

If you have any questions regarding the proper headset or interface cable for your setup please reference our website

[www.heilsound.com/adaptorselector](http://www.heilsound.com/adaptorselector)

If you still have questions you can contact a local Heil Sound dealer or contact Heil Sound directly.

[www.heilsound.com](http://www.heilsound.com)

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All in and out of warranty items returned must be accompanied by a completed repair form, which can be found at <http://heilsound.com/amateur/repairs>  
Heil Sound, Ltd. warrants these products to the original purchaser for a period of one year parts and 90 days labor from the date of purchase. It does not cover accidental or intentional damage. Heil Sound is not responsible for loss, damage or expenses that arise from the use or the inability to use this product.

### Heil Sound Suggested Accessories



BM-17 / BM-17 IC



This mediumweight headset has been designed for emergency communications. The BM-17 is available in a single or dual-sided model with either a dynamic or electret element.



[www.heilsound.com](http://www.heilsound.com)

# BM-17

The BM-17 is a mediumweight headset designed for emergency communications. It is available as either a single-side or dual-side model. In addition, to accommodate different radio setups, the BM-17 is available with either a BM-17-Dynamic element or a BM-17-iC electret element.

The speakers used in the BM-17 are very sensitive and don't require much AF drive from the transceiver. The frequency response is 200 Hz - 5 kHz with very low distortion. The ear pads are replaceable acoustic foam.

The BM-17-Dynamic headset uses the BM-D dynamic element designed specifically for communications use. This 500 ohm dynamic element will work on most amateur radio rigs requiring a Low-Z input impedance (usually between 150 ohms and 4k ohms). Radios requiring a high impedance input of 10k to 30k ohms will require the use of an XT-1 impedance matching transformer. The BM-17-Dynamic has an operating frequency response of 120Hz - 10 kHz.

The iC electret element was made to eliminate issues with low gain audio of some iCOM rigs. This element must be paired with the AD-1-iC (included) or AD-1-iCM adapter. The iC adapters have no internal DC blocking capacitor so bias voltage can be passed allowing the iC electret element to operate. The iC element has an operating frequency response of 35Hz - 12kHz.

The microphone audio for the BM-17 series terminates into a 1/8" mono plug while the headphone terminates into a 1/8" stereo plug (1/8" to 1/4" adapter included).

The use of the AD-1 series mic adapters allows simple interface with popular transceiver inputs. The adapter is 6-8" long and has a 1/8" female input jack for the headset microphone while the 1/4" female that exits the adapter is the PTT (push to talk) line for the Heil foot switch or hand switch. The 1/8" or 1/4" stereo plug goes into the headphone jack on the transceiver front panel. See the diagram to the right for how to connect the AD-1 to this headset.



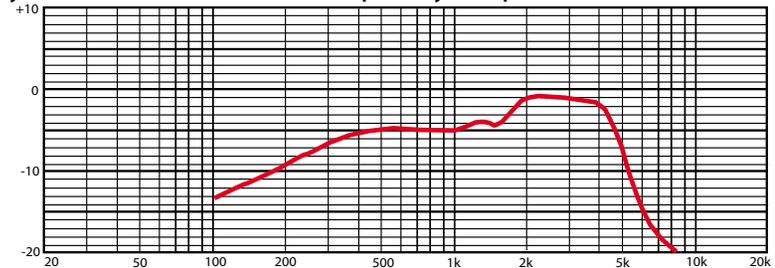
The boom is designed to be extremely flexible and is swivel mounted to the headphone speaker for optimal positioning in any situation.

## HEADBAND ADJUSTMENT

There is a stainless steel band inside the padded top band. By bending that top band you can adjust the pressure on your ears to a comfortable level.

|                    |   |
|--------------------|---|
| Generating Element | D: Dynamic<br>iC: iC Condenser            |
| Frequency Response | D: 120 Hz - 10 kHz<br>iC: 35 Hz - 12 kHz  |
| Polar Pattern      | D: Cardioid<br>iC: Cardioid               |
| Impedance          | D: 500 Ohms<br>iC: 1.5 k Ohms             |
| Output Level       | D: -60 dB at 1 kHz<br>iC: -38 dB at 1 kHz |
| Weight             | SS: 5.8 oz<br>DS: 7.3 oz                  |

Dynamic BM-D Element Frequency Response



iC Element Frequency Response

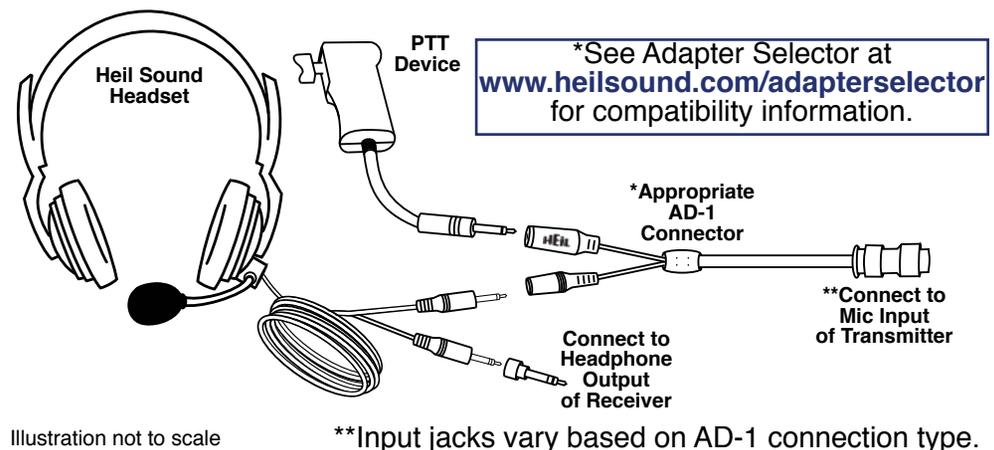
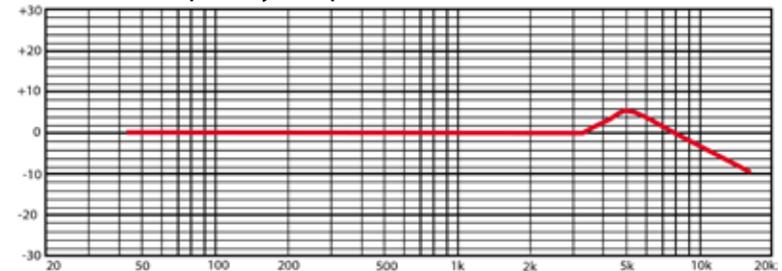


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