900MHz Cordless Telephone with Headset Jack

43-3533/3534/3541/3542/3543

10-Number Memory Dialing — lets you store up to 10 numbers (1 one-touch and 9 speed-dial) in memory for easy dialing.

20 Channels — you can automatically select a clear channel when you make or answer a call, or you can manually change channels.

Ample Talk and Standby Time — the supplied battery (when fully charged) provides about 7 hours of talk time or 14 days of standby time.

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

Quick Talk— lets you set the phone to answer a call by simply lifting the handset from the base.





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As an ENERGYSTAR Partner, RadioShack Corporation has determined that this product meets the ENERGYSTAR guidelines for energy efficiency.

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 fix 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.
- 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 it 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. 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.
- 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

- 1. 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.
- 3. 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.

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To reduce the risk of fire or injury, read and follow these instructions.

IMPORTANT !

- Cordless phones such as this one 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.
- When AC power is lost, the phone loses the security access-protection code connection between the base and the handset. When power is restored, put the handset on the base briefly to restore this connection so you can use the handset.
- 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.

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 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.

• 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.

- 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.
- 5. Charge the battery pack provided or identified for use with this product only in accordance with the instructions and limitations specified in the instruction manual provided for this product.
- 6. Observe proper polarity orientation between the battery pack and battery charger.

SAVE THESE INSTRUCTIONS

INTRODUCTION

Thank you for purchasing the RadioShack 900 MHz Cordless Telephone. Your phone uses the 900 MHz band for less interference, clearer sound, and greater range than 46/49 MHz cordless telephones. Its headset jack means you can connect an optional headset for hands-free convenience.

INSTALLATION

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 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.

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 online at RadioShack.com), 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*. The USOC number of the jack to be installed is RJ11C (or RJ11W for a wall plate jack). To mount the phone directly on a wall, you need two screws (not supplied) with heads that fit into the keyhole slots on the back of the base. Drill two holes $3^{15}/_{16}$ inches (100 mm) apart. Then thread a screw into each hole, letting the heads extend about $1/_8$ inch (3 mm) from the wall.

- 1. Plug one end of the supplied modular cord (long for a desktop or direct wall mounting, short for a wall plate) into the **TEL LINE** jack on the bottom of the base.
- Insert the supplied AC adapter's barrel plug into the DC IN 9V jack on the bottom of the base and route the adapter's cord through the strain relief slot on the base.
- 3. Route the adapter and modular cords through the molded routing channels on the back of the base as shown here.
- 4. For a wall plate, plug the other end of the short modular cord into the wall plate jack.



- 5. For a wall plate or direct wall mounting, align the base's keyhole slots with the wall plate studs or mounting screws and slide the base down to secure it.
- 6. For a desktop or direct wall mounting, plug the other end of the modular cord into a modular phone line jack.
- 7. Plug the adapter into a standard AC outlet.

CONNECTING AND CHARGING THE BATTERY PACK

The phone comes with a rechargeable nickel-cadmium battery pack in the handset, but not connected. Before using your phone, you must connect the battery pack, then charge it for about 15–20 hours.

- 1. Press down and slide off the battery compartment cover in the direction of the arrow to remove it.
- 2. 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 place the battery pack in the compartment.
- 4. Replace the cover.

To charge the battery pack, place the handset on the base. The CHARGE/IN USE indicator on the base lights. Recharge the battery pack when the handset beeps and TALK/BATT flashes. $\underline{\wedge}$

! 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.



Dispose of the old battery pack promptly and properly. Do not burn or bury it. See "Battery Safety Instructions" on Page 3 for additional information on proper battery handling.

RECHARGING THE BATTERY PACK

- If the CHARGE/IN USE indicator does not light when you place the handset on the base, be sure the battery pack and AC adapter are correctly and securely connected. Also, check the charging contacts on the handset and the base. If the contacts are dirty or tarnished, clean them with a pencil eraser.
- When you first use the phone after charging or recharging the battery pack, the phone might not work and you might hear an error tone. Return the handset to the base for about 3 seconds to reset the security access-protection code.
- If the battery pack becomes weak during a call, the handset beeps every 3 seconds and TALK/BATT flashes. When this happens, recharge the battery pack.
- If TALK/BATT does not light and the phone does not work, recharge the battery pack. (The battery power might be too low to light TALK/BATT.)
- About once a month, fully discharge the battery by keeping the handset off the base until TALK/BATT flashes. Otherwise, the battery pack loses its ability to fully recharge.
- The handset loses its security access-protection code if the battery pack is completely discharged. Place the handset on the base to recharge the battery pack and reset the code.
- If you are not going to use your phone for an extended period, disconnect the battery pack. This increases the battery pack's usable life.

