

# 900MHz Rechargeable Wireless Stereo Headphones

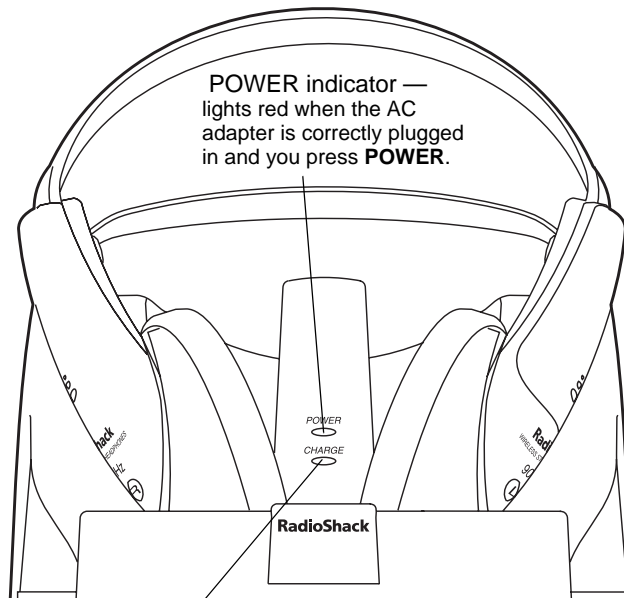
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OWNER'S MANUAL — Please read before using this equipment.

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Thank you for purchasing RadioShack Rechargeable 900MHz Wireless Stereo Headphones. Your headphones use the 900MHz band to deliver high-quality stereo sound to almost anywhere in or around your home. Your headphones use PLL (Phase-Locked Loop) circuitry and have a built-in antenna to give you precise tuning, so you can enjoy your favorite sounds without disturbing others anywhere around your yard or house — up to 150 feet away from your stereo.



POWER indicator — lights red when the AC adapter is correctly plugged in and you press **POWER**.

CHARGE Indicator — lights green when the batteries are charging.

### ! IMPORTANT !

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

- |   |   |
|---|---|
|  — Warning |  — Important |
|  — Caution |  — Note      |



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**CAUTION**

- You must use a Class 2 power source that supplies 12 volts DC and delivers at least 250mA. Its center tip must be set to positive and its plug must fit the transmitter's **DC IN 12V** jack. The supplied adapter meets these specifications. Using an adapter that does not meet these specifications could damage the transmitter or the adapter.
- Always connect the AC adapter to the transmitter before you connect it to AC power. When you finish, disconnect the adapter from AC power before you disconnect it from the transmitter.
- Use only fresh batteries of the required size and recommended type.
- Do not mix old and new batteries, different types of batteries (standard, alkaline, or rechargeable), or rechargeable batteries of different capacities.
- If you do not plan to use the headphones for a week or longer, remove the batteries. Batteries can leak chemicals that can destroy electronic parts.

## CHOOSING A LOCATION

Many factors affect the range of your system. To achieve the best performance:

- Position the transmitter as far as possible from other electronic devices such as TVs, receivers, or VCRs. Radio interference from these devices could affect your system's performance.
- Position the transmitter away from large metal objects, as these could block your transmitter's signals.
- Try several locations for the transmitter. Select the location that provides the best performance.

Your system's overall performance depends on your home's construction method, the other devices near the system, and other radio frequency sources in your home (such as cordless telephones).

## USING AC POWER

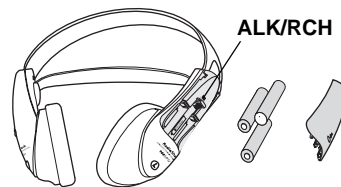
Use the supplied 12V, 250mA AC adapter to connect the transmitter to AC power.

Plug the supplied AC adapter's barrel plug into the transmitter's **DC IN 12V** jack, then plug the adapter into a standard AC outlet.

## INSTALLING BATTERIES

Your headphones require three AAA alkaline batteries or rechargeable batteries (neither supplied) for power.

1. Remove the battery compartment cover on the left earpiece by pulling the side of the cover and lifting the cover off.



2. *If you are using alkaline batteries*, set **ALK/RCH** inside the compartment to **ALK**.

*If you are using rechargeable batteries*, set **ALK/RCH** to **RCH**.

