

HK-1 BONE CONDUCTION HELMET KIT



Firecom's bone conduction products are uniquely designed to provide enhanced communications in challenging environments.

Total Connectivity.

The microphone's unique ability to filter unnecessary background noise provides improved speech communication. Our bone conduction products supply the necessary signal processing to address distortion caused by the skull, which results in improved communication as compared to other bone conduction technology.



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Firecom's high quality bone conduction products are designed for use with our full range of intercom systems and portable, handheld radios. They are capable of withstanding ambient noise levels of up to 120dB SPL.

Bone Conduction Interfaces

Intercom Interface



The Firecom LX-30 interface connects the HK-1 to Firecom intercoms. The LX-30 is housed in a high impact case with a

Push-To-Talk (PTT) button and rotation belt clip. It provides the required electrical interface between the bone conduction products and the intercom.

Portable Radio Interface



The Firecom PT-X interface connects the HK-1 to the portable radio. The PT-X is housed in a high impact case with a

PTT button and rotation belt clip. It provides the required electrical interface between the bone conduction products and the radio.

Firecom interface connections are available for most popular portable radio models.

Warranty

All Firecom products are protected with a two-year limited warranty.

HK-1

Firecom's HK-1 combines the uniquely designed bone conduction microphone with a speaker mounted on a leather covered bracket and attaches to a first responder's helmet. The microphone sits behind the left ear and the speaker alongside the right ear.

- Fits most adjustable ratchet headband helmet models
- Provides clear communication in high-noise environments and when using SCBA equipment

Specifications

Speaker

Sensitivity	90dB SPL @ 1000 Hz, 1 mW
Frequency Response	600 - 8000 Hz
Impedance	35 ohms nominal

Microphone

Sensitivity	.002G acceleration for 2 mV RMS output at 1000Hz. For normal speech, output level is approx 2.8mV into 2000 ohm load
Frequency Response	600 - 7000 Hz +/- 4dB
Impedance	2000 ohms nominal
Maximum Ambient Noise Level	120dB SPL
Requires appropriate interface amplifier to connect to intercom or portable radio.	

Benefits

- Clear sound quality in high-noise environments
- Background noise attenuation
- Quick and easy to fit in helmet
- Easy to install
- Microphone is fully waterproof
- Can be used with any SCBA

Standard Bone Conduction Features

- Clear sound quality in high-noise environments up to 120dB SPL
- Noise attenuating bone conduction microphone
- Connects to an intercom or portable radio using the appropriate interface
- Connects to Firecom hardwired communication systems
- Large PTT button for easy access

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