The supplied battery pack should last for 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 2.4-volt, 600 mAh battery pack with a connector that fits the socket in the battery compartment. You can order a replacement battery pack through RadioShack. 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 for assistance.

SETTING THE RINGER TONE

You can select either a high or low ringer tone setting on the handset while the phone is not in use. Lift the handset and press VOL/RING to hear the current ringer setting. Repeatedly press VOL/RING to select the desired ringer setting.

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 listen for a dial tone.
- 2. Press any number other than $\mathbf{0}.\mathcal{V}$

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

To set the dialing mode, hold down **FLASH** until the phone beeps and TALK/BATT flashes, then press **#** to set the phone to pulse mode or **TONE**/* to set the phone to tone mode.

OPERATION

MAKING AND RECEIVING CALLS

To make a call, lift the handset and press **TALK**. To answer a call, simply lift the handset. Or, if the handset is not in place on the base, press **TALK** or any number key, **#**, or *****. The TALK/BATT indicator on the handset and the CHARGE/IN USE indicator on the base light.

To end a call, place the handset on the base or press END. The TALK/BATT and CHARGE/IN USE indicators turn off. ${\cal J}$

SELECTING THE CHANNEL

The phone scans 20 channels (frequency pairs used between the base and the handset) and automatically selects a clear channel each time you make or receive a call.

If you hear other conversations or you experience difficulty hearing the conversation, press **CHANNEL** to select a different channel. TALK/BATT flashes and the handset beeps, followed by a brief pause as your phone searches for a clear channel. \checkmark

Adjusting the Handset's Volume

To adjust the volume of the sound you hear through the handset during a call, repeatedly press **VOL/RING**.

USING REDIAL

You can quickly dial the last number you dialed. Lift the handset and press PAUSE/REDIAL when you hear a dial tone. $\ensuremath{\mathcal{V}}$

USING FLASH

FLASH performs the electronic equivalent of a switchhook operation for special services, such as Call Waiting. For example, if you have Call Waiting, press **FLASH** to answer an incoming call without disconnecting the current call. Press **FLASH** again to return to the first call. \Im

BNOTE B

Setting the Dialing Mode

- If your phone system requires that you dial an access code (9, for example) before you dial an outside number, do not dial the access code.
- The phone exits setting mode if a call or page is received, or if you press END.
- If the battery power becomes too low, the dialing mode might reset to tone. If you are on a pulse line and cannot make a call, try setting the dialing mode to pulse.

Making and Receiving Calls

If the handset is too far from the base while the phone is in use, pressing **END** might not disconnect the phone. Hang up the handset on the base.

Selecting the Channel

If the handset is too far from the base, an error tone sounds and the channel might not change. Move closer to the base.

Using Redial

- The redial memory holds up to 24 digits, so you can redial longdistance as well as local numbers.
- The redial memory also holds pause entries (see "Entering a Pause" on Page 9).
- The redial memory does not store a flash entry or any digits you press before **FLASH** (see "Using Flash" on Page 7).

Using Flash

If you do not have any special phone services, pressing **FLASH** might disconnect the current call.

USING TONE SERVICES ON A PULSE LINE

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

- 1. Dial the service's main number. When the service answers, press **TONE**/*. Any additional numbers you dial are sent as tone signals. The phone's dial mode resets to pulse when you make or receive a call.
- 2. After you complete the call, return the handset to the base or press **END**. The phone automatically resets to the pulse mode.

PAGING

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 1 minute. To stop the page, press any key on the handset, place the handset on the base, or press **PAGE** on the base again.

USING A HEADSET

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

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. \Im

With a headset connected, you can make or answer calls as usual using the keys on the handset.

