

## 900 MHz Big Button Cordless Telephone with Lighted Keypad and 3-Band Equalizer

OWNER'S MANUAL — Please read before using this equipment.

### FEATURES

Your RadioShack 900Mhz Big Button Cordless Telephone offers the latest advances in cordless phone technology including a space saving design. Its headset jack lets you connect an optional headset (available at your local RadioShack store) for hands-free convenience while you use the phone.

Your phone includes these additional features:

**3-Emergency and 10-Memory Speed Dial** — stores up to 3 emergency numbers and 10 frequently called numbers for easy dialing.

**Incoming Call and Battery Indicator** — the antenna's built-in indicator lights when the phone is in use, when you have an incoming call (even when the ringer is off), and when the battery is low.

**3-Band Equalizer/Tone Control** — lets you control the frequency and volume of the sound you hear through the handset.

**Lighted Handset Keypad** — lights when you press any key or receive a call, making the phone easy to use, even in total darkness.

**Ample Talk and Standby Time** — when fully charged (about 12 hours), the supplied battery provides about 7 hours (when the equalizer is off) or 5 hours (when the equalizer is on) of talk time or 7 days of standby time.

**Security Access-Protection Code** — prevents other cordless phone users from using your phone line.

**10-Channel Auto Scan** — automatically selects a clear channel when you make or answer a call.

**Page** — lets you send a paging signal from the base to the handset to help locate a misplaced handset or page someone at the handset.

**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.



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



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

Your phone is ETL listed to UL standards and meets all applicable FCC standards.

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## READ THIS BEFORE INSTALLATION

Each device that you connect to the phone line draws power from the phone line. We refer to this power draw as the device's ringer equivalence number, or REN. The REN is on the bottom of the base.

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

## FCC STATEMENT

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

**Note:** You must not connect your phone to any of the following:

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

## THE FCC WANTS YOU TO KNOW

In the unlikely event that your phone causes problems on the phone line, the phone company can temporarily discontinue your service. If this happens, the phone company attempts to notify you in advance. If advance notice is not practical, the phone company notifies you as soon as possible and advises you of your right to file a complaint with the FCC.

Also, the phone company can make changes to its lines, equipment, operations, or procedures that could affect the operation of this telephone. The telephone company notifies you of these changes in advances, so you can

take the necessary steps to prevent interruption of your telephone service.

This equipment complies with the limits for a Class B digital device as specified in Part 15 of the *FCC Rules*. These limits provide reasonable protection against radio and TV interference in a residential area. However, your equipment might cause TV or radio interference even when it is operating properly. To eliminate interference, you can try one or more of the following corrective measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and the radio or TV.
- Use outlets on different electrical circuits for the equipment and the radio or TV.

Consult your local RadioShack store if the problem still exists.

**Warning:** Changes or modifications to this phone not expressly approved by the party responsible for compliance could void the user's authority to operate the phone.

## LIGHTNING

Your telephone has built-in lightning protection to reduce the risk of damage from surges in telephone line and power line current. This lightning protection meets or exceeds FCC requirement. 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.

## MOUNTING THE PHONE

### Choosing a Location

You can place the phone on a desk or table, or mount it on a standard wall plate or directly on a wall.

Select a location that is:

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

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

#### Notes:

- Your telephone connects directly to a modular telephone line jack. If your phone line jack is not a modular jack, you can update the wiring yourself, using jacks and adapters available at your local RadioShack store. Or, you can let the phone company update the wiring for you.
- The USOC number of the jack to be installed is RJ11C or RJ11W.

Use the supplied 12V, 200 mA AC/DC adapter to power the phone.

#### Cautions:



You must use a Class 2 power source that supplies 12V DC and delivers at least 200 mA.

Its center tip must be set to positive and its plug must fit the phone's **DC 12V 200mA** jack. The supplied adapter meets these specifications. Using an adapter

that does not meet these specifications could damage the phone or the adapter.

- 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 Desk

Follow these steps to place the base on a desk or table using the supplied bracket.

