



Cat. No. 21-1831

Communications Headset with VOX

Your RadioShack Communications Headset with VOX (Voice Activation) allows handsfree operation of your mobile or handheld communications transceiver. You can use this headset with many of the RadioShack handheld amateur radio, business band, FRS (Family Radio Service), and citizen's band transceivers that have external microphone and speaker jacks.

The headset has these features:

Voice Activation Control (VOX) — lets you set the headset to automatically activate the transceiver so you transmit only when you speak.

Push-To-Talk (PTT) Button — lets you manually switch between transmitting and receiving when the voice activation feature is not appropriate.

Noise-Canceling Microphone — minimizes the surrounding noise while you talk into the microphone.

Lightweight Adjustable Headband — ensures a snug, comfortable fit.

Rotating Microphone Boom — lets you position the microphone for either right- or left-ear use.

Low-Power Circuitry — operates for more than 400 hours on one AAA alkaline battery (not supplied), and about 200 hours on one AAA re-

chargeable nickel-cadmium battery (not supplied).

PREPARATION

Installing the Battery

Your headset requires one AAA battery for power. For the best performance and longest life, we recommend RadioShack alkaline batteries.

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

Follow these steps to install the battery.

1. Press down on the battery compartment cover and slide it in the direction of the arrow.
2. Install the battery as indicated by the polarity symbols (+ and -) marked inside the compartment.
3. Replace the cover.

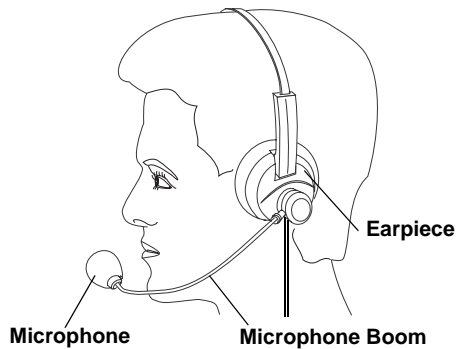
Note: If you are using VOX operation and the transceiver does not switch to transmit when you begin speaking, replace the battery.

Warning: Dispose of the old battery promptly and properly. Do not burn or bury it.

Caution: If you do not plan to use the headset for a week or more, remove the

battery. Batteries can leak chemicals that destroy electronic parts.

Adjusting the Headband and Microphone



1. Place the headset on your head with the earpiece over either ear.
2. Position the headset band so there is almost no pressure on your ear or the top of your head. Make adjustments as desired.
 - If the headset is loose, push the earpiece upward slightly to tighten it.
 - If the headset is tight, pull the earpiece downward to loosen it.
3. Hold the headset in place and position the microphone boom up or down until it is about even with your chin. You might need to bend the flexible boom to position the microphone so voice activation works properly. Experiment until you find the best position.

Listening Safely

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

- 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.

Traffic Safety

Do not use your headset when operating a motor vehicle or riding a bicycle in or near traffic. Doing so can create a traffic hazard and could be illegal in some areas.

Using the Belt and Lapel Clips

Use the clip on the back of the control box to attach the control box to your belt or pocket.

Use the supplied lapel clip to attach the headset wire to your clothing, if desired.

Connecting to the Transceiver

Note: To avoid accidental transmission, set **VOX** to **OFF** and turn off your trans-

ceiver before you connect the headset to it.

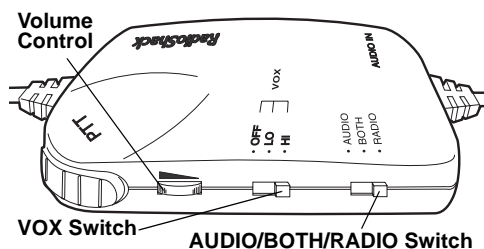
Insert the headset's $\frac{1}{8}$ -inch (3.5-mm) speaker plug into the transceiver's ear-phone jack. Then insert the headset's $\frac{3}{32}$ -inch (2.5-mm) microphone plug into the transceiver's microphone jack.

OPERATION

You can manually switch between transmitting and receiving (see "PTT (Push-To-Talk Button) Operation" on Page 4) or use VOX to automatically transmit when you talk, then receive when you stop talking (see "VOX Operation").

Caution: Never position the headset's cord or the control box near the transceiver's antenna. If the cord or the control box is too close to the antenna, the transmitting range might be shortened or the control box might not correctly switch between transmit and receive.

VOX Operation



1. Set the headset's volume control (on the control box) to its lowest setting (toward the narrow end of the arrow).

2. Set **AUDIO/BOTH/RADIO** to **RADIO** or **BOTH**.

3. Set **VOX** to **LO** (low) or **HI** (high). If you are operating the transceiver where there is little background noise, set the switch to **HI**. When background noise or wind is strong, set the switch to **LO**.

