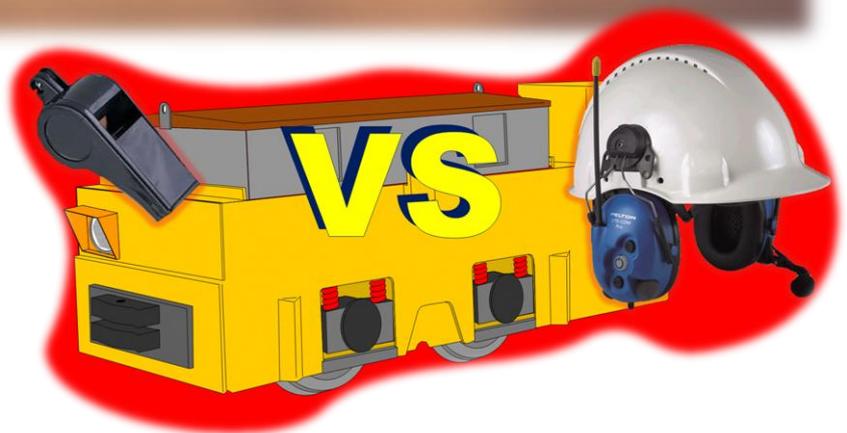


3M



PELTOR LITE-COM PRO INTRINSIC SAFE PROGRAMMABLE WIRELESS COMMUNICATION HEADSET

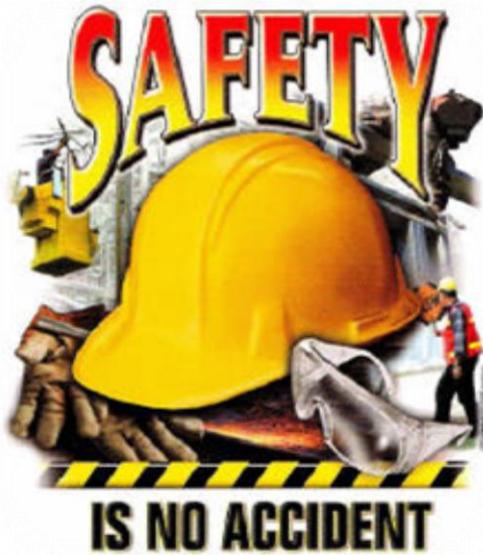
Pea Whistle
or
Direct, Verbal,
Understandable
Communication



Which one would you bet
YOUR LIFE on?

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The Lite-Com range from 3M Peltor are Ear Protecting, Radio Communication SAFETY products that will ensure proper, understandable communication between individuals working in Critical, Noise Hazardous areas

These systems provides effective and effortless short-range two-way communication.

With features such as VOX and programmable radio it allows usage in many areas in the Mining Industry.



Peltor Lite-Com Pro



The 3M Peltor Lite-Com Pro are Intrinsic Safe wireless two-way communication headsets specially designed to be used in Fiery Mines, Development Ends or any non-through ventilation mining areas

EX Class: EX II 1 G EEx ia IIC T4



Typical Uses In the Mining Industry

Loco Operators & Guards



Proper, Clear & Understandable Communication is of utmost importance between a loco operator and his guardsman in ALL aspects of their daily responsibilities whether it is Trammig, Shunting, Loading at an ore pass shute or Tipping at the tip.

The slightest misunderstanding or miss-communication can have disastrous consequences

Mechanized Mining Heavy Machine Operators & Assistants



The high noise attenuating cups protects your hearing while the built-in active-volume function that lets you hear ambient sound such as conversation, machine sounds and warning signals

Weak sounds can even be amplified, so you hear them better than you would without hearing protectors and sudden impulse noises at harmful levels are immediately attenuated



Lite-Com Pro

FEATURES

Efficient hearing protectors with electronics for almost unlimited communication

- Volume dependent stereo surround sound
- Sounds from the surrounding, such as conversation, sounds from machines and warning signals are reproduced in full stereo which gives a correct direction to the sound source.
- Weak sounds can even be amplified to higher level than without hearing protector.
- Impulse noises are effectively reduced to harmless level.
- Buttons easily reachable and logically placed.
- Electronic voice confirming all settings. No need for taking off the headset / hearing protector
- Four different settings can be stored in memories
- The sound level from the speakers is limited to 82 dB, for a full day's use of your headset without problems
- The headset is automatically turned off two hours after the last activity

