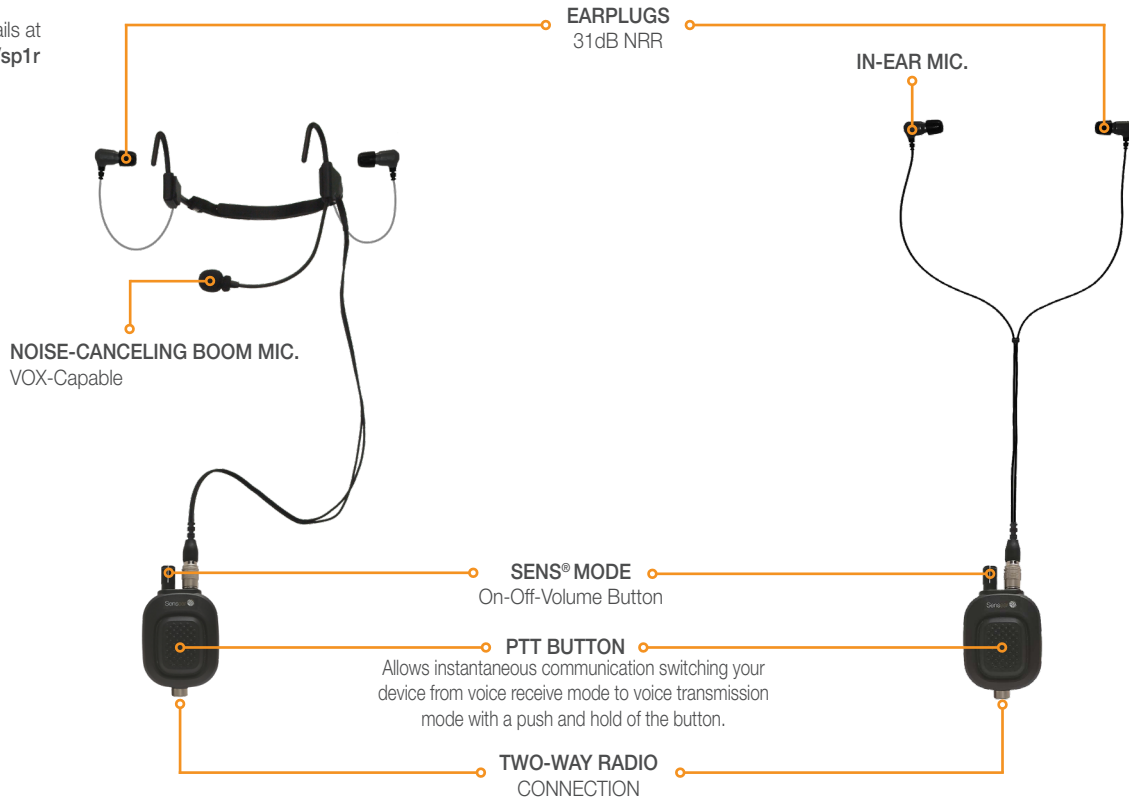




## SP1R-IS: An In-Ear Solution Powered by Radio for Hazardous Environments

The SP1R-IS is a revolution in lightweight hearing protection. Built specifically to enhance two-way radio communications in high-noise explosive environments, it is powered by your two-way radio, thus eliminating the need for charging. The SP1R-IS delivers Sensear's exceptional SENS® Technology into the most compact hearing solution in the industry. In addition to the lightweight, rugged boom microphone headset, the SP1R offers an in-ear microphone specifically for users of respirators or other equipment that restricts boom-mic usage.

See more details at [sensear.com/sp1r](http://sensear.com/sp1r)



### 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)
Communication	Two-Way Radio with PTT Cable
Voice Transmission	Bone Conduction Mic or Noise Cancelling Boom Mic
Power	No battery, unit is powered by the radio
Earpiece Options	Earplugs with in-ear mic or Earplugs with boom mic
IP Rating	IP67
Intrinsic Safety	TIA-4950-A, CSA C22.2 No. 157.92, & UL 913 5th Ed

 360° SITUATIONAL AWARENESS	 ELECTRONIC VOLUME LIMITER	 PROTECTS HEARING	 ENHANCE SPEECH SUPPRESS NOISE
 FACE-TO-FACE COMMUNICATION	 TWO-WAY RADIO COMMUNICATION	 INTRINSIC SAFETY	

Sensear SAFETY THAT SPEAKS VOLUMES

SENS TECHNOLOGY by Sensear





# Sensear in Action



## Earplug Styles



## Technical Specifications

GENERAL	MOUNTING TYPE	PART NUMBER	WEIGHT	IP RATING	OPERATING TEMPERATURE
	Boom Mic with Plugs	SP1RMIS02	107.2 g (3.78 oz.)	IP67	-20°C to +60°C (-4°F to 140°F)
	In-Ear Plugs	SP1REIS02	107.2 g (3.78 oz.)	IP67	-20°C to +60°C (-4°F to 140°F)

HEARING PROTECTION	REGION	STANDARD	RESULT	FOAM TIP
Volume Limiter - 82 dB(A) [programmable] Only applicable when headset is powered on	Australia / NZ	AS/NZS 1270	SLC80	28dB, Class 5
	USA / Canada	ANSI S3.19	NRR	31dB
	Europe	EN352-1/EN352-3	SNR	38dB

POWER	POWER SOURCE	SENS® MODE CONSUMPTION	QUIET MODE CONSUMPTION
	Two-way radio (via accessory port)	28 mA	20 mA

COMMUNICATION	FACE-TO-FACE SENS® MODE	VOICE TRANSMISSION	TWO-WAY RADIO
	SENS® voice pickup limit of 95 dB(A)	In-ear mic (inside right earpiece) or boom mic with earplug option. VOX capable with boom mic earplug when connected to VOX enabled two-way radio. (Must be verified and tested for compatibility with the two-way radio.)	Wired radio cable with PTT module, audio reverts back to radio when radio cable disconnected from Hirose connector.

**IS Certification:** TIA-4950-A, CSA C22.2 No. 157.92, & UL 913 5th Edition with a hazardous location rating of Class I, II, III, Division 1 & 2, Groups A - G, T5 -25°C to +60°C, T3C -25°C to +60°C

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