1. Insert the bracket's tabs into the base's upper tab slots in the direction of **DESKTOP** marked on the bracket, then press down on the bracket's clips and insert them into the clip slots.
2. Plug one end of the supplied 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 12V 200mA** jack on the back of the base.
5. Route the adapter's cord through the strain relief slot on the bracket.
6. Plug the adapter into a standard AC outlet.
7. Lift the base's antenna to a vertical position.

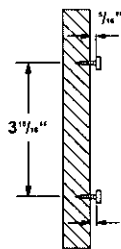
### On a Wall Plate or Wall

1. Insert the supplied bracket's tabs into the base's lower tab slots in the direction of **WALL MOUNT** marked on the bracket, 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.

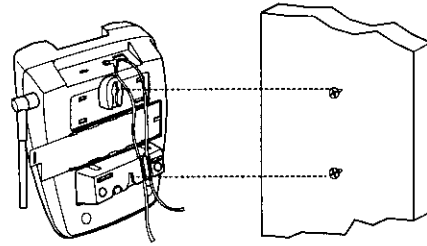
3. Insert the supplied AC adapter's barrel plug into the **DC 12V 200mA** jack on the back of the base.
4. Route the adapter's cord through the narrow groove on the bottom of the bracket.
5. Plug the modular cord into the wall plate jack, then align the bracket's keyhole slots with the wall plate studs and slide the base downward to secure it.
6. Plug the adapter into a standard AC outlet.
7. Press and lift out the handset holder, turn it over and upside down so its tabbed edge faces up, then slide it back down into its slot.
8. Lift the base's antenna to a vertical position.

**Note:** To mount the phone directly on a wall, you need two screws (not supplied) with heads that fit into the keyhole slots on the bottom of the base. Follow the steps under "On a Wall Plate or Wall" on Page 3, then apply these additional instructions.

1. Drill two holes  $3\frac{15}{16}$  inches (100 mm) apart. Then thread a screw into each hole, letting the heads extend about  $\frac{5}{16}$  inch (8 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. Align the keyhole slots with the mounting screws and slide the base downward to secure it.



## CONNECTING, CHARGING, AND REPLACING THE BATTERY PACK

The phone comes with a rechargeable nickel-cadmium battery pack. You must connect the battery pack and charge it for at least 12 hours before you use the phone for the first time.

1. Press down and slide off the battery pack compartment cover.
2. Unfasten the retainer strap and lift the battery pack out of the compartment.
3. Plug the battery pack's connector into the socket in the compartment (the connector fits only one way), then replace the battery pack and fasten the retainer strap.
4. Replace the cover.

To charge the battery pack, place the handset facedown or face up on the base. The **CHARGE/IN USE** indicator lights.

### Notes:

- Recharge the battery pack if the handset beeps twice every 7 seconds and the indicator in the handset's antenna flashes while you are using the phone. Or, if the indicator in the handset's antenna flashes when the phone is not in use.

- When you first use the phone after charging or recharging the battery pack, the phone might not work. Return the handset to the base for about 5 seconds to reset the security access-protection code.
- About once a month, fully discharge the battery pack by keeping the phone off the base until the indicator in the antenna flashes slowly and the handset beeps twice every 7 seconds when the phone is in use. (When the phone is not in use, the indicator in the antenna flashes slowly.) Otherwise, the battery pack loses its ability to fully recharge.
- If the CHARGE/IN USE indicator does not light when you place the handset on the base, be sure the AC adapter is correctly and securely connected. Also, check the charging contacts on the handset and base. If the contacts are dirty or tarnished, clean them with a pencil eraser.
- When the handset is on the base, the CHARGE/IN USE indicator lights even when the battery pack is not connected. If your phone does not work, be sure the battery pack is properly connected.
- If the battery pack becomes completely discharged or the base loses power while the handset is away from it, place the handset on the base for about 5 seconds to reset the security access-protection code. If the handset loses power, leave it on the base to charge the battery pack.
- If you will not use your phone for a long time, disconnect its battery pack. This helps increase the battery pack's life.

The supplied battery pack should last about a year. If the battery pack does not hold a charge for more than 2 hours after an overnight charge, replace it with a new 3.6V, 600 mAh NiCd rechargeable 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, place the handset on the base, and charge the battery for 12 hours before using it.

