



## 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.

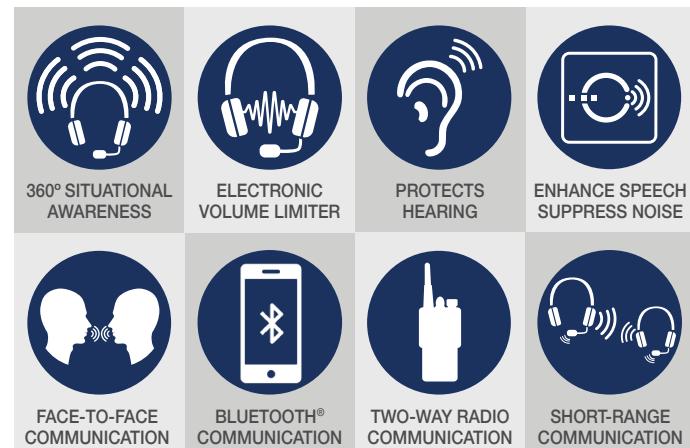


See more details at  
[sensear.com/products/earplugs/smartplug](http://sensear.com/products/earplugs/smartplug)



### 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 in Action

## Benefits



## 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)		

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