

**OPTIMUS®**

Cat. No. 33-3012

## Lightweight Headset Microphone

Your Optimus Lightweight Headset Microphone is a highly sensitive, condenser microphone with wide frequency response for crisp, clear sound. Its sleek, hands-free design is ideal for anyone who uses a microphone while speaking or performing, such as a vocalist, coach, or teacher.

The microphone is a great companion to the RadioShack 2-Channel Wireless Audio Link System (Cat. No. 32-1235), which lets you connect the microphone to a wireless transmitter. You can also use the microphone with most PC sound cards (powered or unpowered) that have a  $\frac{1}{8}$ - or  $\frac{1}{4}$ -inch microphone input jack.

Your microphone's features include:

**Hands-Free Headset** — keeps your hands free for other tasks while you speak or perform.

**Gooseneck Microphone Stem** — lets you easily adjust the microphone's position as you wear the headset.

**Adjustable Headband** — lets you adjust the headset to fit comfortably over your head and hair.

**On/Off Control with Belt Clip** — lets you conveniently turn the microphone on and off at any time (so you don't have to turn off the audio source between events or speakers, for example).

## INSTALLING THE BATTERY

Your headset microphone comes with a 357A silver-oxide button-cell battery for power. Follow these steps to install the battery.

***ILLUSTRATION showing the cover removed and above the compartment (with directional arrow) and the battery (clearly shown with the positive side up) beside the compartment, and an arrow pointing from the battery into the compartment***

1. Press in the tab on the battery compartment cover and pull up on the cover to remove it.
2. Place the battery in the compartment with the positive (+) side facing up.
3. Replace the cover.



**Note:** If you will not be using the microphone for several months, remove the battery.

When the microphone's sound weakens or if it stops working properly, replace the battery with RadioShack Cat. No. 23-105.

**Warnings:**

- Keep batteries out of reach of children. Swallowing a button-cell battery can be fatal.
- Always dispose of an old battery promptly and properly. Do not burn or bury it.

**Caution:** Always use a fresh battery of the required size and recommended type.

2. Check the size of the audio source's microphone jack. If it is not  $\frac{1}{4}$  inch (6.35 mm), pull off the  $\frac{1}{4}$ -inch adapter plug from the end of the control's cord.
3. Connect the control's plug to the audio source's jack.

## USING THE MICROPHONE

1. With the headband in back, slide the headset onto your head.

*ILLUSTRATION showing the headset being placed onto a realistic human head*

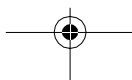
## MAKING THE CONNECTIONS

*ILLUSTRATION showing the plug being connected to the jack on the control, and the 1/4 inch adapter plug being removed from the end of the mic's cord*

**Note:** If the headset does not fit properly, pull up and reposition the hook and loop strips on each end of the headband.

*ILLUSTRATION showing the headset band strips being repositioned*

1. Connect the headset's  $\frac{1}{8}$ -inch (3.5 mm) plug to the jack on the control.





2. For the best sound, bend the microphone's gooseneck stem so the microphone is about 1 inch away from your mouth.

***ILLUSTRATION showing the microphone being adjusted to be in front of the user's mouth***

3. To hold the control in place for easy access, slide the belt clip on the control down onto your belt or over a fold of fabric.

***ILLUSTRATION showing the control being slid down onto the user's lapel***

4. To turn on the microphone, set **ON/OFF** to **ON**. Then speak into the microphone and adjust the audio source's volume control to the desired listening level.

***ILLUSTRATION showing the ON/OFF switch close up, being set to ON***

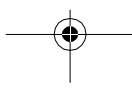
5. When you finish, set **ON/OFF** to **OFF** to turn off the microphone.

## CARE

To enjoy your Optimus Lightweight Headset Microphone for a long time:

- Keep the microphone dry. If it gets wet, wipe it dry immediately.
- Use and store the microphone only in normal temperature environments, and keep it away from dust and dirt.
- Handle the microphone gently and carefully. Don't drop it.
- Wipe the microphone with a damp cloth occasionally to keep it looking new.

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



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## SPECIFICATIONS

Directivity ..... Unidirectional  
Frequency Response ..... 100 Hz–12,000 kHz  
Impedance (at 1,000 Hz) ..... 400 Ohms  $\pm$ 30%  
Sensitivity (at 1,000 Hz) .....  $-70$  dB  $\pm$ 3 dB  
(0 dB = 1V/Micro Bar)

Cable Size/Length (Diameter  $\times$  Length):

Headset Microphone ..... 2.5 mm  $\times$  1.1 m  
Control ..... 2.0 mm  $\times$  5 m

Plug, Headset Microphone .....  $\frac{1}{8}$  in (3.5 mm) Mono

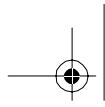
Plug, Control .....  $\frac{1}{8}$  in (3.5 mm) Mono 90° Angle Type

Weight:

Headset Microphone ..... 1.7 oz (49 g)  
Control ..... 1.6 oz (45 g)

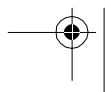
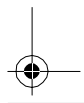
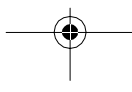
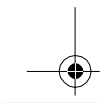
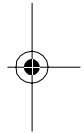
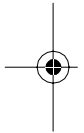
Included Accessories .....  $\frac{1}{8}$  in (3.5 mm) to  $\frac{1}{4}$  in (6.35 mm) Adapter Plug  
One 357A Silver-Oxide Button Cell Battery

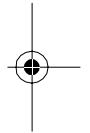
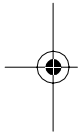
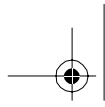
Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.



# FREQUENCY RESPONSE CURVE

*ILLUSTRATION*

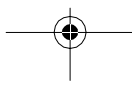


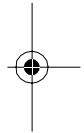
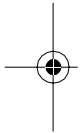


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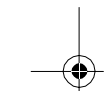
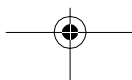


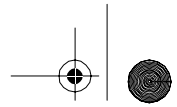


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### Limited Ninety-Day Warranty

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 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.

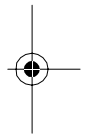
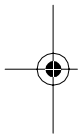
This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs 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, Dept. W, 100 Throckmorton St., Suite 600, Fort Worth, TX 76102

*We Service What We Sell*

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