4. Turn on your transceiver and set its volume to about mid-range.

5. Adjust the headset's volume control to a comfortable level.

6. Speak into the microphone. The transceiver automatically switches to transmit. When you stop talking, the transceiver automatically switches to receive after about 2 seconds.

Note: If you set the switch to **LO**, you might have to speak in a louder-than-normal voice.

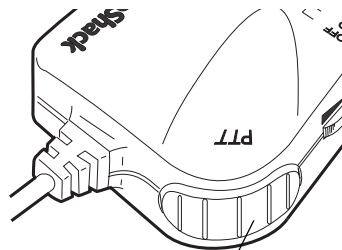
7. When you finish operation, turn off the transceiver first, then turn off the headset by setting **VOX** to **OFF**.

Notes:

- The headset quickly switches the transceiver to transmit after you start talking. However, some transceivers require more time between when the transmit circuit is activated and when it actually begins to transmit. On these transceivers, the first part of the first word you say might not transmit. You might want to precede your transmission with "Umm," or extend the first sound to ensure your entire message is received.

- To transmit continuously during VOX operation, even if you stop talking for a few seconds, hold down **PTT**. When you release **PTT**, transmitting stops after about 2 seconds of silence.
- After the volume controls are set, you can adjust the volume with either the headset's or the transceiver's volume control.

PTT (Push-To-Talk Button) Operation

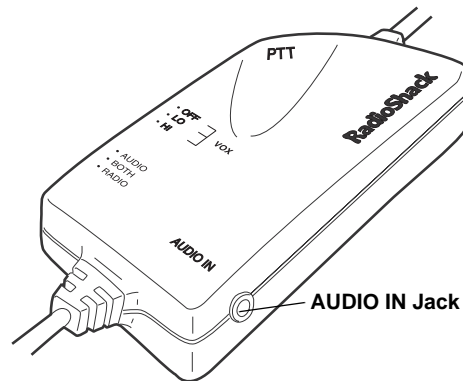


Push-to-Talk Button

1. Set the headset's volume control to its lowest setting.
2. Set **AUDIO/BOTH/RADIO** to **RADIO** or **BOTH**.
3. Set **VOX** to **OFF**.
4. Turn on your transceiver and set its volume to about mid-range.
5. Adjust the headset's volume control to a comfortable level.
6. Press **PTT** to transmit and release it to receive.
7. When you finish operation, turn off the transceiver.

Using the AUDIO IN Jack

You can attach an audio source (such as a cassette player, CD player, or radio) to the headset so you can listen to music while talking to others. Simply plug one end of the 1/8-inch (3.5-mm) audio input cable (not supplied) to the **AUDIO IN** jack, and the other end to the headphone jack on the audio source.



Setting **AUDIO/BOTH/RADIO** affects what you hear through the earpiece.

- To listen to music but still receive transceiver signals, set **AUDIO/BOTH/RADIO** to **BOTH**.
- To hear only transceiver signals, set **AUDIO/BOTH/RADIO** to **RADIO**.
- To listen to music only, set **AUDIO/BOTH/RADIO** to **AUDIO**.

You can transmit (talk) in PTT mode with **AUDIO/BOTH/RADIO** in any setting. However, VOX works only with this switch set to **RADIO** or **BOTH**.

SPECIFICATIONS

Power Supply 1.5 Volt (One AAA Battery)

Current Drain:

VOX Operation 2 mA

PTT Operation 2 mA with PTT Pressed

Battery Life About 400 Hours of VOX Operation
(No Drain with VOX Off)

Electret Microphone:

Plug Size $\frac{3}{32}$ Inch (2.5 mm)

Impedance 2.2 kohm

Speaker:

Plug Size $\frac{1}{8}$ Inch (3.5 mm)

Impedance 32 Ohms

Sensitivity 111 dB SPL (at 1 kHz, 1 mW)

VOX Activation Time Less than 5 Milliseconds
(Some Transceivers Have Additional Delays)

VOX Recovery Time About 2 Seconds
(Some Transceivers Have Additional Delays)

VOX Sensitivity:

LO 105 dB SPL

HI 96 dB SPL

Dimensions (HWD, Control Box Without Belt Clip) $2\frac{15}{16} \times 1\frac{3}{4} \times \frac{2}{3}$ Inches
(75 × 44 × 17 mm)

Weight (Control Box Without Battery) 3.7 oz
(106 g)

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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