TECHNICAL SPECIFICATION

JSP®

Sonis® Comms Mounted Ear Defenders

Sonis® Comms Mounted Ear Defender with Bluetooth® Wireless Technology / AEB081-5C7-N00

DESCRIPTION

Sonis® Comms is a powerful communication tool, providing group intercom and active hearing protection for safe teamwork in high-noise environments. Embedded DMC® (Dynamic Mesh Communication) technology creates an autonomous private network for seamless team communication.

The headsets are user-friendly and intuitive to operate via ergonomic buttons on the earcups, hands-free technology, the desktop configuration tool, and JSP Comms mobile app. Sonis® Comms combines comfort and design features established in the development of the Sonis® range with cutting-edge wireless technology to deliver the ultimate protection and unlimited connectivity.

OPTIONS

Sonis® Comms Mounted Ear Defender (AEB081-4C8-N00)

Sonis® Comms Mounted Ear Defender with Bluetooth® Wireless Technology (AEB081-5C7-N00)

SAFETY STANDARDS

EN 352-4 • EN 352-6 • EN 352-8 • EN 352-3

SPECIFICATIONS

Mounting Helmet	**SNR** 30 dB
Criterion Level (H) >110 dB Level 10	**Criterion Level (M)** >110 dB Level 10
Criterion Level (L) >110 dB Level 10	**Range** 3km (dependent on local legislation, terrain, structures, physical obstacles and number of units connected to the network/group) 800m (users can travel up to 800m from another connected headset)
Cup Material ABS	
Recyclable Yes	**Adjustable** Yes
Battery Type Rechargeable Li-ion, 2000mAh, 3.7V, 7.4Wh	**Hygiene** Hygiene Kit
Maximum Temperature +55°C	**IP Rating** IP54 (Sonis® Comms is rated IP54 when in a complete assembly and worn on the user's head)
BSI Kitemark Yes	**Minimum Temperature** -10°C
Product Weight 559g	**JSPCheck** Yes

FEATURES

DMC® Technology

Sonis® Comms uses DMC® (Dynamic Mesh Communication) technology powered by Cardo to establish a wireless mesh intercom system. The dynamic and self-healing network enables teams to move around freely, and allows team members to leave and re-join the network without interrupting the group connection.

100% Autonomous Network

Autonomous intercom system enables effective team communication in remote locations with no internet or mobile phone coverage.

Full Duplex Communication

Full duplex system allows all users to speak without waiting for transmissions to end, making sure no messages are lost or cut off.

Strength in Numbers

Each Sonis® Comms headset emits a signal, acting as a mini base station, to strengthen group connection with every member added.

Medium-Range Connectivity

Teams can communicate at a range of up to 3km. Users can travel up to 800m from another headset and maintain connection. *Range may be affected by local legislation, terrain, structures, physical obstacles and number of units connected to the network.

Out of Range Notification

Sonis® Comms notifies the user when connection to the group network is lost and reconnects automatically once back in range.

Emergency Alerts

Emergency alerts enable users to contact teammates for assistance hands-free from Sonis® Comms headsets.

Multi-Channel Comms

Groups can use separate channels, enabling multiple teams to work and communicate independently in the same location.

Self Hearing

Audio feedback allows the user to hear their own speech over background noise, for confidence in voice communications.

Level-Dependent

Level-dependent attenuation amplifies safe sounds, such as speech and warning signals, and attenuates high noise to produce a sound output level of 82 dB at the ear.

Two-Way Radio

Radio connectivity and built-in PTT button allow seamless integration with PMR systems. Two-way radio sharing transmits radio communications to an intercom group.
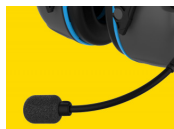
Voice Recognition

The boom microphone detects and isolates speech for clear, hands-free communication. To mute, simply move the mic to the upright position.

Compatibility

Sonis® Comms Mounted are tested and certified for use with EVO® helmets, and fully compatible with EVOGuard® visor systems for complete above-the-neck protection.

Boom Microphone

Boom microphone is lightweight with voice-recognition software. To mute, simply move the mic to the upright position.

Ergonomic Design

Headsets are reversible with large ergonomic buttons. Wear in either orientation for easy left- or right-handed operation, overcoming problems with limited dexterity.

Quick Setup & Maintenance

When switched on, Sonis® Comms automatically establishes an autonomous network connection. The JSP Configuration Tool makes it simple to set up a whole site in moments. Devices are easy to charge and keep clean, with a range of spares available to maintain the modular system.

Device Settings

Control microphone sensitivity and audio playback settings for Sonis® Comms headsets with the JSP Configuration Tool desktop app.

Cellular Extension

With the cellular extension feature, two remote groups can connect to a shared network, creating an intercom system for up to 30 users.

Passive Protection

Sonis® Comms headsets provide passive attenuation to an SNR level of 34 dB (Headband) / 30 dB (Mounted) for protection against harmful noise.

Low Power Consumption

Sonis® Comms operates with low power consumption for long battery life, offering over 9 hours continuous use with all features enabled.

'Hey Sonis'

Voice activation engine allows the user to control the headset by saying 'Hey Sonis' followed by an instruction for easy hands-free operation.

Adjustable Fit

The earcups can be pivoted and adjusted to obtain the perfect fit. Stainless steel arms provide even distribution of pressure for a secure fit and high levels of protection.

Comfort

The force exerted by the headband and pivot arms works together with the cushion surface area, providing the optimum pressure for comfort throughout extended use.

Hygiene

Earcups, cushions, headband and adaptors are easy to wipe clean. Hygiene kits enable users to replace cushions and foam inserts using a simple click to fit system.

Language Options

Select language for system menus and 'Hey Sonis' voice activation engine features from a wide range of built-in options.

Group Manager

Use the desktop app to manage groups, creating intercom networks that connect automatically when devices are switched on.

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OXFORD, ENGLAND

Simple Charging

Sonis® Comms Lithium-Ion battery is easy to charge from PC or mains using the USB-C cable provided. Fast charging for full battery in 3h from flat.

Powerful

Sonis® Comms is a powerful communication tool, providing group intercom and active hearing protection for safe teamwork in high-noise environments. Embedded DMC® (Dynamic Mesh Communication) technology creates an autonomous private network for seamless team communication.

Bluetooth® Wireless Technology

Sonis® Comms with Bluetooth® wireless technology integrates calls and audio playback from a mobile device. Connect the headset to a smartphone for seamless mobile communication and entertainment audio features.

Entertainment Audio

Entertainment features for music streaming and other audio playback. Sound output is limited to a safe level within the headset to prevent hearing damage.

Effortless Maintenance

Sonis® Comms headsets are effortless to maintain with modular design and a wide range of user-replaceable spares.

Intuitive

The headsets are user-friendly and intuitive to operate via ergonomic buttons on the earcups, hands-free technology, the desktop configuration tool, and JSP Comms mobile app. Sonis® Comms combines comfort and design features established in the development of the Sonis® range with cutting-edge wireless technology to deliver the ultimate protection and unlimited connectivity.

JSP Comms App

The JSP Comms free mobile application provides a smartphone interface for setting up and operating Sonis® Comms headsets. Use the app to set up a network, make calls, and manage connectivity and audio options.

Emergency Calling

Speed-dial emergency calling ensures help is always on hand. Enter the relevant emergency number in settings for direct dialling from Bluetooth® enabled Sonis® Comms headsets.

RANGE

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