



## **smartPlug** **Speech Enhancing, Noise Suppressing (SENS™) In-Ear-Headset for Industrial Environments**

The smartPlug is a digital hearing protection in-ear-headset 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.

The smartPlug features an in-ear microphone allowing users to clearly pick up speech and transmit through existing communication systems by cable or Bluetooth connections.

The 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.

### **FEATURES AND BENEFITS:**

- *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 and breathing protection devices*



## smartPlug

### Processing Unit

- Bluetooth®
- Short Range (SR) team communication



### Ear Plugs

- Disposable foam or reusable silicone ear tip options
- Comfortable design
- 82 dB(A) limited in-ear
- SENS™ awareness
- In-Ear voice pick-up

### Inline PTT

- Fast communication access

- Two-Way Radio
- Software Programmable
- Rechargeable Battery

## SPECIFICATIONS

### GENERAL

Sensear Part Number	SMPLUG03
IP Rating	IP54
Operating Temperature	-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"> <li>• SENS™ Awareness</li> <li>• In-Ear Voice Pick-Up</li> <li>• Two-Way Radio</li> </ul>
Additional Feature Profiles Available	<ul style="list-style-type: none"> <li>• Bluetooth®</li> <li>• SR Communication</li> </ul>

### 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

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

### 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
SR Effective Range	20 m (21 yd)