**Note:** To avoid losing numbers stored in memory, you must install and begin charging the new battery pack within 2 minutes of removing the old one.

**Warning:** Dispose of the old battery pack promptly and properly. Do not burn or bury it.

#### Cautions:

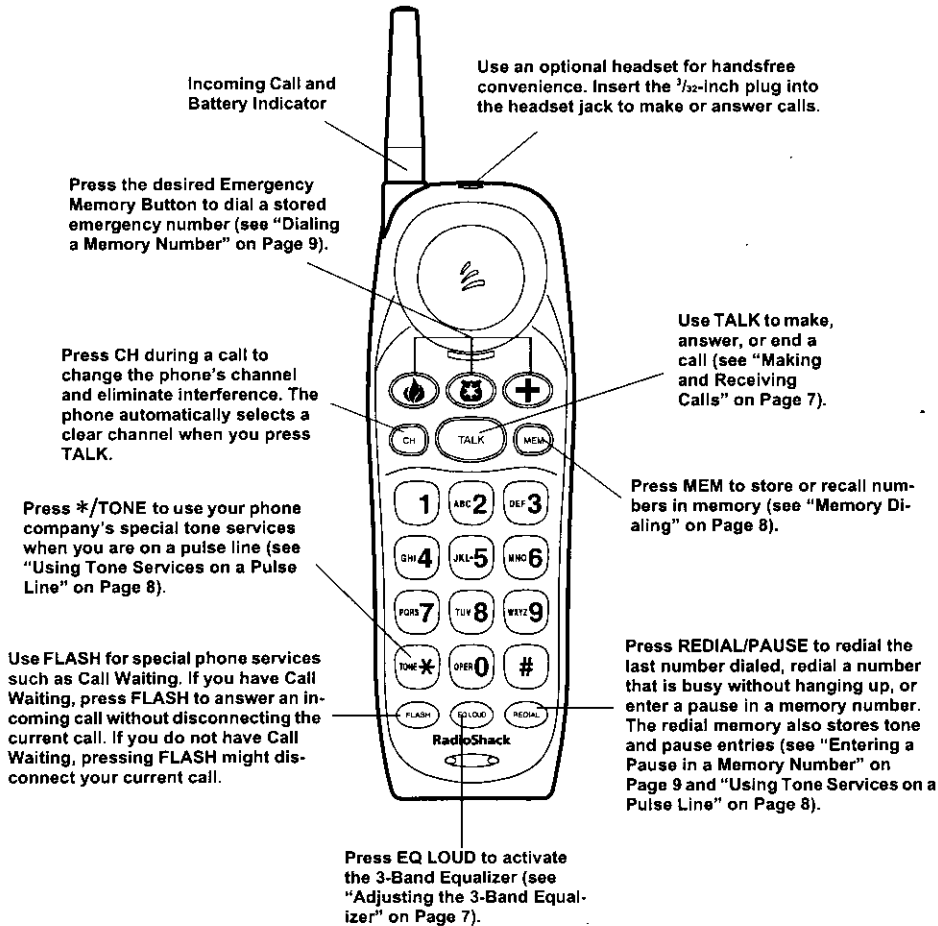
- You must use a replacement battery pack of the same size and type.
- Do not dispose of the battery pack in a fire because it might explode.
- Do not open or mutilate the battery pack.
- Be careful not to short the battery pack by touching the connector's pins with conducting materials, such as rings, bracelets, and keys. The battery pack or conductor might overheat and burn.

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

**Important:** The EPA certified RBRC® Battery Recycling Seal on the nickel-cadmium (Ni-Cd) battery indicates RadioShack is voluntarily participating in an industry program to collect and recycle these batteries at the end of their useful life, when taken out of service in the United States or Canada. The RBRC program provides a convenient alternative to placing used Ni-Cd batteries into the trash or the municipal waste stream, which may be illegal in your area. Please call 1-800-THE-SHACK (1-800-843-7422) for information on Ni-Cd battery recycling and disposal bans/restrictions in your area. RadioShack's involvement in this program is part of the company's commitment to preserving our environment and conserving our natural resources.



