

SP1R SERIES

Perfect Complement to Two-Way Radios in High-Noise Environments

The SP1R is a completely redesigned in-ear hearing protection and communication solution in a small and compact yet rugged package, built specifically to enhance two-way radio communications in high-noise environments and is powered by your two-way radio, thus eliminating the need for a battery inside the unit. Similar to the rest of Sensear's portfolio, the SP1R pairs Sensear's patented **SENS**® technology and noise-suppression microphones to allow users in high-noise environments to communicate either via face-to-face or via two-way radios, while maintaining 360° audible awareness of your surroundings and protecting your hearing.

The SP1R has the option of in-ear earplugs with an in-ear microphone (no boom mic) or a lightweight heavy-duty headset with in-ear plugs and an external noise cancelling boom microphone. The SP1R has an intrinsically safe option with TIA, CSA, and UL certifications.



Speech Enhancement
Noise Suppression



Electronic
Volume Limiter



Protects
Hearing



Two-Way
Radios



Face-to-Face
Communication



360° Situational
Awareness



Intrinsic
Safety

FEATURES AND BENEFITS

- Small compact design built into larger ergonomic Push-to-Talk button
- Detachable ear piece assembly with two options (earplugs with in-ear mic or lightweight headset with earplugs and a noise-canceling boom mic)
- **SENS**® Technology (face-to-face communication and 360° situational awareness)
- Disposable foam or silicone ear tip options for user comfort
- 82 dB(A) in-ear volume limiter
- Clear two-way radio communication in high-noise environments
- Connects to many industry leading two-way radios via wired connection
- No battery, unit is powered by the two-way radio
- The in-ear mic option is ideal for use with respirators and breathing protection devices
- Up to 31dB NRR / 38dB SNR / 28dB, Class 5 SLC80
- Intrinsically Safe (IS) with TIA, CSA, and UL certifications



See what sets the SP1R apart!



Sensear 
||| SAFETY THAT SPEAKS VOLUMES

Headset with boom mic or Earplugs with in-ear mic



SP1RM02 / SP1RMIS02 SP1RE02 / SP1REIS02

Technical Specifications

General

Mounting Type	In-ear plugs or light weight heavy-duty headset with earplugs and boom mic
Model Options	SP1RE02 / SP1REIS02 (SP1R / SP1R-IS + in-ear mic plugs) SP1RM02 / SP1RMIS02 (SP1R / SP1R-IS + boom mic headset)
Weight	107.2g
IP Rating	IP67
Operating Temperature	-25°C to +60°C (-13°F to 140°F)

Hearing Protection

Volume Limiter	82 dB(A) [programmable via Sensear tablet]
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Region	Australia / NZ	USA / Canada	Europe
Standard	AS/NZS 1270:2002	ANSI S3.19 - 1974	EN352-2
Result	SLC80	NRR	SNR
Foam Tip	28dB, Class 5	31dB	38dB

Power

Power Source	Two-way radio (via accessory port)
SENS® Mode power consumption	28 mA
Quiet Mode power consumption	20 mA

Communication

Face-to-face SENS® Mode	SENS® voice pickup limit of 95 dB(A)
Two-Way Radio	Wired radio cable with PTT module, audio reverts back to radio when radio cable disconnected from Hirose connector
Voice transmission	In-ear microphone (inside right earpiece) or boom microphone with headset option VOX capable with boom mic headset when connected to VOX enabled two-way radio* *Must be verified and tested for compatibility with the two-way radio

Intrinsic Safety for Hazardous Locations

SP1R-IS series:

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, T4, -25°C to +60°C

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Noise is Everywhere



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