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

MEMORY DIALING

You can store up to 10 phone numbers in memory, then dial a stored number by entering its memory location number. You can also dial a number stored in memory location number 1 by pressing **SPEED DIAL**. Each number can be up to 16 digits.

STORING A NUMBER IN MEMORY

- 1. Lift the handset.
- 2. Press MEM. TALK/BATT blinks.

NOTE

- If you place the handset on the base to recharge it while the headset is connected, be sure the handset seats properly.
- You can use a handset holder (available from RadioShack) to hang the handset on your belt for greater convenience when using a headset.
- Connecting a headset disconnects the handset's earpiece and microphone.
- VOL/RING on the handset also controls the headset's volume.

Operation

- 3. Enter the number and any tone and pause entries (see "Using Tone Services on a Pulse Line" on Page 8 and "Entering a Pause" on Page 9).
- Press MEM again, then enter the memory location number (0-9) where you want to store the number. A tone sounds to indicate that the number is stored.

To replace a stored number, simply store a new one in its place. Or, lift the handset and press **MEM** twice. Then press the memory location number (**0**–**9**) you want to clear. A tone sounds.

ENTERING A PAUSE

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, you should also store a pause after the access code to allow the outside line time to connect. To enter a 2-second pause, press **PAUSE/REDIAL**. You can add more pause entries for a longer pause.

DIALING A MEMORY NUMBER

To dial a number stored in memory, lift the handset and press **TALK**. TALK/BATT lights. When you hear a dial tone, press **MEM** and enter the memory location number for the number you want to dial.

To dial a number stored in memory location 1, press SPEED DIAL. You do not have to press TALK when you press SPEED DIAL. \mathcal{C}

CHAIN-DIALING SERVICE NUMBERS

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

Dial the service's main number first. Then, when prompted to enter the number, press **MEM** and enter the number for the location where the additional information is stored.

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.

BNOTE B

Storing a Number in Memory

- An error tone sounds and the phone exits the programming mode if you wait more than 20 seconds between keypresses.
- Each tone or pause entry uses one digit of memory.
- If you try to enter more than 16 digits, the phone beeps 5 times and exits the programming mode. Start over at Step 2 and enter no more than 16 digits in Step 3.

Dialing a Memory Number

If you select an empty memory location, the phone beeps 5 times.

TROUBLESHOOTING

Problem	Suggestions
Low volume or unusual sounds.	Someone has picked up another phone on the same line. Hang up the other phone.
	If you are using the headset, make sure the headset's plug is properly connected to the jack.
Severe noise inter- ference.	Keep the handset away from computers, remote control toys, wireless microphones, alarm systems, intercoms, room monitors, fluorescent lights, and electrical appli- ances.
	Move to another location or turn off the source of interference.
	Press CHANNEL to change the channel.
	Hang up and redial the number.
The phone does not work properly.	Be sure the base's phone line cord and AC adapter are correctly and securely connected.
	Be sure the battery pack in the handset is connected and charged.
	Return the handset to the base to reset the security access-protection code.
The handset stops working or works poorly during a call.	Move the handset closer to the base.
	Be sure the handset's battery pack is charged.
The handset's range has decreased and the phone cannot be operated at a useful distance from the base because the signal becomes weak or noisy.	Be sure the handset's and base's antenna is not touching a metal surface.
The handset battery pack does not charge.	Check the charging contacts on the hand- set 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.
The handset does not ring or receive a page.	Move the handset closer to the base.
	Return the handset to the base to recharge the battery pack.
	Move the base away from other electrical devices.

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.

SERVICE AND REPAIR

If your phone is not performing as it should, take it to your local RadioShack store for assistance. 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.

IMPORTANT INFORMATION

This telephone has been tested and found to comply with all applicable UL and FCC standards.

FCC STATEMENT

Your phone 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 phone.

We have designed your phone to conform to federal regulations, and you can connect it to most telephone lines. However, each phone (and 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 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.

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



You must not connect your phone to:

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

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 EX-PRESS WARRANTIES AND ANY IMPLIED WARRAN-TIES, 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 RE-SPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIA-BILITY, 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 INCONVE-NIENCE, LOSS OF TIME, DATA, PROPERTY, REVE-NUE, 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.

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 12/99 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 advance, so you can take the necessary steps to prevent interruption of your telephone service.

LIGHTNING

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.