

Sensear Smart Short Range Muff

A Total High Noise Communication Solution



Speaker output
Limited to
82dB(A) in
the ear*

*When tested according to EN 352-4 below H, M and L criterion levels.



SM1xSR Helmet mount



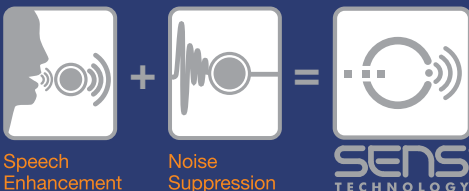
SM1xSR Around the neck

 **SM1xSR**
ADVANCED **sens** TECHNOLOGY

Face-to-face,
Two-way,
Bluetooth,
Short Range

Sensear 
Hear Speech Stay Protected

Hear Speech, Stay Protected with the Short Range Muff



The SM1xSR is one of the smartest ear muffs in the world. It incorporates a comprehensive range of features into one hearing protection and communications device. Features include the ability to communicate ear muff to muff within 50 yards/metres and a built in FM radio as well as all the benefits built into the SENS™ technology.

Now you can hear speech and stay protected within short range distances (up to approximately 50 yards/metres) with the new Sensear Short Range Ear Muff utilizing the patent pending SENS™ (speech enhancement, noise suppression) technology that isolates and enhances speech whilst suppressing dangerous background noise.

No need to connect to other communication devices, the new SM1xSR enables ear muff to ear muff communication in high noise environments. Perfect for workers who work in groups where it is critical to communicate within short distances.

Featuring a rugged design for heavy duty and general use, the SM1xSR earmuff is a simple to use, extremely comfortable communication device that not only allows ear muff to ear muff communication beyond 85dB(A) but also face to face, two-way or mobile phone all without the need to remove hearing protection.

Incorporating Sensear's groundbreaking SENS™ technology, the SM1xSR include impact, tonal and constant noise suppression with binaural capabilities. The latter ensures that background noise is lowered to a safe level while retaining the natural qualities of the sound. The wearer retains awareness of their surroundings while being able to clearly hear the direction of all sound, including speech and alarms.

Combining Bluetooth technology with advanced SENS™ technology and a noise cancelling boom mic, the SM1xSR earmuffs offers one of the most advanced hearing protection and communication devices available on the market today.



Two-way radio connection

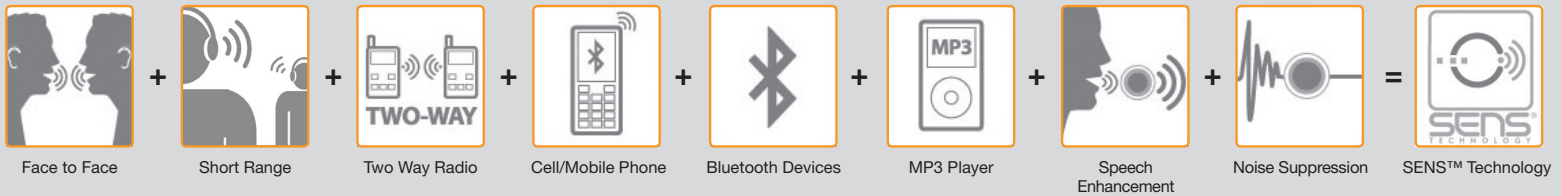


Sensear Short Range Smart Muff.

Smart Product Features



Smart Communication Features



Attenuation Data

SM1 Hearing protector CLASS 5 tested to AS/NZS 1270:2002. When Selected, used and maintained as specified in AS/NZS 1269, this protector may be used in noise up to 110dB(A) assuming an 85dB(A) criterion. A lower criterion may require a higher protector class.

Attenuation Data		SM Headband Model							SLC ₉₀
F(Hz)	125	250	500	1000	2000	4000	8000		
Mean Attenuation (dB)	18.3	21.2	26.1	28.3	32.0	37.3	40.0	28dB	
Standard Deviation (dB)	3.7	3.4	2.9	2.1	4.1	3.1	4.0		
Mean minus Standard Deviation (dB)	14.6	17.8	23.2	26.2	27.9	34.2	36.0		

Tested according to ANSI S3.19-1974

Attenuation Data		SM Headband Model								NRR
F(Hz)	125	250	500	1000	2000	3150	4000	6300	8000	
Mean Attenuation (dB)	21.1	25.5	29.9	32.9	34.7	41.2	39.7	41.1	41.8	25dB
Standard Deviation (dB)	4.1	3.0	3.2	2.8	3.8	3.1	3.4	3.4	2.4	
Real-Ear Protection (dB)	12.9	19.5	23.5	27.3	27.1	35.0	32.9	34.3	37.0	

- FM reception 88.0 to 108.0 MHz • FM SR Communication 88.1 to 97.0 MHz • Maximum RF transmitter signal strength 250 micro volts/meter at 3 meters (47CFR Part 15.239).
- Complies with FCC, ANSI, CE, Industry Canada, Australian and New Zealand regulatory standards.

