

Heil Sound Suggested Accessories



PRO SET ELITE-iC



All Heil Sound microphones come with a 3-year limited warranty. All other Heil Sound products come with a 1-year limited warranty. For more information on the Heil Sound limited warranty please visit our website. For information on repair costs and how to send a product in for a repair please visit our website.

If you have any questions regarding the proper headset or interface cable for your setup please see the product compatibility guide on our website.

www.heilhamradio.com



The Pro Set Elite is the ideal boomset for active amateur radio operators. It is comfortable, rugged and it has excellent fidelity on both transmit and receive.

PRO SET ELITE

The Pro Set Elite offers dual side, full ear muff with high rejection of outside noise, speaker phase reversal switch, rugged attached microphone boom, flexible to 6' coil cable and washable ear pad covers.

The speakers are mounted in acoustically tuned chambers. Highly efficient 32 ohm drivers are used with their -3dB points at 10 Hz and 22 kHz that can be driven with very low amplifier power. The exclusive Heil Phase Reversal Switch is used to acoustically 'move' the signal from front to back. Reversing the phase creates a spatial widening of the sound field making it easier to 'see' a radio signal in a pileup as well as removing listening fatigue. The two speakers are terminated in a stereo 1/8" male connector and comes with a stereo 1/4" adapter.

The Pro Set Elite - 6 microphone contains the Heil HC 6 full range dynamic broadcast element. The -3dB points are fixed at 100 Hz and 12 kHz with sensitivity of -57 dB at 600 ohms output impedance (centered at 1 kHz.)

The iC electret element works specifically with low gain audio of some iCOM rigs. This element must be paired with the proper adapter cable (not included). The iC element has an operating frequency response of 35Hz - 12kHz. The -3 dB points are fixed at 100 Hz and 12k Hz with the sensitivity of -57 at 600 ohms output centered at 1kHz. The iC element requires +5 volts D.C. bias power to operate. Please reference your iCOM manual for where to find this in the menu of your radio model.

The heavy duty microphone boom can be adjusted for proper placement which best performs with the microphone placed slightly BELOW the lower lip. It is advisable to position the microphone parallel to the floor and talk ACROSS the element which reduces breath blasts. The supplied windscreen does not change the frequency response, but only the breath blasts directly into the microphone.

The use of the accessory Heil AD-1 series microphone adapter cables allows simple interface with popular amateur radio transceiver inputs. The AD-1 eight inch long adapter has a 1/8" female input jack which the Grey 1/8" male mono plug at the end of the PRO SET ELITE coil cable connects into. The stereo Black 1/8" male connector of the PRO SET ELITE coil cable comes with a 1/4" stereo adapter which plugs directly into the headphone output jack of your receiver. The Heil AD-1 adapter cable also has a 1/4" female which is the Push To Talk line of your transceiver. A Heil handswitch or footswitch connects into the 1/4" pigtail. See the diagram to the right.



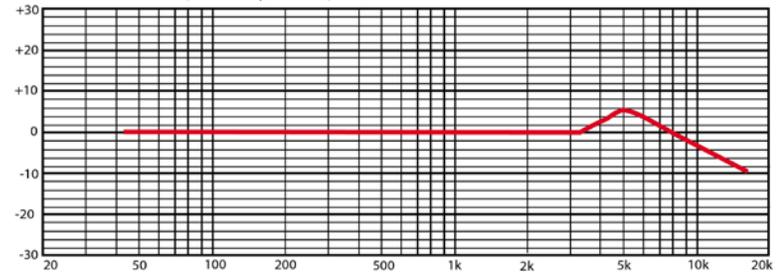
The vinyl cushioned ear pads are field replaceable and the cotton covers can be easily removed for washing.

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	6: Dynamic iC: iC Electret
Frequency Response	6: 100 Hz - 12 kHz iC: 35 Hz - 12 kHz
Polar Pattern	6: Cardioid iC: Cardioid
Impedance	6: 600 ohms iC: 1.5k ohms
Output Level	6: -57 dB @ 1 kHz iC: -48 dB @ 1 kHz
Weight	13.8 oz

iC Element Frequency Response



Dynamic HC6 Element Frequency Response

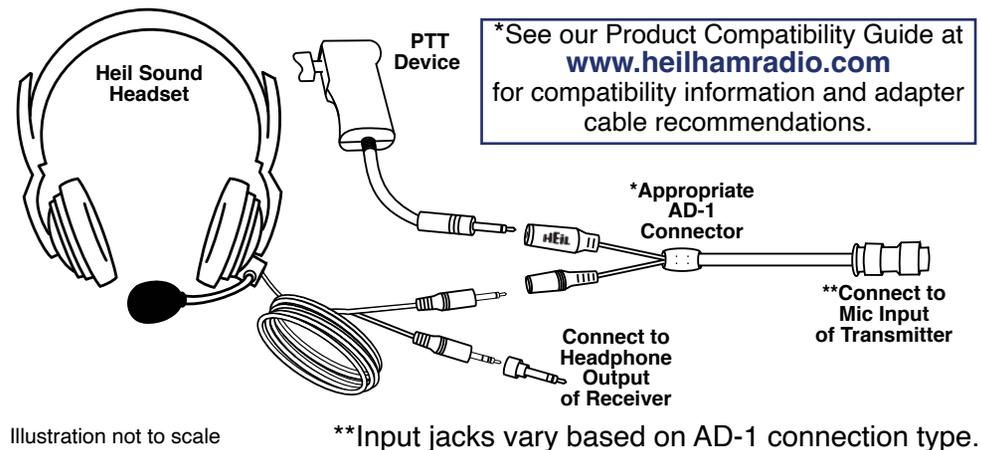
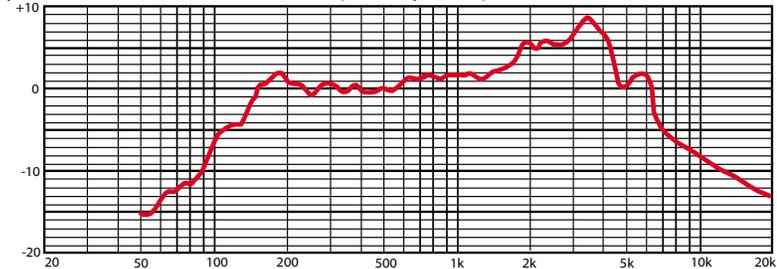


Illustration not to scale

**Input jacks vary based on AD-1 connection type.