## A QUICK LOOK AT THE HANDSET



## SETTING THE RINGERS

**RINGER OFF/ON** on the side of the handset and **RINGER ON/OFF** on the back of the base control the handset and base ringers respectively. To have the handset and base ring when a call comes in, set both ringers to **ON** and leave the handset off the base. To turn the ringers off, set **RINGER** to **OFF**.

When both ringers are set to **OFF**, the handset and base do not ring, but you can still make outgoing calls. If you hear an extension telephone ring, you can answer the incoming call on this phone. The indicator in the handset's antenna and the **CHARGE/IN USE** indicator on the base flash until you answer the call.

**Note:** If you set both ringers to **ON** and the handset is on the base, only the base rings when a call comes in; the handset does not ring. If the base ringer is set to **OFF** and the handset is on the base with the handset ringer **ON**, you will not hear the phone ring when there is an incoming call.

## SETTING THE DIALING MODE

Set **TONE/PULSE** on the bottom of the base for the type of service you have. If you are not sure which type you have, do this simple test after charging the battery pack.

1. Set **TONE/PULSE** to **TONE**.
2. Lift the handset from the base and press **TALK** so the base's **CHARGE/IN USE** and the handset antenna's indicators light, then listen for a dial tone.
3. Press any number other than 0 and 1.

**Note:** If your phone system requires that you dial an access code (9, for example) before you dial an outside number, do not press the access code either.

*If the dial tone stops, you have touch-tone service.*

*If the dial tone continues, you have pulse service.*

If you have tone service, leave **TONE/PULSE** set to **TONE**. If you have pulse service, set **TONE/PULSE** to **PULSE**.

To hang up, place the handset on the base or press **TALK**.

## MAKING AND RECEIVING CALLS

To make a call, lift the handset from the base, then press **TALK**. You hear a dial tone, and the base's **CHARGE/IN USE** and the handset antenna's indicators light. Dial the desired number.

To answer a call, lift the handset off the base, then press **TALK**. The **CHARGE/IN USE** indicator on the base and the handset antenna's indicator light.

### Notes:

- When you press a button, a single tone indicates that the phone has accepted the command. Three tones indicate that you pressed a button in error or there is severe interference. (See "A Quick Look at the Handset" on Page 6).
- If interference is severe, the handset might lose communication with the base and the call might disconnect. If this happens, return the handset to the base for about 5 seconds to reset the security access-protection code.

## ADJUSTING THE 3-BAND EQUALIZER

You can control the handset's frequency and volume by adjusting the 3-band (**HI**, **MID**, **LOW** frequency) equalizer on the back of the handset. Press **EQ OFF/ON** on the side of the handset or **EQ LOUD** on the keypad to turn on the equalizer. **EQ LOUD** lights when you press either **EQ OFF/ON** or **EQ LOUD** to indicate the

equalizer is on. Adjust the 3-band equalizer located on the back of the handset to the desired level. Slide the bands toward **MAX** to increase the sound, or towards **MIN** to decrease the sound level within each range. When you finish, press **EQ OFF/ON** or **EQ LOUD** to turn the equalizer off. EQ LOUD turns off.

#### Notes:

- The equalizer resets to the normal level whenever you hang up the handset.
- You can adjust the frequency and volume only when the equalizer is turned on.

## USING TONE SERVICES ON A PULSE LINE

Some special services, such as bank by phone, require tone signals. If you have pulse service, you can still use these tone services by following these steps:

1. Dial the service's main number.
2. When the service answers, press **TONE/ \***. Any additional numbers you dial are sent as tone signals.
3. After you complete the call, press **TALK** or return the handset to the base. The phone automatically resets to pulse dialing.

## USING PAGE

You can send a page to the handset to locate it when it is away from the base and not in use. To page the handset, press **PAGE** on the base. The handset beeps for about 15 seconds. To find the handset, press and hold **PAGE**. The handset beeps for about 1 minute. Press any key on the handset or **PAGE** on the base to silence it sooner.

## MEMORY DIALING

You can store up to 3 direct emergency numbers and 10 indirect memory numbers of 16 digits each in the phone's memory.