European PPE Certification (Standard Headband)

Frequency (Hz)	63	125	250	500	1000	2000	3150	4000	6300	8000	SNR
Mean Attenuation (dB)	19.1	20.0	23.1	26.9	27.6	30.6	37.8	38.7	39.5	39.8	29dB
St. dev. (dB)	4.3	3.3	2.6	2.7	2.2	3.8	2.7	3.2	3.4	2.9	
APV (84%)	14.8	16.7	20.5	24.2	25.4	26.8	35.1	35.5	36.1	36.9	

SM1 Helmet Hearing protector CLASS 5 tested to AS/NZS 1270:2002. When Selected, used and maintained as specified in AS/NZS 1269, this protector may be used in noise up to 110dB(A) assuming an 85dB(A) criterion. A lower criterion may require a higher protector class.

Attenuation Values		SM1, SM1X and SM1xSR Headband Model													
F(Hz)	63	125	250	500	1000	2000	3150	4000	6300	8000	M	H	L	SNR	
MI(dB)	19.1	20.0	23.1	26.9	27.6	30.6	37.8	38.7	39.5	39.8	29	29	26	22	29
SI(dB)	4.3	3.3	2.6	2.7	2.2	3.8	2.7	3.2	3.4	2.9					
MI-sI(dB)	14.8	16.7	20.5	24.2	25.4	26.8	35.1	35.5	36.1	36.9					

Attenuation Data		SM1, SM1X and SM1xSR Helmet Headband												
F(Hz)	63	125	250	500	1000	2000	3150	4000	6300	8000	M	H	L	SNR
MI(dB)	17.1	18.9	23.1	26.4	27.9	31.2	36.5	38.4	38.9	39.2	30	26	21	29
SI(dB)	4.2	3.8	2.8	2.4	1.9	3.0	2.5	3.6	4.1	2.8				
MI-sI(dB)	13.1	15.1	19.3	24.0	26.0	28.2	34.0	34.8	34.8	36.4				

European PPE Certification (Helmet Mount)

Frequency (Hz)	63	125	250	500	1000	2000	3150	4000	6300	8000	SNR
Mean Attenuation (dB)	17.3	18.9	23.1	26.4	27.9	31.2	36.5	38.4	38.9	39.2	29dB
St. dev. (dB)	4.2	3.8	3.8	2.4	1.9	3.0	2.5	3.6	4.1	2.8	
APV (84%)	13.1	15.1	19.3	24.0	26.0	28.2	34.0	34.8	34.8	36.4	

Replacement Parts & Accessories

Radio Connection Kits

- SRCK0006 Radio Connection Kit SM1 Motorola GP328Plus/GP344/GP388/GL2000, EX500, EX600
- SRCK0007 Radio Connection Kit SM1 Motorola suit GP320/328/340/360/HT750/HT1250,HT1550,PR05150,WARIS
- SRCK0008 Radio Connection Kit SM1 Motorola suit GP900/HT1000/MTS2000/XTS2250/XTS3000/MX838/1000
- SRCK0009 Radio Connection Kit SM1 Motorola suit GP88/300/2000/CP100, CP200/150/EP450/P040/PRC3150/HYT TC-610
- SRCK0010 Radio Connection Kit SM1 ICOM suit IC-3083/3083C/IC-F30/3163/61
- SRCK0011 Radio Connection Kit SM1 Kenwood suit TK-190/280/290/380/385/480/3140/3148/3180
- SRCK0012 Radio Connection Kit SM1 ICOM 2 Pin suit IC-F3/F3S/F4 Vertex VX200/VX300
- SRCK0013 Radio Connection Kit SM1 Kenwood 2 Pin suit TK3202/TH-D7/TH-F6/TH-F7
- SRCK0014 Radio Connection Kit SM1 Motorola MOTOROLA suit XPR9500/RS500/DP3400/DP3600
- SRCK0015 Radio Connection Kit SM1 Motorola GM300 Dashboard suit GM300/GM300/CDM1250/CDM1550
- SRCK0017 Radio Connection Kit SM1 Vertex Multipin suit VX-821/820/824/829/920/921

Accessories

- SMBM0001 Sensear Boom Microphone Kit
- SCAJ0002 SM1 Cable Spiral Audio (for Radio Connection) 3.5-3.5mm Threaded
- SCAJ0004 SM1 MP3 Cable Spiral 3.5mm Unthreaded - 3.5mm Threaded
- SMWS0001 Microphone Wind Noise Reduction Kit (set of 4)
- SMH0000 Sensear SM1 Hygiene Kit
- SMAP0000 SM1 Series Absorbent Pads - 5pr
- SMHA0000 Helmet Adaptor
- SMHA0001 Helmet Adaptor MSA V-Guard
- SMHA0001 Helmet Adaptor Protector Allstate
- SMHA0002 Helmet Adaptor Protector Tuffmaster I/III - Unsafe Unlute

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