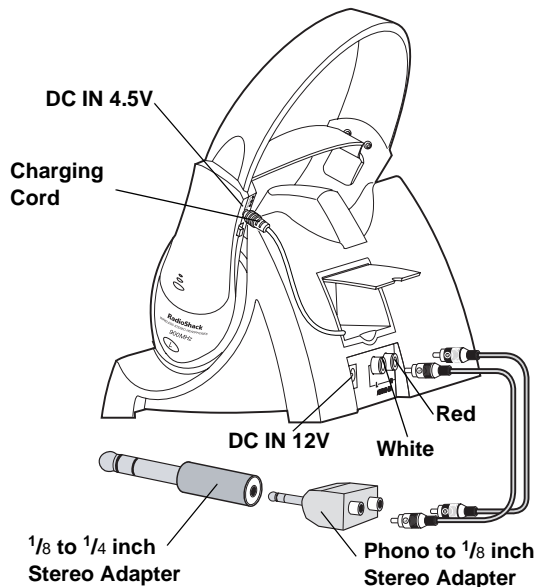
3. Place the batteries in the compartment according to the polarity symbols (+ and -) marked in the compartment.
4. Slide the cover back on until it clicks into place.

If the headphones' range decreases, you do not hear sound from the audio source, or the headphones' POWER/BATT LOW indicator is blinking, replace the alkaline batteries or recharge the rechargeable batteries. ⚠

## CHARGING RECHARGEABLE BATTERIES

Your transmitter has a built-in charger to charge rechargeable batteries. When the headphones are not in use, the rechargeable battery can be continuously charged over several days. The batteries can be charged with the transmitter set to on or off.

1. Turn off the headphones and remove the battery compartment cover on the left earpiece. !
2. Select **ALK/RCH** to **RCH**.
3. Place the rechargeable batteries in the compartment according to the polarity symbols (+ and -) marked in the compartment.
4. Replace the cover.
5. Lift the charging compartment cover on the back of transmitter to open and pull out the charging cord. ⚡



6. Plug the charging barrel plug into the **DC IN 4.5V** jack on the left earpiece.

### ⚠ WARNING ⚠

Dispose of old batteries promptly and properly. Do not burn or bury them.

### ! IMPORTANT !

You can only charge rechargeable batteries. Do not attempt to charge alkaline batteries.

Charging Rechargeable Batteries

### ⚡ CAUTION ⚡

The charging compartment cover on the transmitter is hinged. Do not attempt to remove it.

**CAUTION**

Do not connect the transmitter to your audio source's speaker output. Doing so could damage the transmitter and audio source.

- The batteries automatically begin charging and the transmitter's CHARGE indicator lights green.


Before using your headphones for the first time, you must charge the batteries for at least 24 hours. When the batteries have been completely discharged, it takes about 12 hours to completely recharge the batteries.

When charging is complete, unplug the charge cord. The CHARGE indicator turns off.

**RECYCLING NI-Cd BATTERIES**

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 TO AN AUDIO SOURCE**

You can connect the transmitter to your audio source's left and right audio output jacks or the headphone jack. 

- Connect one end of the supplied audio patch cord to the transmitter's audio jacks (white plug to **L AUDIO IN** and red plug to **R AUDIO IN**).
- If you are using the audio source's output jacks,* connect the white and red plugs at the other end of the patch cord directly to the audio source's corresponding left (white) and right (red) audio jacks.

*If you are using your audio source's stereo headphone jack,* connect the patch cord's white and red plugs to the white and red phono jacks on the Phono to 1/8-inch supplied adapter.

- If your audio source has a 1/8-inch headphone jack,* insert the adapter's 1/8-inch stereo plug into the audio source's HEADPHONE jack.

If your audio source has a 1/4-inch headphone jack, insert the adapter's 1/8-inch stereo plug into the back of the supplied 1/8-to-1/4-inch stereo adapter. Then insert the adapter into the audio source's HEADPHONE jack.

## LISTENING SAFELY

To protect your hearing, follow these guidelines when you use your headphones.

- Set the volume to the lowest setting before you begin listening. After you begin listening, adjust the volume to a comfortable level.
- Do not listen at extremely high volume levels. Extended high-volume listening can lead to permanent hearing loss.
- Once you set the volume, do not increase it. Over time, your ears adapt to the volume level, so a volume level that does not cause discomfort might still damage your hearing.

## USING YOUR HEADPHONES

You can use multiple sets of headphones with each transmitter. We do not recommend using multiple transmitters in the same area.

