



wireless lapel microphone system

Thank you for purchasing your Wireless Lapel Microphone System from RadioShack. This system will transmit microphone signals while you move freely up to 200 feet away from the receiver.



Please read this user's guide before installing, setting up and using your new product www.radioshack.com

what's included

User's Guide
Transmitter
Power Adapter

Receiver
Microphone

features

- Three operating channels are available so that you can use three microphone systems at the same time.
- Squelch adjustment on the receiver limits background noise while you are speaking into the microphone.
- Volume adjustment on the receiver adjusts the audio signal amplitude of the Line and Microphone output ports.
- The Line and Microphone outputs in the receiver connect to other audio equipment.

NOTE: Actual product may vary from the images found in this document.

installing batteries

The transmitter requires 2 AA batteries for power (not supplied, available at RadioShack or online at www.radioshack.com). Replace the batteries when the power indicator turns off during talk mode.

1. Turn your transmitter off.
2. Remove the belt clip by pulling up the tab and sliding the belt clip downward. Then, remove the battery compartment cover. Replace when finished.
3. Install two AA batteries, following the polarity symbols (+ and -) marked inside.



battery notes

- Dispose of old batteries promptly and properly.
- Do not burn or bury batteries.
- Use only fresh batteries of the required size and recommended type.
- Do not mix batteries of different sizes or chemistries.
- If you do not plan to use your microphone system for a month or more, remove the batteries. Batteries can leak chemicals that can damage electronic parts.

connecting your receiver

The receiver requires a 9V AC/DC adapter for power.

1. Turn off the receiver and set **VOLUME** to **MIN**.
2. Use the power adapter to connect the receiver to a standard 120V AC wall outlet.
3. Use a shielded audio cable (not included, available at RadioShack or online at www.radioshack.com) to connect the **LINE** jack on the receiver to the **LINE/AUX** jack on your PA amplifier, tape deck, mixer, or other input port.



Shielded Audio Cable
(Connect to PA amplifier,
tape deck, mixer, or
other input port.)

Power adapter
(Connect to wall outlet.)
1/4" Audio Cable
(Connect to MICROPHONE IN
on your amplifier.)

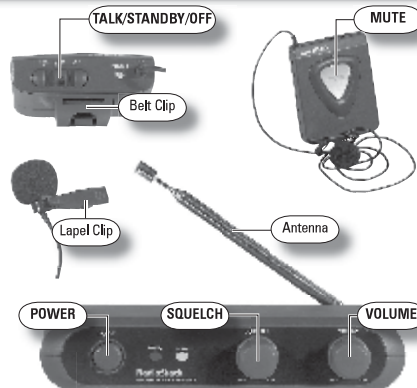
NOTE: If you are using your amplifier's **LINE/AUX IN**, connect the **MICROPHONE** jack on the receiver to **MICROPHONE IN** on your amplifier using 1/4" audio cable (available at RadioShack or www.radioshack.com). You can connect both output jacks to an amplifier and a tape recorder to record the microphone signals at the same time when you are listening to the audio.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
WARNING: To reduce the risk of fire or shock hazard, do not expose this product to rain or moisture.
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER OR BACK, NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.
The lightning symbol is intended to alert you to the presence of uninsulated, dangerous voltage within this product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.
The exclamation mark symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this product.

using your microphone system

1. Clip the microphone onto your clothing, three to eight inches from your mouth.
2. Clip the transmitter to your belt or place it in your pocket.
3. Set **POWER** on the receiver to **ON** and make sure the power indicator LED lights up.
4. Fully extend the receiver's antenna.
5. Set the transmitter's **TALK/STANDBY/OFF** switch to **TALK**. The **READY** LED indicator on the receiver will light up.
6. Speak at a normal level and adjust **VOLUME** on the receiver.
7. If you want to momentarily turn off the microphone, press and hold **MUTE**. Release **MUTE** when you are ready to talk.
8. Use **STANDBY** to avoid the popping noise that might occur if you turn **TALK/STANDBY/OFF** to **OFF** and then back to **TALK**.
9. Rotate **SQUELCH** to control the transmitting distance. Turn to minimum to increase the transmitting distance.

NOTE: When you finish using the system, be sure to switch the transmitter to **OFF** mode to save battery power.



caring for your microphone system

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

product specifications

Frequency.....	169,505, 170,245, or 171,805 MHz
Transmitter	
Directivity.....	Unidirectional
Sensitivity.....	-88dB SPL at 7kHz FM
Operating range.....	200 Ft
Power Source.....	3.0 VDC (2 AA Batteries)
Current Consumption.....	Less than 60mA
Battery Life.....	About 40 hours with Alkaline Batteries
Dimensions.....	76x61x29mm
Weight.....	57g
Receiver	
Line Output.....	510mV
Microphone Output.....	10mV
Image Rejection.....	55dB
Spurious Rejection.....	55dB
Frequency Response.....	80—10,000Hz
Power Requirement.....	9V, 200mA AC/DC Adapter
Dimensions.....	170x106x37mm
Weight.....	220g

NOTE: Specifications are typical; individual units may vary. Specifications are subject to change and improvement without notice.

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

This device complies with Part 15 of the FCC Rules. Operation is subject to the following 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.

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. For complete warranty details and exclusions, check with your local RadioShack store.

RadioShack Customer Relations
300 RadioShack Circle, Fort Worth, TX 76102

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ADDENDUM

Wireless lapel microphone system

32-1257

Warning: Modifying, tampering with, or adjusting this unit, or replacing any transmitter component (crystal, semiconductor, etc.) may result in a violation of the FCC rules.

FCC NOTICE

This wireless microphone system complies with Part 90 of the FCC Rules. There are three frequencies available for the system. You must obtain a license for each frequency you plan to use before operating your system. One license can include both frequencies. Visit <http://wireless.fcc.gov/uls/>, or call your local FCC office to apply for your license. Your ability to obtain a license will depend on how you plan to use the system.

For RF exposure

“IMPORTANT NOTE: To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the system exceeding the RF exposure requirements.”

For devices less than 200mW ERP

SAFETY INFORMATION

Your wireless microphone contains a low power transmitter. When the EUT is powered on, it sends out radio frequency (RF) signals. In August 1996, the Federal Communications Commissions (FCC) adopted RF exposure guidelines with safety levels for wireless devices.

IMPORTANT

To maintain compliance with the FCC's RF exposure guidelines, hold the transmitter and antenna at least 1 inch (2.5 centimetres) from your face and speak in a normal voice, with the antenna pointed up and away from the face. Ensure that the antenna is at least 1 inch (2.5 centimetres) from your body when you are using your wireless microphone.

Use only the supplied antenna. Unauthorized antennas, modifications, or attachments could damage the transmitter and may violate FCC regulations.