#### Notes:

- To keep your accounts secure, we recommend you do not store your personal access code for services such as bank by phone in a memory location.
- When storing numbers for special services (such as alternate long-distance or bank by phone), store the service's main phone number in one memory location and numbers for additional information in other locations.

### Storing a Number in Memory

1. Press **MEM**. The handset antenna's indicator flashes.
2. Dial the desired number (up to 16 digits).
3. Press **MEM** again to store the number.
4. Press a memory location number (1–0) or one of the three emergency buttons. The handset sounds two long beeps.

**Note:** If you hear three short beeps, you did not store the number successfully or you entered more than 16 digits. Start again from step 1.

Pull the memory label out from the right side of the base and write the name in the respective memory location number on the memory label.

#### Notes:

- The handset beeps twice every 7 seconds and the indicator in the antenna flashes slowly while the phone is in use. When the phone is not in use, the indicator in the antenna flashes slowly. If this happens, recharge or replace the battery



within 2 minutes, or the numbers stored in memory will be lost.

- If you receive a call while you are storing a number in memory, press **TALK** to answer the call. After the call, begin again at step 1.
- To change a number stored in memory, simply store a new number in that memory location.

### Dialing a Memory Number

To dial a direct emergency number, press **TALK**. When you hear the dial tone, press the desired emergency key. The phone dials the number.

To dial an indirect memory number, press **TALK**. When you hear a dial tone, press **MEM** then the memory location number (1-0). The phone dials the number.

### Entering a Pause in a Memory Number

In some telephone systems, you must 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 with the phone number. However, if you do, you should also store a pause after the access code to allow the outside line time to connect. After entering the access code, press **REDIAL** to enter a 2-second pause.

### Chain Dialing Service Numbers

To quickly recall special services numbers (such as alternate long distance or bank by phone), store each group of numbers in its own memory location. When calling special services, dial the service's main number first. Then, at the appropriate place in call, press **MEM**, then the number for the location where the additional numbers are stored.

**Note:** If you use pulse dialing, be sure you have stored a tone entry in another memory location (see "Using Tone Services on a Pulse Line" on Page 8).

### Testing Stored Emergency Numbers

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

## TROUBLESHOOTING

We do not expect you have any problem with your telephone, but if you do, these suggestions might help.

Problem	Suggestion
The handset does not work.	Move the handset closer to the base.
	Raise the base's antenna to a vertical position.
	Make sure the phone's modular cord and the AC adapter are correctly and securely connected.
	Recharge the handset's battery pack.
	Return the handset to the base for about 5 seconds to reset the security access-protection code.
	Make sure the handset's battery pack is connected and charged.
The call is noisy.	Keep the handset and the base away from interference sources such as computers, remote control toys, wireless alarm systems, wireless intercoms and room monitors, fluorescent lights, and electrical appliances. If the interference is severe, turn off the interfering device.
	Move the handset closer to the base.
	Hang up and redial the number.
	Press <b>CH</b> to change the channel.
The range decreases.	Recharge the handset's battery pack.
The handset battery pack does not charge.	Check the charging contacts on the handset and base. If they are dirty, clean them with a pencil eraser.
	Be sure the battery pack is connected correctly.
	Be sure the handset is properly seated on the base.
	Replace the battery pack (see "Connecting, Charging, and Replacing The Battery Pack" on Page 4).
You can receive calls, but you cannot make calls.	Set <b>TONE/PULSE</b> correctly for the type of service you have (see "Setting the Dialing Mode" on Page 7).
You cannot adjust the 3-band equalizer.	Be sure the equalizer is turned on (see "Adjusting the 3-Band Equalizer" on Page 7).

If you still have problems, disconnect the phone. If other phones on the same line work properly, the fault is in this phone or its installation. If you cannot find the problem, take the phone to your local RadioShack store for assistance.

## CARE

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

Modifying or tampering with the phone's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it. If your phone is not performing as it should, take it to your local RadioShack store for assistance. If the trouble is affecting the telephone lines, the phone company can ask you to disconnect your phone until you have resolved the problem.

### 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.

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