



19-316.fm Page 1 Tuesday, August 3, 1999 1:48



Cat. No. 19-316
OWNER'S MANUAL



Please read before using this equipment.

**In-Ear Phone
Communications
Headset**



RadioShack®





FEATURES



Your RadioShack In-Ear Phone Communications Headset allows handsfree operation with your handheld communications transceiver.



You can use this headset with many of the RadioShack handheld amateur radio, business band, Family Radio Service, citizen's band, and GMRS transceivers that have external microphone and



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speaker jacks, such as the HTX-202 2-Meter Transceiver (Cat. No. 19-1120) or the HTX-404 440 MHz Transceiver (Cat. No. 19-1140).

The headset is also compatible with Icom, Standard, Yaesu, and Alinco transceivers.

The headset has these features:

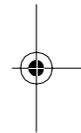
Voice Activation Control (VOX)
— you can set the headset to automatically activate the transceiver



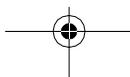
so you transmit only when you speak.

Push-To-Talk (PTT) Button —

lets you manually switch between transmitting and receiving when the voice activation feature is not appropriate.



Small, Lightweight Earbud and Boom Microphone — ensures snug and comfortable handsfree operation.





VOX Sensitivity Control — lets you adjust the microphone's sensitivity to your voice level.

Low-Power Circuitry — operates for more than 500 hours on one AAA alkaline battery (not supplied).

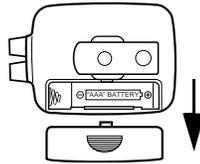
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PREPARATION

INSTALLING THE BATTERY

You need one AAA battery to operate the headset. For the longest battery life, we recommend an alkaline battery, such as Cat. No. 23-555. Follow these steps to install the battery.



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

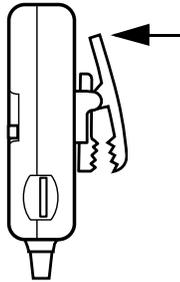
2. Install the battery in the compartment as indicated by the polarity symbols (+ and -) marked inside.

3. Replace the cover.

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

USING THE CLIP

You can use the clip to attach the headset's control box to a pocket or belt.

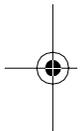
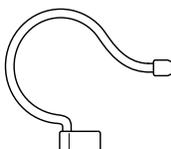




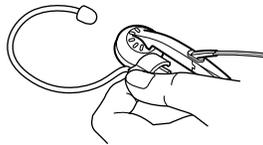
WEARING THE HEADSET

Put the headset's ear plug into either ear. You can use the supplied ear hook to hold the headset firmly in place.

1. Bend the ear hook to shape it as shown.



2. Attach the clip to the headset.



3. Put the hook around your ear and reshape it as shown.





To adjust the microphone's position so voice activation works properly, bend the boom.



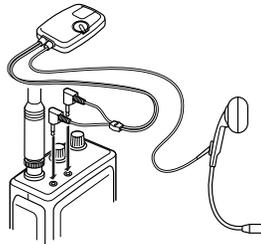
CONNECTING TO THE TRANSCEIVER



Note: To avoid accidental transmission, set **VOX** to **OFF** and turn off your transceiver before you connect the headset to the transceiver.



Insert the headset's $\frac{1}{8}$ -inch (3.5-mm) speaker plug into the transceiver's earphone 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 15), or use VOX to automatically transmit when you talk, then receive when you stop talking (see “VOX Operation” on Page 17).



Before you begin operation, set the transceiver’s volume control to the minimum position and turn on the transceiver, then adjust the volume to the desired sound level.





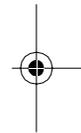
Caution: Never position the headset's cord or the control box near the transceiver's antenna. If the cord or the control box is too close to the antenna, the range might be reduced or the control box might not correctly switch the transceiver between transmit and receive.



PTT (PUSH-TO-TALK BUTTON) OPERATION



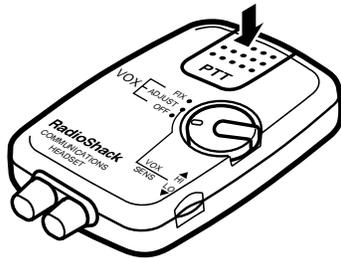
You can use the **PTT** button to manually switch between transmitting and receiving.



1. Set **VOX** to **OFF**.



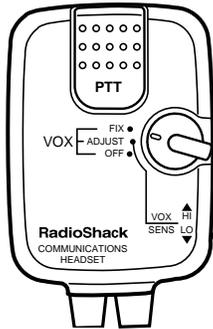
2. Press **PTT** to transmit and release it to receive.



3. When you finish operation, turn off the transceiver.

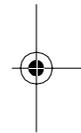
VOX OPERATION

1. Set VOX to FIX.





2. Speak into the microphone.
The transceiver is automatically set to transmit. When you stop talking, the transceiver automatically switches to receive after about 1 second.



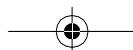
3. When you finish operation, turn off the transceiver first, then turn off the headset by setting **VOX** to **OFF**.





Notes:

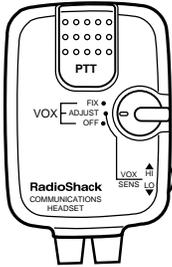
- Because the headset quickly switches the transceiver to transmit as soon as you start talking, the receiving party might not hear the first word you say. You might want to extend or repeat the first word of each transmission to ensure your entire message is received.



- 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 1 second of silence.

Adjusting VOX Sensitivity

To adjust the level of sound that activates transmissions, set **VOX** to **ADJUST**.



- If the background noise or wind is strong, rotate **VOX SENS** toward **LO** to decrease the microphone's sensitivity. You might have to speak in a louder-than-normal voice to start transmitting.



- To increase the microphone's sensitivity, rotate **VOX SENS** toward **HI**.

SPECIFICATIONS

Power Supply 1.5 Volts
(One AAA Battery)

Current Drain:

VOX Operation 2.5 mA
PTT Operation 2.8 mA
with PTT Pressed
(No Drain at Receive Mode)

Battery Life About 500 Hours
(with Alkaline Battery)

Earbud Speaker:

Impedance 220 ohms
Sensitivity 93 dB SPL
at 1 kHz 1.0 V RMS



Plug Size 1/8 Inch (3.5 mm)

Microphone:

Type Electret

Directionality Unidirectional

Output Impedance .. 2.2 kOhms

Plug Size 3/32 Inch (2.5 mm)



VOX Sensitivity:

FIX Position 83 dBc SPL

ADJUST Position 76-96 dBc
SPL (adjustable)

VOX Activation

Time 1 Millisecond
(switch to transmit)



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VOX Recovery

Time About 1.0 Second
(switch to receive)

Weight (without battery) 1.8 oz
(51 gm)

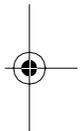
Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.



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 the limitations on how long an implied warranty lasts or the exclusion 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 *(Continued)*





(Continued) 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 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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A Division of Tandy Corporation
Fort Worth, Texas 76102
8A8 Printed in Hong Kong

