

## 8-Channel 900 MHz Wireless Receiver

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

Your RadioShack 8-Channel 900 MHz Wireless Receiver is designed for use as a universal microphone receiver for public address microphones or for professional music performances. The system's long range (200 feet), UHF operation (910–921.5 MHz), and low distortion (2.0%) let you use it anywhere you would use a conventional microphone, and is perfect for use with the RadioShack 8-Channel 900 MHz Wireless Microphone (Cat. No. 32-1251). The microphone receiver has both LINE and MIC level outputs for easy connection to any amplifier, mixing board, or recorder. Plus, you can use both outputs at the same time. The receiver's volume control lets you easily balance the microphone's outputs with other sound sources.

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

|                                                                                                                                                                     |                                                        |                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------------------------------|
|                                                                                    | <b>CAUTION</b><br>RISK OF ELECTRIC SHOCK. DO NOT OPEN. |  |
| <p><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.</p> |                                                        |                                                                                   |



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.

### FCC STATEMENT

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

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

This device complies with Part 15 of the *FCC Rules*. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

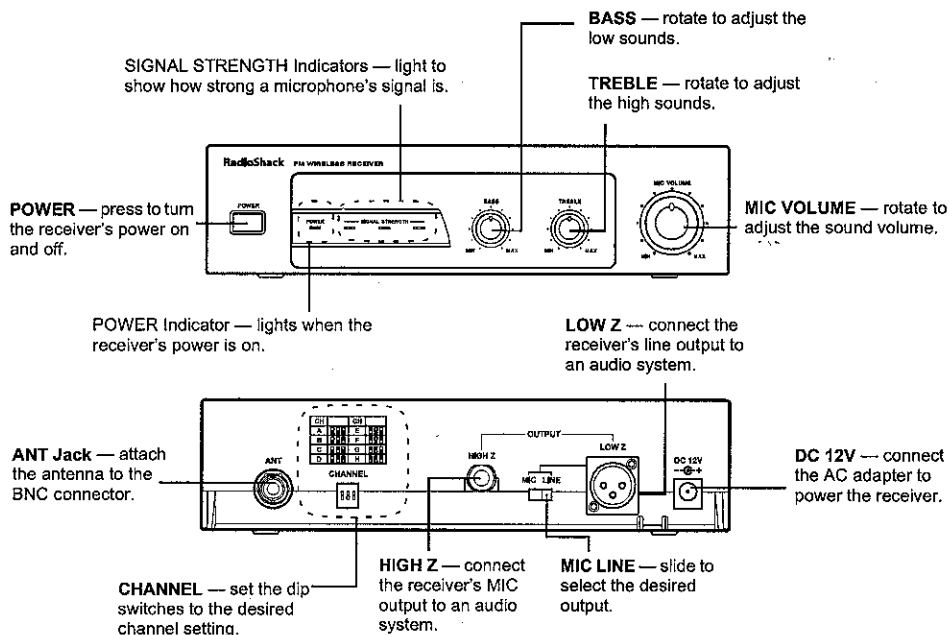
**Warning:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Shielded cables must be used with the unit to ensure compliance with the Class B FCC limits.

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## A QUICK LOOK AT THE RECEIVER



## POWERING THE RECEIVER

Connect the supplied antenna to the BNC connector on the back of the receiver before you connect power.

You can power the microphone receiver using the supplied 12V, 200 mA AC adapter.

### Cautions:



You must use a Class 2 power source that supplies regulated 12V DC and delivers at least 200 mA. Its center tip must be set to positive and its plug must fit the microphone receiver's **DC 12V** jack. The supplied adapter meets these specifications. Using an adapter that does not meet these specifications could damage the microphone receiver or the adapter.

- Always connect the AC adapter to the microphone receiver before you connect it to AC power. When you finish, disconnect

the adapter from AC power before you disconnect it from the microphone receiver.

1. Make sure **POWER** on the receiver is off.
2. Insert the adapter's barrel plug into the receiver's **DC 12V** jack.
3. Plug the other end of the adapter into a standard AC outlet.

