
4. Press **▲** or **▼** to select **CW Deluxe On or Off**. Then press **SEL/CH**.

## MAKING AND RECEIVING CALLS

Only one handset at a time can make or receive calls. If you press **TALK/FLASH** on one handset while the other is in use, you hear a beep and cannot access the line. 

## PAGING

When you press a key on one handset to stop paging, the sound from the other handset also stops.

## CALLER ID/CALL WAITING

When you receive a Caller ID/Call Waiting notification during a call, the information appears and is stored only in the in-use handset. Any Caller ID information that arrives while the phone is on-hook is stored in all handsets.

### **NOTE**

- Pressing **TALK** on more than one handset at the same time causes interference between the handsets.
- Pressing **END** on one handset terminates the call on all handsets.
- Moving outside the handset-to-base communication range may terminate the call.

## TRANSFERRING A CALL

You can transfer an outside call from one handset to another.

1. Press **DEL/TRSF** at the originating handset during a call. The call is automatically put on hold and the transfer tone sounds.
2. Press **TALK/FLASH** on the receiving handset. If Auto Talk is on, just lift the handset from the base or press **TALK/FLASH** or any number key including \* and #. If the call is not picked up in 5 minutes, the caller is disconnected.
3. To cancel the transfer, press **DEL/TRSF** or **TALK/FLASH** on the handset.

## CARE

Keep the telephone dry; if it gets wet, wipe it dry immediately. Use and store the telephone only in normal temperature environments. Handle the telephone carefully; do not drop it. Keep the telephone away from dust and dirt, and wipe it with a damp cloth occasionally to keep it looking new.

## SERVICE AND REPAIR

If your telephone is not performing as it should, take it to your local RadioShack store for assistance. Modifying or tampering with the telephone's internal components can cause a malfunction and might invalidate its warranty.

# TROUBLESHOOTING

We do not expect you to have any problems with your phone, but if you do, these suggestions might help.

Problem	Suggestion
The phone does not work or works poorly.	<p>Be sure the base's phone line cord and AC adapter are correctly and securely connected.</p> <p>Be sure the battery pack in the handset is connected and charged (see "Connecting and Charging the Battery Pack" on Page 9).</p> <p>Be sure the handset is properly registered with the base.</p>
The handset stops working or works poorly during a call.	<p>Move the handset closer to the base.</p> <p>Be sure the handset's battery pack is charged. (If the battery pack's power is too low, the handset does not have enough power to light the display.)</p> <p>Lift the base's antenna to a vertical position.</p> <p>Check the charging contacts on the handset and base. If they are dirty, clean them with a pencil eraser.</p>
Your conversation is difficult to hear due to dropout, muting, low volume, or unusual sounds.	<p>Someone has picked up another phone on the same line. Hang up the other phone.</p> <p>Keep the handset away from computers, remote control toys, wireless microphones, alarm systems, intercoms, room monitors, fluorescent lights, and electrical appliances.</p> <p>Move to another location or turn off the source of the interference.</p> <p>Hang up and redial the number.</p>
The handset's range has decreased so the phone does not operate at a useful distance from the base.	<p>Be sure the antennas do not touch a metal surface.</p> <p>Recharge the battery pack.</p>
The handset's battery pack does not charge.	<p>Check the charging contacts on the handset and base. If they are dirty, clean them with a pencil eraser.</p> <p>Be sure the battery pack is connected correctly.</p> <p>Be sure the handset is properly seated on the base.</p> <p>Replace the battery pack.</p>
The handset does not ring or receive a page.	<p>Move the handset closer to the base.</p> <p>Be sure the battery pack in the handset is properly connected and charged.</p> <p>Move the base away from other electrical devices.</p> <p>Be sure the ringer is on.</p>

## **! IMPORTANT !**

Your phone operates on standard radio frequencies as allocated by the FCC. It is possible for other radio units operating nearby on similar frequencies to unintentionally intercept your conversation or cause interference. This possible lack of privacy can occur with any cordless phone.

## **FCC STATEMENT**

Your telephone complies with Part 68 of *FCC Rules*. You must, upon request, provide the FCC registration number and the REN to your telephone company. Both numbers are on the bottom of your telephone. !

You must not connect your telephone to:

- coin-operated systems
- party-line systems
- most electronic key telephone systems

## **THE FCC WANTS YOU TO KNOW**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the *FCC Rules*. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult your local RadioShack store or an experienced radio/TV technician for help.
- If you cannot eliminate the interference, the FCC requires that you stop using your telephone.

Changes or modifications not expressly approved by RadioShack may cause interference and void the user's authority to operate the equipment.

## **SURGE PROTECTION**

Your telephone has built-in protection circuits to reduce the risk of damage from surges in telephone line and power line current. These protection circuits meet or exceed the FCC requirements. However, lightning striking the telephone or power lines can damage your telephone.

Lightning damage is not common. Nevertheless, if you live in an area that has severe electrical storms, we suggest that you unplug your phone when storms approach to reduce the possibility of damage.

### Limited One-Year Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for one (1) year from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RadioShack Customer Relations, 200 Taylor Street,  
6th Floor, Fort Worth, TX 76102

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## IMPORTANT INFORMATION

Your telephone is UL listed and meets all applicable FCC requirements.

We have designed your phone to conform to federal regulations, and you can connect it to most telephone lines. However, each device, such as a telephone or answering machine, that you connect to the telephone line draws power from the telephone line. We refer to this power draw as the device's ringer equivalence number, or REN. The REN is on the bottom of your phone.

If you use more than one phone or other device on the line, add up all of the RENs. If the total is more than five (three in rural areas), your telephones might not ring. If ringer operation is impaired, remove a device from the line.