



SMART EAR PLUGS

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SmartPlug is a digital hearing protection ear-plug solution for use in some of the worlds largest industries, where high noise and extreme environments are part of the everyday challenges to communications and hearing protection.

SmartPlug also comes equipped with Sensear's industry-leading SENS™ technology that enhances speech and suppresses noise so users can communicate safely and effectively while maintaining 360-degree situational awareness.



"Hearing protection is a sound investment."



TECHNICAL FEATURES

- SENS™ Technology
- Disposable foam or silicone ear tip options for user comfort
- 82 dB(A) limited in-ear and in-Ear voice pick up
- Rechargeable battery with 15 hours battery life lowering the total cost of ownership compared to AA batteries
- Compatible for Bluetooth® and Short Range (SR) team communication
- Rugged design with belt clip for ease of wear essential for high noise industrial environments where equipment is subjected to rough handling
- Dual inline PTT allowing for easy triggering of communication functions
- USB for programming allows simple configuration of the headset by a dealer
- Ideal for use with respirators & breathing protection devices



Face to Face



Short Range



Bluetooth Cellphone

SENSEAR'S UNIQUE TECHNOLOGY



Speech Enhancement



Noise Suppression



SENS™ TECHNOLOGY

Sensear's industry-changing SENS™ technology simultaneously combines speech enhancement with noise suppression to deliver a total high noise communications and protection solution by recognizing the different properties of speech and background noise. SENS™ enables users to remain aware of their surroundings, communicate in noisy environments and protect their hearing from harmful noise.

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TECHNICAL SPECIFICATIONS

GENERAL

IP Rating	IP54
Operating Temp.	-20°C, +60°C (-4°F, 140°F)
Weight	250 g (9 oz)
Feature Programming	Mini USB Connection to Sensear App
Default Feature Profile	<ul style="list-style-type: none"> • SENS™ Awareness • In-Ear Voice Pick-Up • Two-Way Radio
Additional Feature Profiles Available	<ul style="list-style-type: none"> • Bluetooth® • SR Communication

HEARING PROTECTION

In-Ear Audio Limit	82 dB(A) (programmable)
Max Noise Level (EN352-7)	118 dBA assuming 85 dB(A) criterion

Region	Standard	Results*
Australia/NZ	AS/NZS 1270:2002	SLC80 28 dB Class 5
USA/Canada	ANSI S3.19-1974	NRR 31 dB
USA/Canada	ANSI S12.6-2008, Method	B NRR (SF) 25.6 dB
Europe	EN352-2	SNR 38 dB

COMMUNICATION

Voice Transmission	In-Ear Microphone
Wired Connectivity	6 Pin Hirose Connector
Bluetooth®	Bluetooth® 3.0, A2DP, HFP, HSP
Bluetooth® Range	15 m (16 yd)
Weight	250 g (9 oz)
SENS™ Voice Pick-Up Limit	90 dBA
In-Ear Voice Pick-Up Limit	110 dBA

POWER

Battery Type	Rechargeable Lithium-Ion Polymer
Battery Capacity	2650 mAh
Operating Time	15 Hours
Charging Temperature	-20°C, +40°C (-4°F, +104°F)

SR AND RADIO

Transmitting Band	FM Frequency
Transmitting Frequency	88.1-107.9 MHz
Frequency Interval	0.1 MHz
Effective Range	20 m (21 yd)



*Noise ratings are certified results when using the supplied disposable foam ear tip. Results will vary if alternative tips are used.