



# 2-Line 900 MHz Handsfree Cordless Phone



**Owner's Manual**  
Please read before using this equipment.

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

	<b>CAUTION</b> RISK OF ELECTRIC SHOCK. DO NOT OPEN.	
<b>CAUTION:</b> 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.

## 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 *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, or most electronic key phone systems.

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

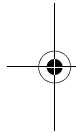


changes in advances, so you can take the necessary steps to prevent interruption of your telephone service.

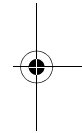


This equipment complies with the limits for a Class B digital device as specified in Part 15 of *FCC Rules*. These limits provide reasonable protection against radio and TV interference in a residential area. However, your equipment might cause TV or radio interference even when it is operating properly.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

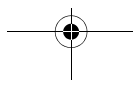
- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and the radio or TV.
- Use outlets on different electrical circuits for the equipment and the radio or TV.



Consult your local RadioShack store if the problem still exists.



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



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## **Features**

Your RadioShack 2-Line 900 MHz Handsfree Cordless Phone combines the clarity of 900 MHz communication with portability and convenience. The phone's cordless keypad clips to your belt or clothing so you can make and answer calls away from the unit's base. The headset allows you to use your hands while you talk.

**10-Memory Speed Dial** — stores up to 10 frequently-called phone numbers for easy dialing.

**Ring/Vibrate Dual Mode Selection** — lets you set the ringer to ring, vibrate, or both.

**Receiver Volume Control** — lets you adjust the volume you hear during a call.

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

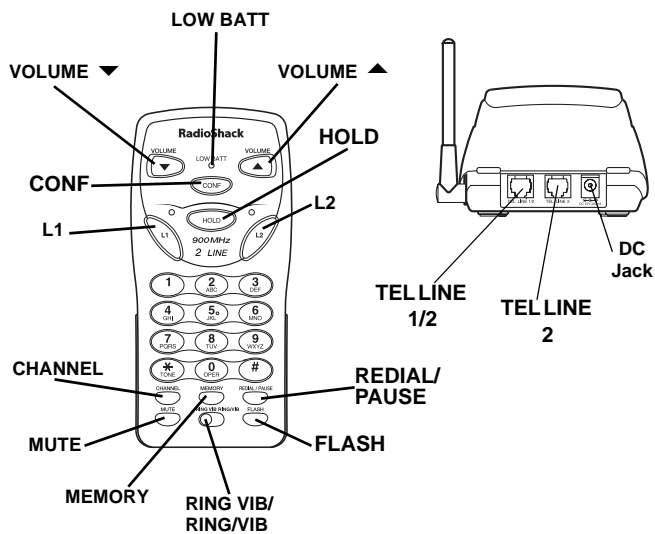
**10-Channel Auto Scan** — automatically selects a clear channel when you make or answer a call.

**Conference** — lets you talk to parties on both lines at the same time.

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

**Hearing-Aid Compatible** — lets you use your phone with hearing-aids that have a T (telephone) switch.

## **A Quick Look at the Phone**



## **Preparation**

### **SELECTING A LOCATION**

You can place the phone's base on a flat surface such as a desk, shelf, or table. Select a location that is:

- near an easily accessible AC outlet

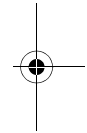


- near a telephone line jack
- out of the way of normal activities
- away from electrical machinery, electrical appliances, metal walls, filing cabinets, wireless intercoms, security alarms, and room monitors

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.

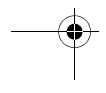
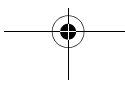
**Notes:**

- Your telephone is designed to be connected to the telephone network using a compatible modular jack that is Part 68 compliant.
- 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 RJ14C (for **TEL LINE 1/2**) or RJ11C (for both telephone line jacks).



## CONNECTING THE BASE

You can power the base using the supplied 15V, 300-mA AC adapter.





**Cautions:**



You must use a Class 2 power source that supplies 15V DC and delivers at least 300 mA. Its center tip must be set to positive and its plug must fit the phone's 15V 300 mA jack. Using an adapter that does not meet these specifications could damage the phone or the adapter.

