Single Ear Mono Headset
with VOX (Voice Activation)

21-1898

! IMPORTANT!
If an icon appears at the end of a paragraph, go to the box on that page with the corresponding icon for pertinent information.

⚠ — Warning   ⚠ — Hint  
⚠ — Caution   ⚠ — Note

⚠ WARNING ⚠
Dispose of the old battery promptly and properly. Do not burn or bury it.

⚠ CAUTION ⚠
• Use only a fresh battery of the required size and recommended type.
• If you do not plan to use the headset for a week or more, remove the batteries. Batteries can leak chemicals that destroy electronic parts.

Your RadioShack Single Ear Mono 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 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-Cancelling 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 rechargeable nickel-cadmium battery (not supplied).

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.

PREPARATION
INSTALLING THE BATTERY
Your headset requires one AAA battery (not supplied) for power. For the best performance and longest life, we recommend RadioShack alkaline batteries.

1. Press down on the battery compartment cover and slide it in the direction of the arrow.

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.
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.

NOTE

- To avoid accidental transmission, set VOX to OFF and turn off your transceiver before you connect the headset to it.
- If you set the switch to LO, you might have to speak in a louder-than-normal voice.
- 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.

CONNECTING TO THE TRANSCEIVER

Insert the headset’s ¼-inch speaker plug into the transceiver’s earphone jack. Then insert the headset’s ¼-inch microphone plug into the transceiver’s microphone jack.

OPERATION

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

VOX OPERATION

Volume Control

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/BOOTH/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.
7. When you finish operating the headset, 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 ¼-inch audio input cable (not supplied) to the AUDIO IN jack, and the other end to the headphone jack on the audio source.

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

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

You can transmit (talk) in PTT mode with AUDIO/BOOTH/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: 3/8 Inch
- Impedance: 2.2 kohm
Speaker:
- Plug Size: 3/8 Inch
- Impedance: 32 Ohms
- Sensitivity: 112 dB SPL (at 1 kHz, 1 mW)
VOX Activation Time: Less than 5 Milliseconds
VOX Recovery Time: About 2 Seconds
VOX Sensitivity:
- LO: 101 dB SPL
- HI: 92 dB SPL
Dimensions: 2 3/4 x 1 3/4 x 3/8 Inches (HWD, Control Box Without Belt Clip)
Weight: 3.7 oz
Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.