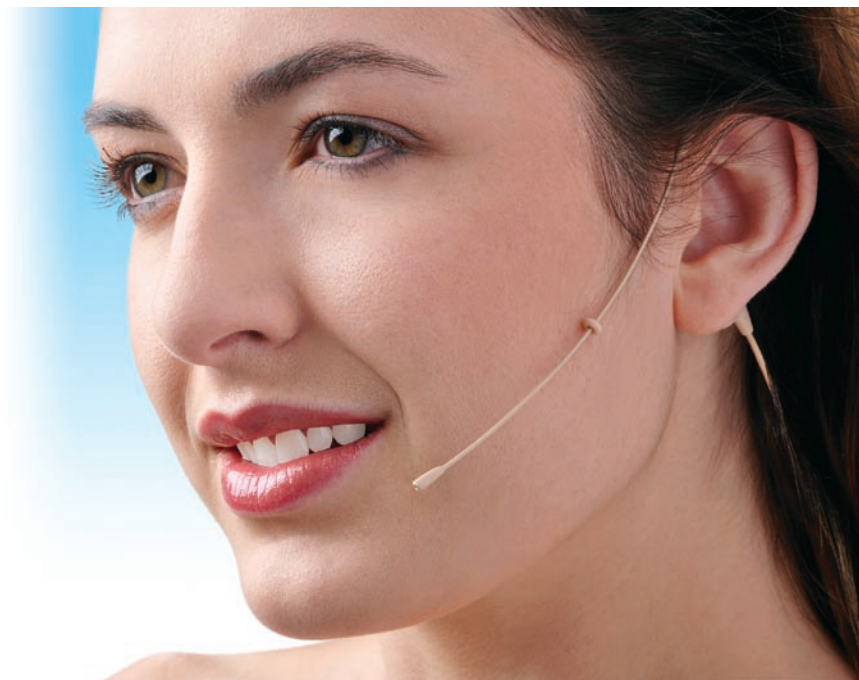


### Earset Microphone

- Ultra lightweight comfort
- Adjustable boom arm
- Low-visibility design
- Great acoustic performance
- Replaceable HF peak cap
- Adjustable “drip ring”
- 5-pin connector for Lectrosonics wireless transmitters



The HM172 “earset” microphone mounts securely to the user’s ear with a comfortable, bendable silicone frame and provides excellent vocal quality in a nearly invisible package. The cable runs neatly behind the neck for maximum concealment. A perspiration “drip” ring on the boom ensures the microphone capsule stays dry at all times. The flexible boom is ideal for maximum gain before feedback while keeping the element away from the user’s breath stream for low noise.

The HM172 exhibits an extended frequency response and an omni-directional polar pattern for outstanding clarity and natural sound with no proximity build-up. With its sleek and low profile design, coupled with professional audio quality, this unit is excellent for stage presentations, theatre and broadcast studio operations.



*The headset is terminated with TA5F connector wired for Lectrosonics wireless transmitters*

The microphone is pre-wired for use with Lectrosonics UHF belt pack transmitters including LM, LMa, UM400, UM400a, SM, SMa, SMV, SMDa and SMQV. The wiring is compatible with earlier 5-pin inputs and the latest servo bias 5-pin inputs.

A replaceable HF peak cap is provided to subtly control excessive energy at the highest range of the frequency response. The tiny perforations in the diaphragm in the cap also provide a barrier to dust and moisture.

The earpiece and boom can be shaped separately for a secure, comfortable fit suitable for hours of continuous use on the left or right side of the head. The perfect fit and ultra light weight make the microphone virtually “disappear” after even a short period of use.

The headset is furnished with two windscreens, a cable retaining clip and a spare HF peak cap.

# Operating Instructions

- 1) Place the microphone headband behind the ear. The pickup boom should be positioned to the side of the mouth with the cord running down the back of the neck.
- 2) Adjust pickup boom so that pickup element is to the side of the mouth, away from the skin. The pickup element should not be positioned in front of the mouth, since breath pops directly into the capsule will cause severe distortion.
- 3) Position the drip ring at the point where the boom just leaves contact with the skin.
- 4) Route the microphone cable loosely around the body so that the plug reaches the transmitter without coiling the microphone cable. Do not coil the cable around the transmitter.
- 5) Install the cable retaining clip and attach it to clothing or costume to keep the cable out of sight and relieve strain on the ear from cable tension.



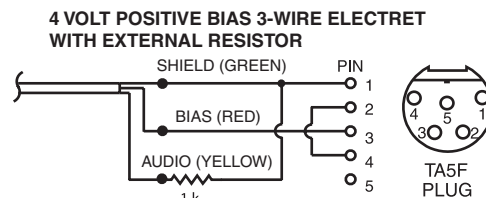
*Position the drip ring at the point where the boom just leaves contact with the skin.*



*The headset is furnished with two windscreens, a cable retaining clip and a spare HF peak cap.*

## Specifications

Type:	Electret Condenser
Polar Pattern:	Omn-directional
Frequency Response:	50 Hz – 20 kHz
Sensitivity:	7mV/Pascal
Maximum SPL:	125 dB
Signal to Noise Ratio:	64 dB @ 94 dB SPL
Bias Voltage:	2.0 – 9.0 V
Wiring:	<ul style="list-style-type: none"> <li>• Red: bias</li> <li>• Yellow: audio</li> <li>• Green: ground (shield)</li> </ul>
Cable Length:	54 inches (1.37 meter)
Weight:	9 grams (without connector)
Color:	Beige
Supplied Accessories:	<ul style="list-style-type: none"> <li>• Two foam windscreens</li> <li>• Cable clip</li> </ul>



This wiring is fully compatible with 5-pin inputs on Lectrosonics transmitters such as the LM and UM Series and later models with Servo Bias input preamp circuitry.