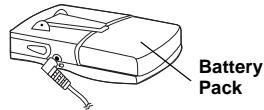
- Always connect the AC adapter to the phone before you connect it to AC power. When you finish, disconnect the adapter from AC power before you disconnect it from the phone.
1. If you have a RJ14C modular telephone line jack for 2 line usage, plug one end of the supplied 4-pin modular cord into **TEL LINE 1/2**. Then plug the other end into the RJ14C modular phone line jack.

If you have two RJ11C modular telephone line jacks for using 2 lines, plug one end of the supplied 4-pin modular cord into **TEL LINE 1/2**, and one end of the supplied 2-pin modular cord into **TEL LINE 2**. Then plug the modular cords' other ends into the RJ11C modular phone line jacks.

2. Lift the base's antenna to a vertical position.

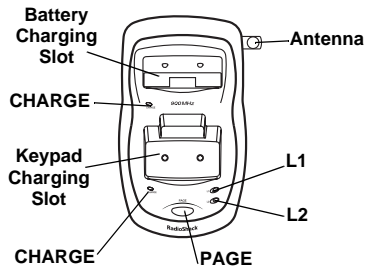
**CONNECTING AND CHARGING THE BATTERY PACK**

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



To connect the battery pack, line up the slots on the battery pack with the posts on the back of the keypad. Press down and slide the battery pack forward until the latch clicks.

To charge the battery pack, place the keypad in the base's front charging slot. The CHARGE indicator at the front of the unit lights.



To charge the spare battery pack, place it in the rear charging slot with its latch end facing down and its contacts toward the rear of the base. The CHARGE indicator between the two slots lights.

**Notes:**

- Recharge the battery pack anytime the LOW BATT indicator flashes, or if the keypad beeps while you are on the phone.
- When you first use the phone after charging or recharging the battery pack, the phone might not work. Return the keypad 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 LOW BATT indicator flashes, or if the keypad beeps while you are on the

phone. Otherwise, the battery pack loses its ability to fully recharge.

- If the front CHARGE indicator does not light when you place the keypad on the base, be sure the battery pack and AC adapter are correctly and securely connected. Also, check the charging contacts on the keypad and base. If the contacts are dirty or tarnished, clean them with a pencil eraser.
- If the battery pack becomes completely discharged or the base loses power while the keypad is away from it, place the keypad on the base for about 5 seconds to reset the security access protection code. If the keypad loses power, leave it on the base to charge the battery pack.
- If you are not going to use your phone for an extended period of time, disconnect its battery pack. This helps increase the battery pack's usable life.

### Recharging the Battery Pack

The 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. You can order a replacement battery pack through your local RadioShack store.

**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.

1. To remove the old battery pack, press the latch release, then slide the battery pack off the keypad.

2. To connect the new battery pack, line up the slots on the battery pack with the posts on the keypad, then press down and slide it forward until the latch clicks.
3. Charge the battery pack for 12 hours before using it.

**Cautions:**

- Be careful not to short the battery pack by touching it with conducting materials, such as rings, bracelets, and keys. The battery pack or conductor might overheat and burn.
- Do not dispose of the battery pack in a fire because it might explode.
- Do not open or mutilate the battery pack.

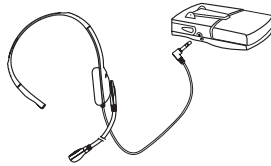
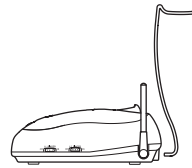
**Note:** If you have trouble replacing the battery pack, take the phone to your local RadioShack store for assistance.

**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.



## CONNECTING AND ADJUSTING THE HEADSET

1. Insert the tabs on the headset holder into the slots on the back of the base and snap the holder into place.
2. Insert the headset's plug into the jack on the side of the keypad.



3. Place the headset on your head with the earpiece over either ear.
4. Adjust the headset band until it rests with almost no pressure on your ear and the top of your head.

5. If the headset is loose, press in slightly to tighten it. If it is tight, gently pull the headset band out to loosen it.
6. Hold the headset in place and adjust the microphone boom until it is about even with (but not in front of) your mouth. Experiment until you find the most comfortable position.

**Caution:** The microphone boom swivels on the headset. Do not bend the microphone boom while you adjust it.

**Note:** When you are not using the headset, place it on the headset hanger. Otherwise (if you set it on a flat surface, for example), you might have to repeat these adjustments.