1. Press **POWER** on the transmitter. The transmitter's **POWER** indicator lights red. Turn on the audio source.
2. To turn on the headphones, slide **POWER** away from the headband. The **POWER/BATT LOW** indicator lights red.
3. Put on the headphones and adjust **VOLUME** to the desired listening level.
4. To turn off the headphones, slide **POWER** toward the headband.
5. To turn off the transmitter, press the power switch. The **POWER** indicator turns off.

### NOTE

- If the **POWER/BATT LOW** indicator is blinking, the battery level is low and you must replace the alkaline batteries or recharge the rechargeable batteries before use.
- If you connected the transmitter to an audio source's headphone jack, set the audio source's volume control to its mid-position, then adjust **VOLUME** on the headphones to the desired level.
- To preserve battery life, be sure to turn off the headphones when you are not using them.
- If reception is poor even when the batteries are fully charged and you are near the transmitter, try moving the transmitter to a higher location or moving it away from the audio source.
- If you are not using the transmitter, disconnect the adapter.
- Turn off the headphones before turning off the transmitter.

## TROUBLESHOOTING

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

Problem	Solution
No sound	Be sure the headphones are turned on.
	Replace or charge the headphones' batteries.
	Be sure the AC adapter is plugged in and has power.
	Be sure all cables are securely connected.
	Be sure the audio source is turned on.
	Be sure the source's volume control is turned up.
	Adjust the headphones' volume control.
Distorted audio	Change the position of the transmitter.
	If you connected the transmitter to an audio source's headphone jack, reduce the audio source's volume.
	Charge or renew the headphones' batteries.
	Change the position of the transmitter.

## 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 headphones.

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

## CARE

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

## SERVICE AND REPAIR

If your headphones are not performing as they should, take them to your local RadioShack store for assistance. Modifying or tampering with the headphones' internal components can cause a malfunction and might invalidate their warranty.

## SPECIFICATIONS

### Transmitter:

Carrier Frequency ..... 911.4 – 915.6 MHz  
Power Source ..... 12V DC, 250 mA  
Modulation Method ..... FM Modulation  
Frequency Response ..... 80 Hz – 20 kHz (6 dB)

### Receiver:

Sensitivity ..... <2 $\mu$ V (with 20 dB S/N)  
S/N Ratio (@ -50dBm) ..... >60 dB (A weight)  
Audio Distortion ..... <2%  
Max. Audio output ..... >8 mW  
Power requirement ..... 3 AAA alkaline or rechargeable batteries

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

### Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days 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.

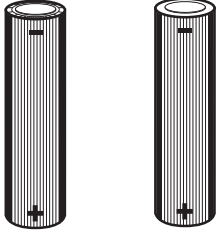
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## PARTS AND ACCESSORIES

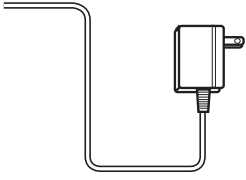

Parts and accessories are available at your local RadioShack store. Accessories are also available online at [www.radioshack.com](http://www.radioshack.com). Parts and accessories are available but not limited to the following. Visit your local RadioShack store or obtain a RadioShack catalog for a more complete listing of available accessories.

### ACCESSORIES



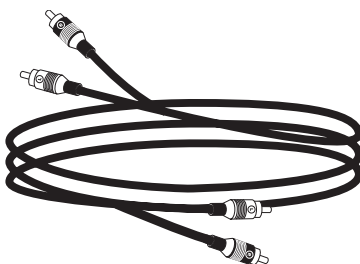
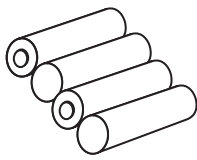
Tired of the batteries dying right in the middle of your favorite song? RadioShack's wide variety of rechargeable batteries let you control the power to your headphones so your favorite music is never interrupted again.

So you and your roommate can both enjoy the same music in different locations, RadioShack offers a complete line of additional wireless headphones for your wireless headphone system.



Just in case your AC adapter magically went missing or appears damaged, RadioShack carries replacement AC adapters for every voltage. Don't forget to select the correct Adaptaplug™!

You don't want to wait to use your new headphones until the batteries charge? You don't have to! To let you use your headphones immediately, RadioShack carries a full line of alkaline batteries.



For the best possible stereo sound, check out RadioShack's awesome selection of audio cables. The best connection makes all the difference in your sound.



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