



COUNTRYMAN ASSOCIATES INC

## H6 OMNIDIRECTIONAL HEADSET MICROPHONE

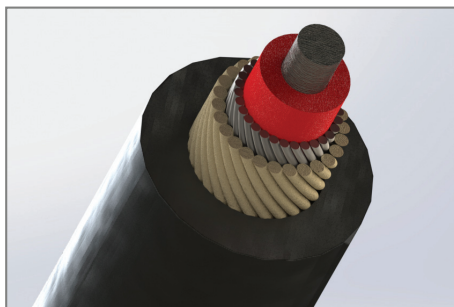
The H6 Omnidirectional Headset is the lowest profile headset microphone in the world. Combining the transparent sound quality and moisture-resistant capsule design of the E6 Earset with a comfortable, lightweight, and easily adjustable headframe, the H6 Omni Headset is perfect for houses-of-worship, theaters, broadcasters, and presenters. The H6 features a new sealed connector with exceptional moisture resistance, a slim and nearly indestructible cable, three frequency adjustment caps, and three sensitivity options.



**Nearly Invisible:** With a diameter of only 0.1" (2.5 mm)—the size of a No. 2 pencil lead—the mic capsule virtually disappears when worn.



**Sweat-Resistant Connector:** The mic detaches from the cable using a new connector with a tight seal against moisture (e.g., sweat).



**Extra-Rugged Cable:** The 1.2 mm diameter cable uses Aramid strength members and engineered alloys for extreme tensile and flex strength.



**Easily Adjustable:** The headframe can be adjusted to fit different head sizes and the mic boom slides to get the perfect fit.



Supplied with a 5' H6 Snap-On Cable, carrying case, windscreen, black and white collar clips, and protective caps.

**Frequency Response :** 20 Hz to 20 kHz  
**Operating Current :** 500  $\mu$ A  
**Operating Voltage :** 1 to 2 Volts  
**Power Supply Voltage :**  
 +3V with 2.7 kOhm Load  
 +5V with 6.8 kOhm Load  
 +9V with 15 kOhm Load  
**Weight :** 0.23 oz (6.5 grams)  
**Cable Break Strength :** > 44 lbs (20 kg)

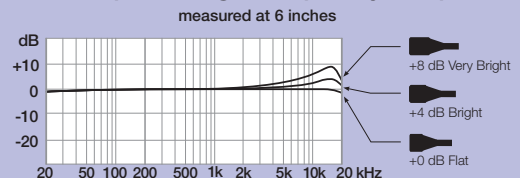
The H6 Headset is available in three sensitivities:

**Model H6OW5** for general speaking  
**Sensitivity:** 7.0 mV/Pascal  
**Equivalent Acoustic Noise:** 24 dBA SPL  
**Overload Sound Level:** 120 dB SPL

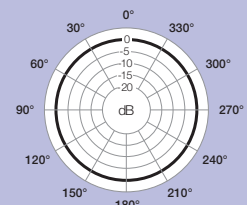
**Model H6OW6** for loud speaking and vocals  
**Sensitivity:** 2.0 mV/Pascal  
**Equivalent Acoustic Noise:** 29 dBA SPL  
**Overload Sound Level:** 130 dB SPL

**Model H6OW7** for powerful vocals  
**Sensitivity:** 0.70 mV/Pascal  
**Equivalent Acoustic Noise:** 39 dBA SPL  
**Overload Sound Level:** 140 dB SPL

