



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° situational awareness.

FEATURES AND BENEFITS:

- Disposable foam ear tips for user comfort
- 82 dB(A) limited in-ear and in-ear voice pick up
- Rechargeable battery with 24 hours of battery life lowering the total cost of ownership compared to AA batteries
- PRO model compatible for Bluetooth® and Short-Range (SR) team communication from one headset to another
- 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



Earplugs

- Disposable foam ear tip options
- Comfortable design
- 82 dB(A) limited in-ear
- SENS® situational awareness
- In-Ear voice pick up

Inline PTT

- Fast communication access

Two-Way Radio

Software Programmable

Rechargeable Battery

SENS
TECHNOLOGY by Sensear

SPECIFICATIONS

GENERAL

Sensear Part Number	SMPLUG030001
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"> • 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 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, HFP(8KHz and 16KHz), HSP, A2DP
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
Charge time	5 Hours
Operating Time	24 Hours
Charging Temperature	-20°C, +40°C (-4°F, +104°F)
Recharge Capacity vs Cycles	80% After 300 Cycles 60% After 500 Cycles

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)