

Headset Microphone



**Ideal for Long Ranger
Sound Systems!**

Feature Highlights

- Over the ear design for hands-free use
- Dual-element, noise cancelling mic capsule
- Improved gain before feedback with high output sound systems
- Comfortable, slim-line design for long-term use
- Rugged mic boom and suspension

The HM162 headset microphone is a lightweight, noise-cancelling design for use with high output PA systems. The comfortable, over-the-ear headband and flexible boom place the pickup capsule in an optimum location just to the left of the user's mouth. The headband keeps the pickup in this position as the user moves about, leaving the hands free for other tasks.

A bi-directional, dual-element, noise cancelling microphone capsule rejects extraneous sound and emphasizes the user's voice for maximum gain before feedback even in close proximity to sound system loudspeakers.

The lightweight headband includes an adjustable, elastic neckband to provide a comfortable fit around the back of the head. The over the ear design also allows the user to comfortably wear a cap or hat without interfering with the operation of the microphone.

The HM162 is furnished with a locking micro connector for use with Lectrosonics VHF belt pack wireless transmitters.

Rugged materials are used throughout the assembly to withstand the rigors of heavy use.

OPERATING INSTRUCTIONS

1) Place the microphone headband on the head with the headband over the ears. The pickup boom should be positioned to the left of the mouth with the flexible neckband around the back of the neck.

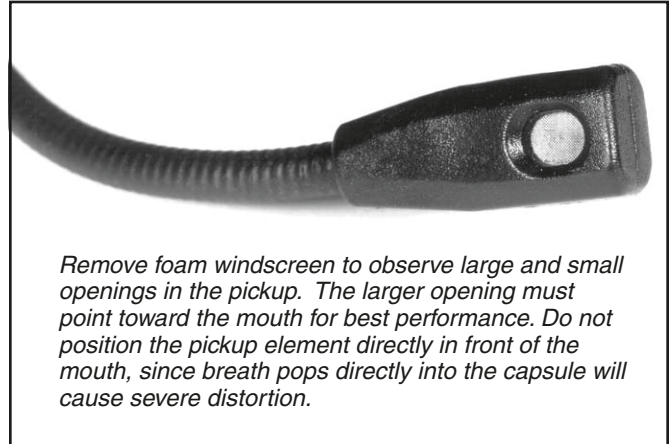
2) Adjust the flexible neckband so that the frame of the headset fits comfortably over the ears.

3) Adjust pickup boom so that pickup element is to the left of the mouth, 1/2" to 1" 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.**

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) Make sure the pickup element is directed toward the mouth (see photo).

Rotate the pickup element so that the large opening faces the mouth. Remove the foam windscreen to observe the large and small openings in the pickup element, then replace the windscreen.



Specifications

Pickup Type:	Back electret condenser
Polar Pattern:	Bi-directional, noise cancelling
Bias Requirements:	+1.3 to +20V DC
Current drain:	50 uA
Wiring configuration:	<ul style="list-style-type: none">• Red: + DC bias• White: audio + signal• Shield: Audio ground
Frequency response:	200 - 6000 Hz (2 cm, close-talking)
Maximum input level:	120 dB SPL

Waterproofing:	Secondary diaphragm
Boom length:	4.5 inches
Cable length:	44 inches
Weight:	1.6 ozs.
Connector:	2.5 mm Locking micro



2.5mm locking micro plug

