



Sensear SMIR & SMIR(IS)

Perfect Complement to Radios in High-Noise Environments

An industrial headset built specifically to enhance two-way radio communication in high-noise environments. The headset is unique from the rest of Sensear's portfolio in that it contains no battery and instead is powered by the radio, making the unit lighter and more comfortable for the user. Similar to the rest of Sensear's portfolio, the headset pairs Sensear's patented SENS® technology and a noise-cancelling boom mic to allow users in high-noise environments to communicate either via face-to-face or two-way radios while maintaining 360° audible awareness of their surroundings and protecting their hearing.

Here are just some of the many features and benefits that Sensear's two way radio headset products have to offer:

FEATURES AND BENEFITS:

- Clear two way radio communication high-noise environments
- Limit 'in-ear' noise exposure to 82 dB(A)
- Connects to all industry leading 2-way radios via wired connection
- Does not require battery, unit is powered by the radio, making the unit lighter & more comfortable
- Available in headband, behind-the-neck, and helmet style
- SENS® Technology
- VOX capable
- Enhances speech & suppresses background noise to a safe level
- Remain aware of surrounding noises and hazards
- Intrinsically safe SMIR(IS) certified to some of the most stringent intrinsic safety standards: 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.

SM1R - SPEC DATA

General

Mounting type	Headband (HB)	Behind the neck (BTN)	Helmet mount (HM)
Part Number	SM1RB001	SM1RE001	SM1RH001
Weight	430 g (15.17 oz.)	400 g (14.11 oz.)	430 g (15.17 oz.)
IP Rating	IP54		
Operating Temperature	-20° C, +60° C (-4° F, 140° F)		

Communication

Face-to-Face	Sens' mode (< 95 dB)
Two-Way Radio	Radio cable with Push-To-Talk module

Power

Power Source	Two-way radio battery
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Hearing protection

In-Ear Audio Limit	82 dB(A) (programmable)
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Region	Standard	Results	HB	BTN	HM
Australia / NZ	AS/NZS 1270	SLC80	31 dB, Class 5	27 dB, Class 5	26 dB, Class 5
USA / Canada	ANSI S3.19	NRR	27 dB	24 dB	23 dB
USA / Canada	ANSI S12.6	NRR(SF)	27 dB	24.3 dB	19.1 dB
Europe	EN352-1 or EN352-3	SNR	33 dB	30 dB	31 dB



Headband (HB)



Behind The Neck (BTN)



Helmet Mount (HM)



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