## CONNECTING THE AUDIO OUTPUTS

### Connecting the Receiver's LINE Output to LINE Input

To connect the receiver's **LINE** output (**LOW Z**) to the **LINE** input of an amplifier, tape recorder, or mixing board, use shielded cable with an XLR plug (not supplied) on one end and the appropriate connector (phono plug or XLR con-

necter) on the other end, available at your local RadioShack store.

1. Insert the XLR plug into **LOW Z** on the receiver.
2. Connect the other end to the appropriate component.
3. Slide **MIC LINE** to **LINE**.

### Connecting the Receiver's LINE Output to MIC Input

To connect the receiver's LINE output (**LOW Z**) to the microphone input of an amplifier, tape recorder, or mixing board, use shielded cable with an XLR plug on one end and the appropriate connector (phono plug or XLR connector) on the other end, available at your local RadioShack store.

1. Insert the XLR plug into **LOW Z** on the receiver.
2. Connect the other end to the appropriate component.
3. Slide **MIC LINE** to **MIC**.

### Connecting the Receiver's MIC Output to MIC Input

To connect the receiver's microphone output (**HIGH Z**) to the microphone input or LINE input of an amplifier, tape recorder, or mixing board, use a shielded cable with a 1/4-inch (6.35-mm) mono phono plug on one end and the appropriate connector (phono plug) on the other end, available at your local RadioShack store.

1. Insert the cable's mono plug into **HIGH Z**.
2. Connect the cable's other end to the appropriate component.

Follow the instructions in the owner's manuals for your other audio equipment to make all other connections.

## SETTING THE CHANNEL

You can set your receiver to one of eight channels so you can use up to eight wireless microphone systems on the same audio system.

1. Set the microphone(s) and the receiver to off before setting the channels.
2. Follow the instructions in the microphone's owner's manual to set the wireless microphone's channel.
3. Using the chart below, set **CHANNEL** (dip switches) to the same channel as the microphone's.

| CH | Setting | CH | Setting |
|----|---------|----|---------|
| A  |         | E  |         |
| B  |         | F  |         |
| C  |         | G  |         |
| D  |         | H  |         |

## USING THE MICROPHONE RECEIVER

1. Turn on your amplifier, tape recorder, mixing board, and other necessary components of your audio system.
2. Set the components' volume control (or input level controls) to moderate settings.
3. Set the receiver's **MIC VOLUME** to its minimum setting.
4. Press **POWER** to turn on the receiver. The **POWER** indicator lights.
5. Turn on the microphone. The receiver's **SIGNAL STRENGTH** indicator lights.
6. Talk into the microphone and adjust the receiver's **MIC VOLUME** to the desired level.

7. Adjust **BASS** and **TREBLE** to increase or decrease the low sounds and high sounds to suit your listening preferences.

**Note:** Experiment with the receiver's **VOLUME** setting and the settings of other components in your audio system to obtain the best results.

8. When you are finished, turn off all your audio equipment and the microphone.

## CARE

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

Modifying or tampering with the receiver's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it. If your receiver is not performing as it should, take it to your local RadioShack store for assistance.

## SPECIFICATIONS

Sensitivity ..... 2.0  $\mu$ V (@ 20 dB Quieting)  
 S/N Ratio (at 1 mV input) ..... 90 dB  
 Total Harmonic Distortion ..... 2.0%  
 Low Z Output Level (line) ..... 200 mV  
 Low Z Output Level (microphone) ..... 14 mV  
 High Z Output Level ..... 300 mV  
 Power Requirements (DC) ..... 12V, 200 mA  
 Operating Frequencies:

| Channel | Frequency |
|---------|-----------|
| A       | 910.0 MHz |
| B       | 910.5 MHz |
| C       | 911.5 MHz |
| D       | 913.5 MHz |
| E       | 918.0 MHz |
| F       | 918.5 MHz |
| G       | 919.5 MHz |
| H       | 921.5 MHz |

Dimensions .....  $2\frac{3}{16} \times 8\frac{7}{8} \times 5\frac{5}{8}$  in  
 (55 × 225 × 143 mm)

Weight ..... 14.8 oz (420g)

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

### 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.

RadioShack Customer Relations, 200 Taylor Street, 8th Floor, Fort Worth, TX 76102

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RadioShack Corporation  
 Fort Worth, Texas 76102

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