



**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.

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.

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

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### Heil Sound Suggested Accessories



PRO SET ELITE-iC



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.

**If you have any questions regarding the proper headset or interface cable for your setup please contact a local Heil Sound dealer or contact Heil Sound directly.**



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

# PRO SET ELITE

## PRO SET ELITE-iC

The Heil Pro Set Elite has been designed for commercial sportscasters, podcasters and amateur radio operators. 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 speaker 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. Designed for commercial broadcast applications, 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 Pro Set Elite - iC microphone contains the specially designed high performance electret condenser which was designed for low level microphone inputs used in many iCOM transceivers. The -3dB points are fixed at 80 Hz and 12.5 kHz. The iC element requires + 5 volts d.c. phantom power to operate.

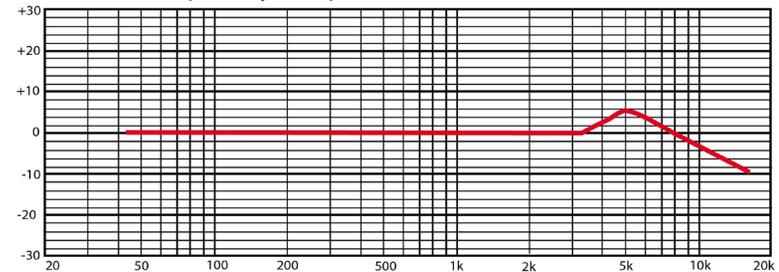
The heavy duty microphone boom can be adjusted for proper placement which best performs with the microphone placed slightly BELOW the lower lip. It is advisable to position the microphone parallel to the floor and talk ACROSS the element which reduces breath blasts. The supplied windscreen does not change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

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

