



Sensear 
||| SAFETY THAT SPEAKS VOLUMES

PRODUCT OVERVIEW

WHAT'S HEARING PROTECTION WORTH?



The numbers speak volumes...

30 million

U.S. workers are exposed to noise levels high enough to cause irreversible hearing loss.

National Institute for Occupational Safety and Health (NIOSH)

More than 20,000

workplace hearing loss cases occur annually, many resulting in permanent hearing loss.

U.S. Bureau of Labor Statistics

\$242 million

estimate in workers' compensation annually. Occupational hearing loss is one of the most common U.S. work-related illnesses

Centers for Disease Control and Prevention (CDC)

What is hearing protection worth to your **business**?
To your **employees**?

WHO IS SENSEAR?



Communication solutions for high noise environments

A global leader in designing & manufacturing best-in-class over-the-ear and in-ear speech enhancement/noise suppression devices.

For use with two-way radio and Bluetooth communication.

Founded in 2006 through a partnership with the University of Western Australia and Curtin University, Sensear's patented [SENS™](#) technology simultaneously enhances speech and suppresses background noise. Users can verbally communicate, protect their hearing, and still maintain 360° awareness of their surroundings. Ideal for noisy environments like oil, gas, petrochemical, mining, data centers, construction, heavy manufacturing, and other industrial workplaces.

An aerial view of a large construction crane at a quarry or construction site during sunset. The crane is a lattice boom crawler crane, positioned on a dirt path. The sun is low on the horizon, creating a warm orange glow and silhouetting the crane's structure. In the background, there are hills and other construction equipment. The text is overlaid in white, bold, sans-serif font.

**SENSEAR: THE WORLD'S ONLY HEADSET
MANUFACTURER WITH SENS TECHNOLOGY
FOR SPEECH ENHANCEMENT AND NOISE
SUPPRESSION.**

A TRUE GAME-CHANGER FOR ANY HIGH-NOISE ENVIRONMENT.

SENS Technology

Speech **E**nhancement + Noise **S**uppression



Thanks to 360° situational awareness, all your senses work better together. You can hear. You can see. You can understand. You can respond. It is the ultimate combination of communication, technology, and safety.

SENS technology offers: 360° Situational Awareness | Safe Communication | Hearing Protection

The background of the image shows several oil pumpjacks (jackhammers) in silhouette against a dramatic sunset sky. The sky is filled with orange and yellow light, with dark clouds scattered across it. The pumpjacks are arranged in a line, receding into the distance. The overall mood is industrial and powerful.

**SENS PROTECTS WORKERS AND BUSINESSES.
IT SUPPORTS WORKPLACE SAFETY IN EVEN THE
LOUDEST CONDITIONS AND IT SPEAKS VOLUMES.**

SAFETY THAT SPEAKS VOLUMES

METHODS OF COMMUNICATIONS



Connects with 2-way radios either via Bluetooth or a cable (cables are specific to make and model of radio).



Connects to either cell phone or tablet using Bluetooth.



Utilize “headset to headset” communication using short range FM frequency.

Distance between 50’ to 150’

TODAY'S CONNECTED WORKER



No matter the device or platform Sensear has the connection to support you!

