

# 900 MHz Wireless Stereo Headphones

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

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

**Power/Transmitter Indicator** — lights green when the AC adapter is correctly plugged in and turns amber when the transmitter is on.

**Charging Indicator** — lights red when the battery is charging.

## THE FCC WANTS YOU TO KNOW

Your headphones might cause TV or radio interference even when they are operating properly. To determine whether your headphones are causing the interference, turn off the headphones. If the interference goes away, your headphones are causing the interference.

Try to eliminate the interference by:

- moving your headphones' transmitter away from the receiver
- connecting your headphones' transmitter to an outlet that is on a different electrical circuit from the receiver
- contacting your local RadioShack store for help

If you cannot eliminate the interference, the FCC requires that you stop using your headphones.

**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 unit.

### Notes:

- 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.
- Your headphones are subject to interference from other devices, such as cordless phones, wireless speakers, and other wireless headphones that operate on the same frequencies. If you experience interference, try moving the headphones away from the other device.

## PREPARATION

### 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 inter-

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ference 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.

### Cautions:

- 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 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.

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

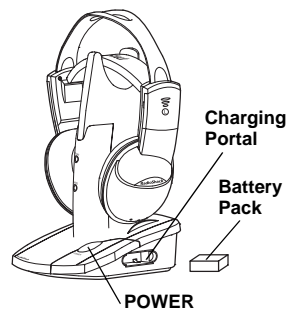
## Charging the Rechargeable Battery Packs

To power the headphones, use the supplied nickel-metal-hydride rechargeable battery packs. There are two batteries supplied, so

you can alternately charge one and use the other.

Your transmitter has a built-in charger to charge the rechargeable battery pack. When the headphones are not in use, the battery pack can be continuously charged over several days.

Before using your headphones for the first time, you must charge the battery pack for at least 24 hours. If the headphones' range decreases, you do not hear sound from the audio source, or the headphones' **POWER** indicator is blinking, recharge the batteries. It takes 12 to 14 hours to completely recharge the batteries.



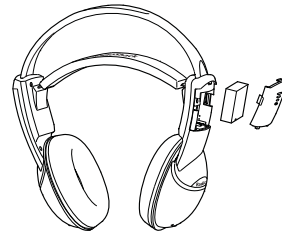
To charge the battery pack, plug it into the transmitter's charging portal. The battery pack automatically begins charging and the **CHARGE** indicator lights.

When charging is complete, unplug the battery pack. The indicator turns off.

**Note:** You can charge the battery pack with the transmitter set to on or off.

## Installing a Battery Pack

1. Remove the battery compartment cover on the left earpiece by pressing the sides of the cover and lifting it off.



- Place the battery pack in the compartment so its metal plates contact the metal tabs inside the compartment.

- Replace the cover.

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

**Caution:** When you replace the battery, use a RadioShack replacement battery pack.

**Note:** When the headphones stop operating properly, replace or recharge the battery pack.

## Connecting to an Audio Source

To connect the transmitter to your audio source, connect one end of the supplied stereo audio cable to the transmitter's **R/AUDIO IN** (red plug) and **L/AUDIO IN** (white plug) jacks. Then plug the other ends into the audio source's audio output or headphone jacks.

- To operate the transmitter, press **POWER**. The power indicator turns amber.
- Press **POWER** to switch the transmitter to standby. The power indicator turns green.



**Note:** When the transmitter is not in use, set it to standby to avoid interference with other wireless devices.

## OPERATION

### Listening Safely

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

- Set the headphones' channel (1 – 3) to the same channel as the transmitter.
- Turn on the transmitter and the audio source.
- To turn on the headphones, slide **ON/OFF** to **ON**. The **POWER** indicator lights.

**Note:** If the **POWER** indicator is blinking, the battery level is low and you must recharge it before use.

- Put on the headphones and adjust **VOLUME** to the desired listening level.

**Note:** 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 the headphones' **VOLUME** to the desired level.

- To turn off the headphones, slide **POWER ON/OFF** to **OFF**.

### Notes:

- 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.

## 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.                                                                   |
|                 | 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 and tuned to an active channel.                                   |
|                 | Be sure the source's volume control is turned up.                                                       |
|                 | Be sure the headphones and transmitter are set to the same channel.                                     |
|                 | Adjust the headphones' volume control.                                                                  |
| Distorted audio | Change the position of the transmitter.                                                                 |
|                 | Be sure the headphones and transmitter are set to the same channel.                                     |
|                 | If you connected the transmitter to an audio source's headphone jack, reduce the audio source's volume. |
|                 | Charge the headphones' batteries.                                                                       |
|                 | Change the position of the transmitter.                                                                 |

## CARE

Keep the headphones dry. Use and store the headphones only in normal temperature environments. Handle the headphones carefully. Keep the headphones away from dust and dirt, and wipe them with a damp cloth occasionally to keep them looking new.

Modifying or tampering with the headphones' internal components can cause a malfunction

and might invalidate their warranty and void your FCC authorization to operate them. If your headphones are not performing as they should, take them to your local RadioShack store for assistance.

## SPECIFICATIONS

### Transmitter

Carrier Frequency ..... 911.4 – 918.4 MHz  
Power Source ..... 12V DC, 250 mA  
Modulation Method ..... FM Modulation  
Frequency Response ..... 50 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 ..... 3.6V 200 mA  
Ni-MH rechargeable battery pack

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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