## SETTING RING/VIBRATE/DUAL

You can adjust the keypad's ringer mode from **RING VIB** to **RING/VIB**.

With the ringer set to **VIB**, the phone vibrates instead of ringing when receiving call.

With the ringer set to **RING/VIB**, the phone rings and vibrates when receiving call.

**Note:** The keypad does not vibrate when it is on the base.

## TURNING THE RINGERS ON OR OFF

The keypad's ringer **L1 RINGER OFF/ON** and **L2 RINGER OFF/ON** on the base control. To have the phone ring when a call comes in, set **RINGER** on the desired line to **ON**. To keep the phone from ringing, set **RINGER** on the desired line to **OFF**.

With **RINGER** set to **OFF**, the phone does not ring for incoming calls, but you can still make outgoing calls. If you hear an extension telephone ring, you can answer the incoming call on this phone. The **L1** or **L2** indicator flashes until you answer the call.

**Note:** If **RINGER** is set to **OFF** and **RING VIB RING/VIB** is set to **VIB** or **RING/VIB**, the keypad still vibrates when a call comes in.

## SETTING THE DIALING MODE

Set **TONE/PULSE** on the side 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. Press **L1** or **L2** so the indicator for that line lights and listen for a dial tone.
3. Press any number other than **0** or **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.

4. Press **L1** or **L2**.
5. If you have tone service, leave **TONE/PULSE** set to **TONE**. If you have pulse service, set **TONE/PULSE** to **PULSE**.

**Note:** Return the keypad to the base for at least 5 seconds after you set the service type.

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## **Operation**

Before you use the phone, put the headset on and adjust it as needed (see "Connecting and Adjusting the Headset" on Page 13).

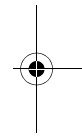
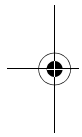
To make a call, select a line by pressing **L1** or **L2**. You hear a dial tone and the indicator for that line lights. Dial the number you want to call.



When you receive a call on a line, the light for that line flashes and the phone rings or vibrates (if you set the ringer for that line to **ON**). Press the button for the ringing line to answer the call. The indicator for that line lights.

**Notes:**

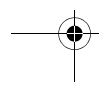
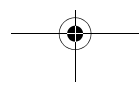
- When you are using one line and a call comes on the other line, the phone beeps or vibrates and the indicator of that line flashes. You can hold the line you are using and answer the call. (See “Using Hold” on Page 17.)
- When you press a button, a single tone indicates that the phone has accepted the command. Three tones indicate that you pressed a button in error or there is severe interference. (See “Changing Channels” on Page 18.)
- If interference is severe, the keypad might lose communication with the base and the call might disconnect. If this happens, return the keypad to the base for about 5 seconds to reset the security access-protection code.



## ADJUSTING THE HEADSET’S VOLUME

To adjust the headset’s volume, repeatedly press **VOLUME ▲** or **VOLUME ▼** during a call until the sound level is comfortable. You can set the headset’s volume to one of four levels, and it remains set even after you hang up.

**Note:** The keypad sounds 3 beeps when you reach the lowest or highest listening level.





## USING HOLD

**HOLD** lets you use the other line without disconnecting the call. You can alternate between the two lines by pressing **HOLD**, then the button for the desired line.

1. To place a call on hold, press **HOLD**. The indicator for that line flashes.
2. To release a line from hold and continue your conversation, press that line's button.

### Notes:

- If you press the other line's button without first pressing **HOLD**, the first call is disconnected.
- If you hold the line for 1 minute, the keypad sounds three beeps every 30 seconds. If you hold the line for 8 minutes, the keypad beeps for 2 minutes. Press that line's key to release the line from hold, or the line will be automatically disconnected within 2 minutes. If you still want to hold the line, press **HOLD** again to repeat the cycle.

## USING CONFERENCE

You can talk to both lines at the same time.

1. Use one line and hold the other line, or put both lines on hold.
2. Press **CONF**. The indicators for both lines light.



3. To hang up one line, press the other line's key. Press the key again to hang up both lines.



## CHANGING CHANNELS

Every time you press **L1** or **L2**, the phone automatically selects a clear channel from the 10 it uses for communication between the headset and the base.