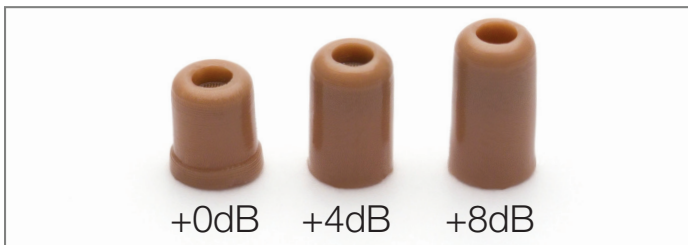
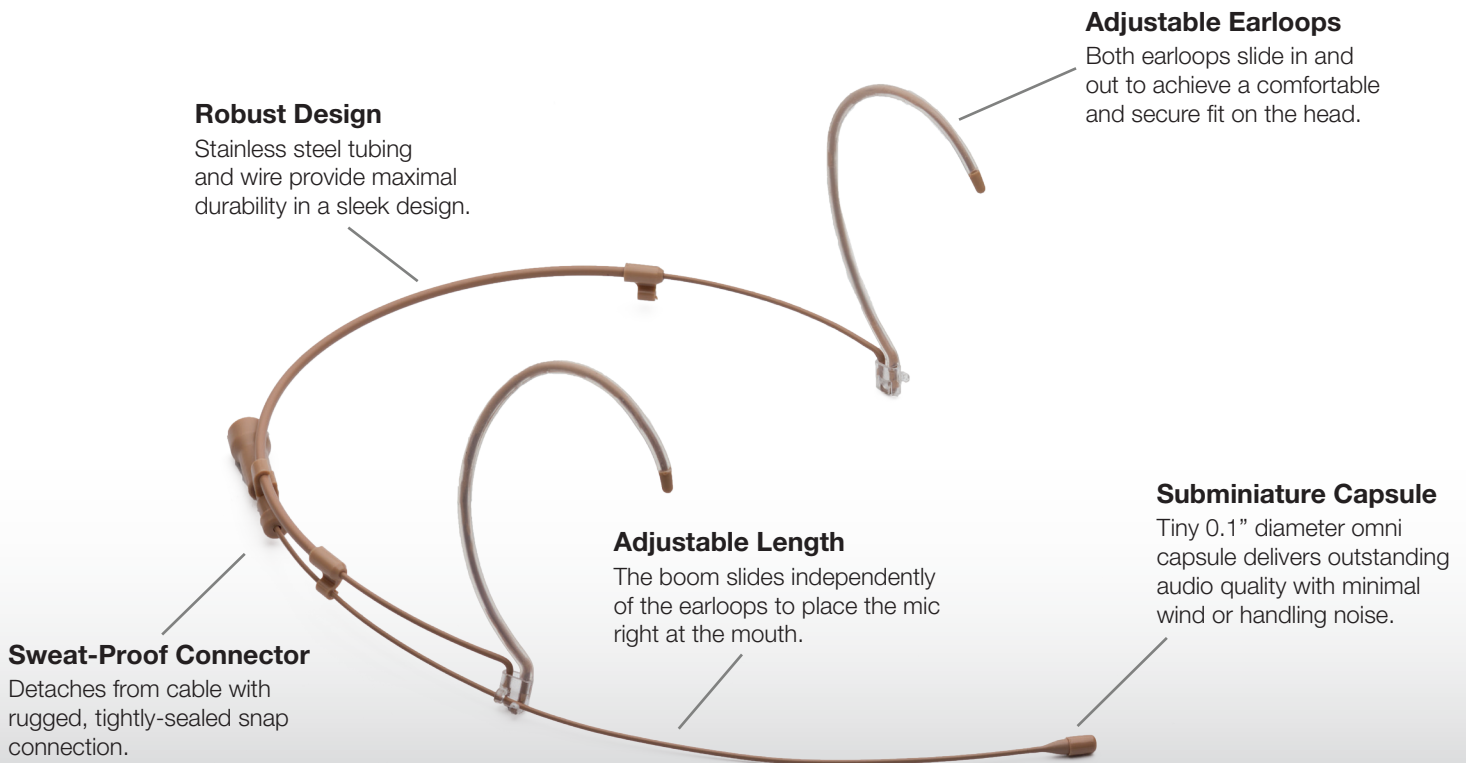
### How Caps Change Frequency Response



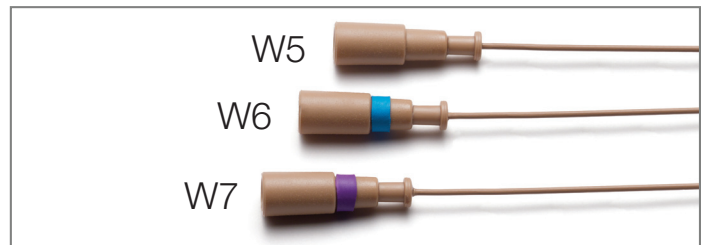
### 1 kHz Polar Response



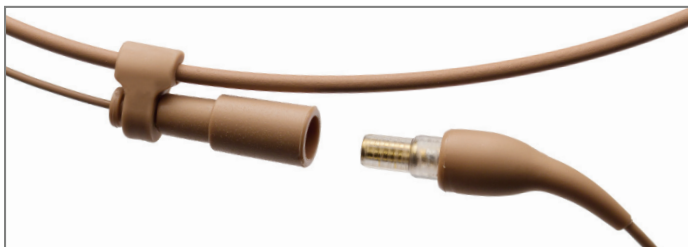
# H6 Omnidirectional Headset: Features and Use



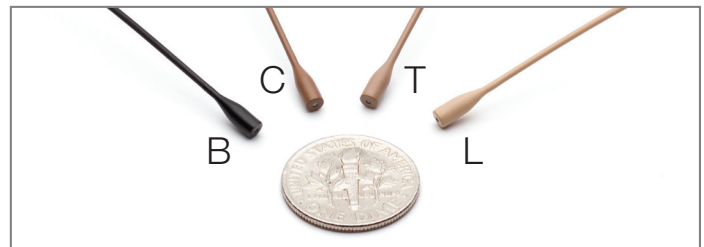
**Changeable Caps:** Change the high frequency response of the microphone by swapping the plastic cap. Choose +0dB for the flattest response, +4dB for bright highs, and +8dB for extra brightness. The most commonly used cap is +4dB (bright).



**Three Sensitivity Options:** The H6 Omni Headset is available in three sensitivity options. Choose W5 (no band) for general speaking, W6 (blue band) for loud speaking and vocals, and W7 (purple band) for powerful vocals such as opera.



**Detachable Cables:** With other microphones, a worn cable means you need to purchase a new microphone. An H6 Snap-On Cable attaches in seconds. Quick-connect super-rugged cables are available in four colors for almost any wireless transmitter, digital recorder or phantom powered XLR mic input providing 3-48V.



**Color Options:** Tan is the most popular choice, since it is perfect for average Caucasian skin tones, as well as olive complexions. Light beige works well in theatrical applications. Cocoa is ideal for African American skin tones from very light to chocolate, and black is appropriate if you want the mic to be visible.