

# 8-Channel 900 MHz Wireless Microphone

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

Your RadioShack 8-Channel 900 MHz Wireless Microphone is designed for use as a public address microphone or for professional music performances, and is perfect for use with the RadioShack 8-Channel 900 MHz Wireless Receiver (Cat. No. 32-1250).

## 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.

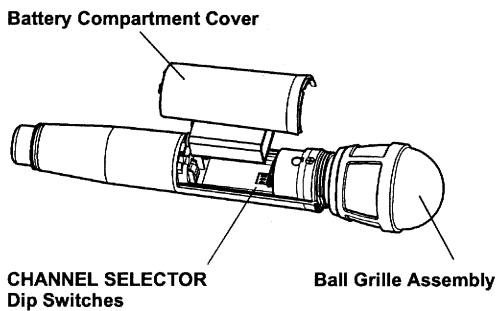
**Warning:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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

## INSTALLING THE BATTERY

Your microphone requires one 9V battery (not supplied) for power. For the best performance and longest life, we recommend using a RadioShack alkaline battery.

**Caution:** Use only a fresh battery of the required size and recommended type.



1. Hold the microphone in one hand and gently unscrew the ball grille with the other hand.
2. Grasp the battery compartment cover and lift it off.

3. Set **CHANNEL SELECTOR** to the desired channel while the battery compartment is accessible (see "Setting the Channel").
4. Snap the battery in the compartment as indicated by the polarity symbols (+ and -) marked inside.
5. Insert the compartment cover's tabs into the recesses first, then set the cover back into place.
6. Gently screw the ball grille back onto the microphone.

When power is on, **LOW BATT** lights. When the sound becomes weak or distorted, **LOW BATT** flashes, or the microphone stops operating properly, replace the battery.

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

**Caution:** If you do not plan to use the microphone for a week or longer, remove the battery. Batteries can leak chemicals that can destroy electronic parts.

## SETTING THE CHANNEL

Your wireless microphone has eight channels. Follow these steps to set the channel.

1. Slide **STANDBY ON/OFF** to **OFF**.

**Notes:** Both the microphone and the receiver:

- should be powered off before setting or changing the channel
- should be set to the same channel

2. Hold the microphone in one hand and gently unscrew the ball grille with the other hand.

**Caution:** Static electricity can damage your microphone. To avoid possible damage, discharge any static electricity from your body by touching a faucet or other grounded metal object before you set the microphone's channel.

3. Use a pointed-object (such as a straightened paperclip) to set **CHANNEL SELECTOR** (dip switches) according to the chart below for the desired channel.

CH	Setting	CH	Setting
A	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	E	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
B	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	F	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
C	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	G	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
D	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	H	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

4. Insert the compartment cover's tabs into the recesses first, then set the cover back into place.
5. Gently screw the ball grille back onto the microphone.

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

## USING THE MICROPHONE

1. Follow the directions in the receiver's owner's manual to set up and power on the receiver.
2. Turn on your amplifier, tape recorder, mixing board, and other necessary components of your audio system. Set the components' volume control (or input level controls) to moderate settings.
3. Set the receiver and microphone's channels to the same settings (see "Setting the Channel").
4. Slide **STANDBY ON/OFF** on the microphone to **ON**. (When power is on and the battery is good, **LOW BATT** lights.)
5. Set **TALK/MUTE** to **TALK**. Begin to talk into the microphone and adjust the receiver's volume control as desired.

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

6. When you finish, slide **STANDBY ON/OFF** to **OFF**.

## USING MUTE

Slide **TALK/MUTE** to **MUTE** to temporarily turn off the microphone's sound without turning off its power.

If you turn off the microphone (slide **STANDBY ON/OFF** from **ON** to **OFF**) while the amplifier is on, the speakers emit a loud pop. When you use **MUTE**, there is no pop.

## CARE

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

## SPECIFICATIONS

Sensitivity at $\pm 33$ KHz deviation .....	103 dB spl
Total Harmonic Distortion .....	2%
RF Output Power at 50 Ohms .....	3 dBm
Harmonic and Spurious Radiation Suppression .....	40 dB
Minimum Operation Voltage .....	$\approx < 5V$
Power Requirements (DC) .....	1 DC 9V Battery (not supplied)
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 .....  $2\frac{3}{16} \times 10\frac{1}{4}$  in  
(55 x 260 mm)

Weight (without battery) ..... 12 oz  
(340 g)

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, 6th Floor, Fort Worth, TX 76102

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## 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.

- increase the distance between the equipment and the radio or TV

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**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.

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



**CAUTION**

RISK OF ELECTRIC SHOCK. DO NOT OPEN.



**CAUTION:** 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.

### 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

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