From Bluetooth, two-way radio, short range, and face-to face



HEARING PROTECTION CATEGORIES



SMART PLUG



SMART MUFF



REALWARE GLASSES



SMART MUFF STYLES



HEADBAND



BEHIND THE NECK



HELMET MOUNT



SMART MUFF STYLES



Dual Protection: SM1P DP – Extreme Noise Series

Double Protection

Certified Intrinsically Safe

360° Situational Awareness

Bluetooth®

Headset-to-Headset Communication

Sound Level Limit

Two-Way Radio Compatible

24-Hour Battery Life

Noise-Cancelling Boom Mic

3 Wearing Styles

USB Programming



Protects
Hearing



Face-to-Face
Communication



360° Situational
Awareness



Two-way
Radios



Intrinsically
Safe



Electronic
Volume Limiter



Bluetooth®



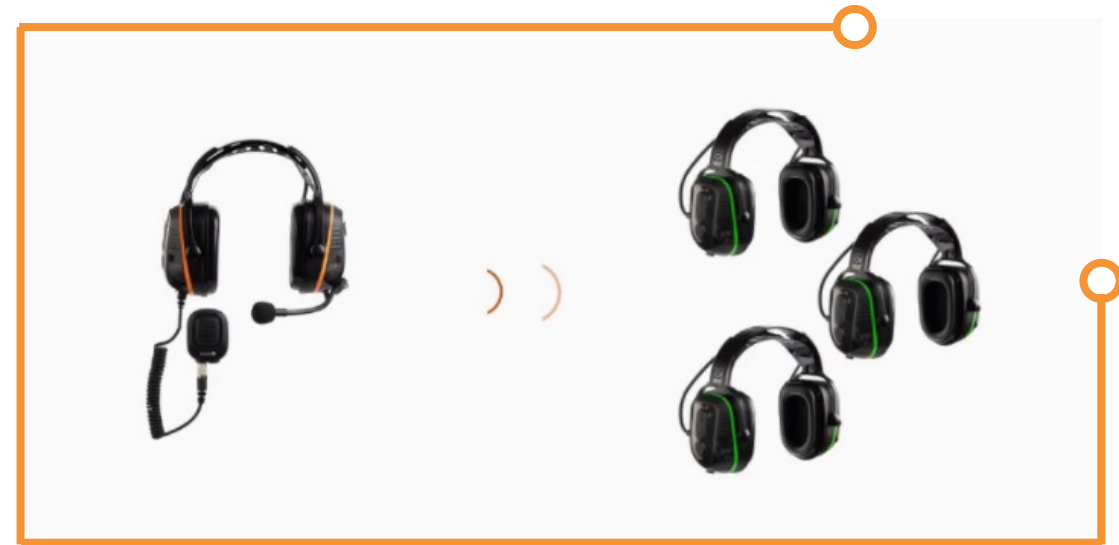
Short-Range
Communication



TOURING & TRAINING



Leaders and students both talk
Leaders talk — students only listen



MUFF VERSIONS



	SM1R	SM1B	SM1P	SM1P-ISDP/EXDP
Connection type	Radio (powers HS)	Radio	Radio/BT/SR	Radio/BT/SR
NRR rating (HMIBTNHB)	23/24/27	23/24/27	23/24/27	36
Power source	Requires radio for power	Rechargeable lithium	Rechargeable lithium	Rechargeable lithium
Intrinsic safety option	IS	NA	IS/Ex	IS/Ex
Volume limiter	82 dBa	82 dBa	82 dBa	82 dBa
VOX	Radio with VOX feature	Radio with VOX feature	Radio with VOX feature SR option	Radio with VOX feature SR option
Cable required	Yes	Yes	Optional	Optional

BT = Bluetooth; SR = Short Range; HM = Helmet Mount; HB = Headband; BTN = Behind the Neck; NRR = Noise Reduction Rating; VOX = Voice Activation

SMART PLUG VERSIONS



	SP1RE	SP1RM	SMART PLUG – FULL
Connection type	Radio (powers HS)	Radio (powers HS)	Radio/BT/SR
NRR rating (HMIHBIBTN)	31	31	31
Form factor	In-ear	Boom mic	In-ear
Power source	Requires radio for power	Requires radio for power	Rechargeable lithium
Intrinsic safety option	IS	IS	NA
Volume limiter	82 dBa	82 dBa	82 dBa
VOX	Radio with VOX feature	Radio with VOX feature	Radio with VOX feature SR option
Cable required	Yes	Yes	Optional

BT = Bluetooth; SR = Short Range; HM = Helmet Mount; HB = Headband; BTN = Behind the Neck; NRR = Noise Reduction Rating; VOX = Voice Activation

PROGRAMING TABLET



Tablet allows capability to easily program features into headsets

The hands-free “Push-To-Talk” (PTT) latching feature allows you to hold the channel open without holding the PTT button. You can preset configurations and push/(clone) these features to your headsets at a push of a button. Additionally, the tablet can be used to perform remote diagnostics and can update your firmware.

INDUSTRIES



MANUFACTURING



MINING

INDUSTRIES



DATA CENTERS



OIL AND GAS

INDUSTRIES



TRANSPORTATION



SHIPPING AND MORE

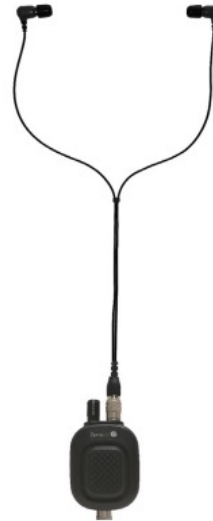
SMART PLUG STYLES



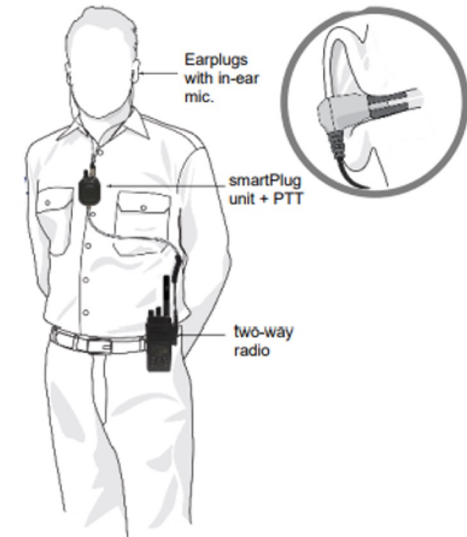
SP1R – BOOM MIC



**SP1R – IN EAR
(BONE CONDUCTION)**



**SP1P – BOOM MIC
OR IN EAR**



DEVICE HYGIENE



EARMUFF REPLACEMENT



MUFF ABSORBENT PADS



WINDSOCK REPLACEMENTS



FOAM TIP REPLACEMENT



SENSEAR HEADSETS: RUGGED & DURABLE



Sensear headsets are used through-out the world in some of the harshest, noisiest, and rugged environments

IP Rating: IP54

IS Approved for Hazardous Locations

Operating Temperature:
-20°C to +60°C (-4°F to 140°F)





Speech
Enhancement

Noise
Suppression

Thank you!



SENS
TECHNOLOGY by Sensear

Sensear 
||| SAFETY THAT SPEAKS VOLUMES