

With a capsule diameter of just 3.5mm, the HS-48 provides a super low profile combined with excellent performance audio output. This standard grade omnidirectional condenser headworn mic offers a lightweight single ear design. It features an adjustable length 0.7mm flexible boom and distinctive ear loop that hooks over either ear without any adjustment. The HS48 eliminates the frustration from trying to achieve a secure and comfortable fit.

The HS-48 comes with two screw-on replaceable audio cables, acoustically transparent windscreens and a MIPRO wireless bodypack adapter. Additional optional adapters are available for use with Shure, AudioTechnica, AKG, Sennheiser, ElectroVoice, Lectrosonics, Sony and other belt packs. Optional Red Dot (RD) adapters have a built-in 15dB pad for use with MIPRO, AudioTechnica, AKG, ElectroVoice and Shure belt packs.

The HS-48 is available in black, cocoa brown or beige and ships in a leatherette case. This comfortable single ear headworn mic is a perfect solution for Houses of Worship, Theaters, Lecturers, Broadcast, Corporate A/V, and other applications where intelligible sound and low visibility are required.



The HS-48 features an adjustable length boom and a distinctive flexible ear-hook made with a self-adjusting soft spring polymer that eliminates the frustration of getting a secure and comfortable fit regardless of who is using it!

## HS-48 Specifications:

Element	Back electret condenser, 3.5mm diameter
Polar Pattern	Omni-directional
Frequency Response	20Hz-20KHz
Sensitivity	-45±3dB 1V/Pa @ 1KHz
Output Impedance	2000 Ohms±30%
SPL max	140dB (155dB with optional Red Dot adapter)
Operating Voltage	0.8V-5V D.C
Cable	Kevlar coated; 1.2m (47.25")
Capsule Diameter	3.5mm
Color	Black, Cocoa Brown or Beige
Wireless Body Pack Adapter	Included adapter: T5 Mipro Optional adapters: T1 & T1RD AudioTechnica, T2 & T2RD AKG, T3 Sennheiser, T4 & T4RD Shure, T5RD Mipro, T8 and T8RD Electro Voice, T9 Sony, T14 Lemo and T15 Lectrosonics
XLR Adapter	Optional adapter : MJ-53 for wired use
Accessories	Spare audio cable and windscreens
Weight (microphone, 1 cable and 1 T5 connector)	12.39g (0.437 ounces)

# Avlex HS-48 Headworn Microphone Fitting and Handling Guide

The Avlex HS Standard Voice Grade Series of microphones are made of a lightweight, flexible soft metal. The ultra low profile 0.7mm soft metal boom of the HS-48 bends easily but care should be taken when making adjustments to prevent damaging the microphone. Please avoid bending the boom at a sharp angle. Use a round object or the edge of your finger as a guide to prevent kinking the boom. Repeated bending in the same location will eventually cause a break in the boom or internal wires. Do not attempt to bend the boom near the capsule or next to the cable connector.

## How to mount the HS-48 headworn microphone:

The distinctive flexible ear-hook is made with a self-adjusting soft spring polymer that eliminates the frustration of getting a secure and comfortable fit regardless of who is using it! It is extremely comfortable to wear and automatically adjusts to each wearer, staying in place by applying consistent pressure regardless of ear size. It can easily be taken on and off by the wearer and returns to its original shape each time.

The HS-48 may be used over the left or right ear. Carefully open the soft spring hook and place it over your ear, let go of the spring. It's that simple. The base of the ear-hook should comfortably rest behind your earlobe.

## Adjusting Boom Length and Placement:

The HS-48 features an adjustable boom that easily accommodates different face shapes and helps eliminate pops and breath noise. Adjusting the length of the boom arm is a simple operation. Grasp the base of the ear-hook and rotate the boom slightly while making length adjustments to avoid undue stress to the boom arm. The optimum position is when the capsule is located just behind the edge of your mouth.

For proper placement gently curve the boom to the right for left ear use or to the left for right ear use. Use your thumb and forefinger to shape the boom carefully. Allow at least ½ inch of straight boom next to the earpiece; this allows the headset to be properly held in position.

With the headset firmly on the ear, adjust the boom up or down for best capsule location. The optimum position is when the capsule is located just behind the edge of your mouth when you smile and about a half inch from the side of your face. Do not position the capsule directly in front of the mouth. This will result in "pops" and breathing noise. The pickup pattern of the HS-48 will allow for the mic to function well over a large area.



The HS microphones use a replaceable, Kevlar covered cord. These cords are as light as possible in order to keep them comfortable and provide low visibility. Use caution when wearing and removing the mic and bodypack to keep the cord safe. Do not wrap excess cord around the bodypack. This will stress the cord and adapter and will result in the mini coaxial connector being broken.

We're confident you'll find the Avlex HS-48 Standard Grade headworn microphone to be a truly excellent product. Lightweight and comfortable, it will produce a clear natural sound for years to come. For additional information on the HS Series of Avlex Microphones including videos regarding fitting and handling, please visit the Avlex microphone section on our web site at [www.avlex.com](http://www.avlex.com).

### LIMITED ONE YEAR WARRANTY

This Limited Warranty is extended by Avlex Corporation to the owner of any Avlex HS or HSP series microphone purchased in the United States of America, the District of Columbia, Puerto Rico, or the US Virgin Islands. Avlex Corporation will repair or replace, at its sole option, any covered Avlex product that fails due to a defect in material or workmanship within one year following the date of the initial user purchase.

Cables and windscreens are excluded from coverage under this warranty. Product failure caused by misuse, abuse, neglect, accident, improper wiring or improper installation is not covered by this warranty.

This warranty does not cover any loss of time or income that may be caused by the failure of a warranted product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you.

To obtain performance under this warranty, return the warranted product with proof of the purchase date to the place of purchase, or contact Avlex Corporation Customer Support at 877-447-9216. A Customer Support Representative will go through the standard troubleshooting procedures in an effort to resolve the problem. If it is necessary to return the product you will be given a return authorization (RA) number and shipping instructions. Please be certain to write this information down. The product being returned along with the RA number, your contact information, and proof of purchase must be securely packed in an adequate (corrugated) shipping carton. The RA number must be written on the outside of the shipping carton (on the shipping label). You will be responsible for freight charges to Avlex and the product will be returned via UPS Ground with the shipping charges prepaid. Expedited shipping is available at an additional cost.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.