If you hear interference during a call, repeatedly press **CHANNEL** to change the channel until you get a clear one.

## USING REDIAL

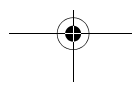
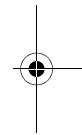
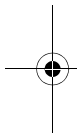
To quickly redial the last number dialed, press **L1** or **L2** then **REDIAL/PAUSE**.

The redial memory holds up to 32 digits, so you can redial long-distance as well as local numbers. The redial memory can also store tone entries (see "Using Tone Services on a Pulse Line" on Page 19) and pause entries (see "Entering a Pause in Memory Number" on Page 21).

If the number you dialed is busy, press **REDIAL/PAUSE** without hanging up the phone to redial the number. The dial tone sounds for about 2 seconds, then the phone redials the number.

## USING MUTE

To talk to someone else in the room without the person on the other end of the phone line hearing your conversation, press **MUTE**. The indicator for the line you are using flashes. Press **MUTE** again to resume your phone conversation.



## USING FLASH

**FLASH** provides the electronic equivalent of a switchhook signal for special phone 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.

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

## 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 **L1** or **L2**. The phone automatically resets to pulse dialing.

## USING PAGE

You can send a page to the keypad to locate it when it is away from the base and not in use.

1. Press **PAGE** on the base. The keypad rings for about 15 seconds.



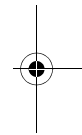
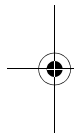
2. Press and hold **PAGE**. The keypad rings for about 1 minute.
3. Press any key on the keypad or **PAGE** on the base to silence it.

## MEMORY DIALING

You can store up to 10 numbers of up to 16 digits each in the phone's memory.

### Notes:

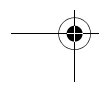
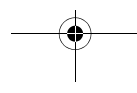
- To keep your accounts secure, we recommend you do not store your personal access code for services such as bank-by-phone in a memory location.
- When storing numbers for special services (such as alternate long-distance or bank-by-phone), store the service's main phone number in one memory location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



## Storing a Number in Memory

1. Press **MEMORY** on the keypad.
2. Enter the desired number (up to 16 digits).
3. Press **MEMORY** again.
4. Press the memory location (**1–0**). Two long beeps sound.

**Note:** For the 10th memory location, press **0**.



5. You can write down the stored numbers on the memory index card underneath the base.

**Note:** If you hear three short beeps, you did not store the number successfully. Start again from Step 1.

### Entering a Pause in 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/PAUSE** to enter a 2-second pause.

### Dialing a Stored Number

1. Press **L1** or **L2**.
2. When you hear the dial tone, press **MEMORY**, then the memory location number (1–0). The phone dials the number.

### Chain-Dialing Service Numbers

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

To call special services, dial the service's main number. At the appropriate place in the call, press **MEMORY**, 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 19).

### Testing Stored Emergency Numbers

If you store an emergency service’s number (police department, fire department, ambulance) 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, the following suggestions might help.

Problem	Suggestion
The keypad does not work.	<ul style="list-style-type: none"> <li>• Move the keypad closer to the base. Raise the base’s antenna to a vertical position.</li> <li>• Ensure the phone’s modular cord and the AC adapter are correctly and securely connected.</li> <li>• Recharge the keypad’s battery pack.</li> <li>• Reset the security access-protection code by placing the keypad on the base for about five seconds.</li> </ul>
The call is noisy.	Keep the headset and base away from interference sources such as computers, remote control toys, wireless alarm systems, wireless intercoms and room monitors, fluorescent lights, and electrical appliances.

Problem	Suggestion
There is severe interference.	<ul style="list-style-type: none"> <li>• Turn off the interfering device.</li> <li>• Move the keypad closer to the base. Hang up and redial the number.</li> <li>• Press <b>CHANNEL</b> to change the channel.</li> </ul>
The range decreases.	<ul style="list-style-type: none"> <li>• Ensure the base's antenna is raised and is not touching a metal surface.</li> <li>• Recharge the keypad's battery pack.</li> </ul>
You can receive calls, but cannot make calls.	Set <b>TONE/PULSE</b> correctly for the type of service you have (see "Setting the Dialing Mode" on Page 14).

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 locate the problem, take your phone to your local RadioShack store for assistance.

## 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 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 before storms 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.

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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.

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