

smartPlug™: Noise Suppressing Earplugs for Industrial Environments

The smartPlug™ is a digital hearing protection in-ear-headset solution for use in some of the world's largest industries, where high-noise and extreme environments are part of the everyday challenges to communications and hearing protection. 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. The smartPlug™ features an in-ear microphone allowing users to clearly pick up speech and transmit through existing communication systems by two-way radio, Bluetooth®, or short-range connections.



See more details at
sensear.com/products/earplugs/smartplug

PTT BUTTON

Allows instantaneous communication switching your device from voice receive mode to voice transmission mode with a push and hold of the button.

POWER BUTTON

VOLUME UP BUTTON

VOLUME DOWN BUTTON

MULTI-FUNCTION BUTTON

IN-EAR MIC.

EARPLUGS 31dB NRR

KEY FEATURES

SENS® Technology	Enhances speech while suppressing background noise to a safe level
360° Situational Awareness	Remain aware of surrounding noises and hazards
Hearing Protection	Up to 31dB NRR / 38dB SNR / 28dB, Class 5 SLC80
Volume Limiter	Limit 'in-ear' exposure to 82 dB(A)
Radio Communication	Two-Way Radio via Bluetooth® or PTT Cable
Bluetooth® Communication	Bluetooth® 3.0, 49 feet
Short-Range Communication	Up to 8 Programmable FM Channels, up to 150 ft
FM Radio	Listen to commercial FM Radio stations
Voice Transmission	In-ear microphone earplugs
Power	Upgraded 24-hour battery life for use in multiple shifts
IP Ratings	IP67



Sensear 
||| SAFETY THAT SPEAKS VOLUMES

SENS
TECHNOLOGY by Sensear





Sensear in Action

Benefits

RUGGED DESIGN
with belt clip for ease of wear essential for high noise industrial environments where equipment is subjected to rough handling.

Ideal for use with respirators and breathing protection devices.

smartPlug

TWO-WAY RADIO PROGRAMMING CHARGING PORT

smartPlug

DUAL INLINE PTT
Allowing for easy triggering of communication functions.

EARPLUGS
Disposable foam ear tips for user comfort

Technical Specifications

GENERAL	PART NUMBER	WEIGHT	IP RATING	OPERATING TEMPERATURE		
	SMPLUG030001	250 g (9 oz.)	IP67	-20°C to +60°C (-4°F to 140°F)		
HEARING PROTECTION	IN-EAR AUDIO LIMIT	MAX NOISE LEVEL (EN352-7)	REGION	STANDARD	RESULTS*	
*Noise ratings are certified results when using the supplied disposable foam ear tip. Results will vary if alternative tips are used.	82 dB(A) [programmable] Only applicable when smartPlug™ is powered on	118 dB(A) assuming 85 dB(A) criterion	Australia / NZ	AS/NZS 1270	SLC80	28dB, Class 5
			USA / Canada	ANSI S3.19	NRR	31dB
			USA / Canada	ANSI S12.6	NRR (SF)	25dB
			Europe	EN352-2	SNR	38dB
POWER	BATTERY TYPE	BATTERY CAPACITY	OPERATING TIME	CHARGE TIME	CHARGING TEMPERATURE	
	Rechargeable Li-ion Polymer	2650 mAh	24 hours (wired) / 18 hours (Bluetooth® / SR)	5 hours	0°C to +40°C (32°F to 104°F)	
COMMUNICATION	FACE-TO-FACE SENS® MODE	VOICE TRANSMISSION	TWO-WAY RADIO	BLUETOOTH®		
	SENS® voice pickup limit of 90 dB(A). In-ear voice pickup limit of 110 dB(A).	In-ear microphone	6-pin Hirose connector. Two-way radio audio through smartPlug™ without battery.	Bluetooth® 3.0: HFP (8 KHz and 16 KHz), HSP, A2DP. Up to 15 meters (49 ft).		
SHORT-RANGE COMMUNICATION		TRANSMITTING BAND	TRANSMITTING FREQUENCY	FREQUENCY INTERVAL	SR EFFECTIVE RANGE	
Half-duplex communications. Up to 8 programmable FM channels. Up to 50 meters (164 ft).		FM Frequency	88.1-107.9 MHz	0.1 MHz	20 m (21 yd)	