Built-in communication radio

- Voice Operated Transmission (VOX) for “hands-free” operation
- Push-To-Talk (PTT) in very noisy environments
- Noise cancelation microphone with excellent noise suppression
- Up to 30 radio channels are programmable in the 430–470 MHz frequency range with Peltor Radio Software
- The selective squelch function with CTCSS tones or DCS digital codes, allows multiple users to work on the same channel without listening to each others communication.
- ± 40 Hours operating time, depending on the mode of use
- Peltor's special rechargeable accumulator, ACK05, must be used in explosive areas
- Up to 3km working range with maximum output power - depending on actual conditions

External electronic audio equipment

- Another communication radio, mobile telephone etc. can be connected to the external audio socket
- Separate “PPT AUX” for operating an externally connected communication radio or telephone
- The internal communication radio has top priority. Other sounds are automatically muted



Lite-Com Pro

FEATURES



Lite-Com Pro

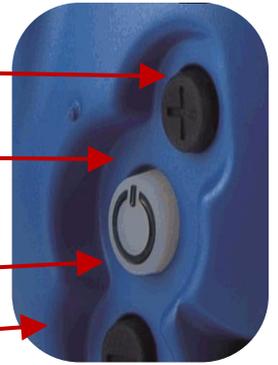
FEATURES

Easy to use voice guided menu system

Switch the Lite-Com Pro on and off by pressing and holding the ON/OFF/FUNCTION button for about 2 seconds.

Press ON/OFF/FUNCTION briefly to move through the menu. Press the button slowly, one step at a time, to confirm each step in a voice message.

- UP (+)**
Increases the level of the selected function
- ON/OFF & Function switch**
- DOWN (-)**
Decreases the level of the selected function
- PTT Press To Talk Button**



FUNCTIONS/ MODES

Surround => Volume => => Channel => VOX => Squelch => Power

Surround

Controls the volume of the surrounding sound from the microphones

- The level can be set from OFF to 7
- Normally step 5 should be the maximum, where the sound level is limited to 82 dB
- OFF is reached from level 1 if down button is held for more than 2 seconds

Volume

Controls the volume of the received audio from the radio

- The level can be set from OFF to 7
- OFF is reached from level 1 if down button is held for more than 2 seconds.
- In OFF the radio is completely turned off and no radio is received.

Channel

Controls on what channel the radio works

- The accessible channels and numbers are set through the PC software, used to program the radio
- There is possibility to use maximum 30 channels



Lite-Com Pro

FEATURES

VOX

Controls the sensitivity on the voice activated transmission

- The level can be set from OFF to 5.
- OFF is reached from level 1 if DOWN button is held for more than 2 seconds.
- The lower value the easier it is to open the VOX
- In OFF the transmission is only started by pressing the PTT button

Squelch

Controls the sensitivity on the noise squelch

- The level can be set from OFF to 5
- OFF is reached from level 1 if DOWN button is held for more than 2 seconds
- The lower value the easier it is to open the radio
- In OFF the receiver is always open
- In an environment with lots of radio disturbance a higher value should be set

Power

Controls the output power from the radio transmitter

- There are three output power levels:

Low	10mW
Medium	20mW
High	200mW

- N.B. Power consumption (battery life time) is highly depending on output power



3M



Lite-Com Pro

INTRINSIC SAFE RECHARGEABLE BATTERY PACK

For an Intrinsic Safe system the Peltor Lite-Com Pro must be used with the ACK05 Peltor Intrinsic Safe NiMH Rechargeable Battery Pack

ACK05 Battery Pack for the Lite-Com Pro

Rechargeable:	Yes
Ah Rating:	2500mAh
Recyclable:	Yes
Weight:	84 gr.
Approvals:	EX II 1 G EEx ia IIC T4



FR05 Battery Charger

Input Voltage:	100 – 240 VAC, 50/60 Hz
Input Current:	≤120 mA
Charging current:	750 mA ±100 mA
Rapid charge start at:	1.85 V
Safety time-out:	240 ±10 min
Storage temperature:	-40 – 60°C
Working temperature:	0 – 40°C (working normally)



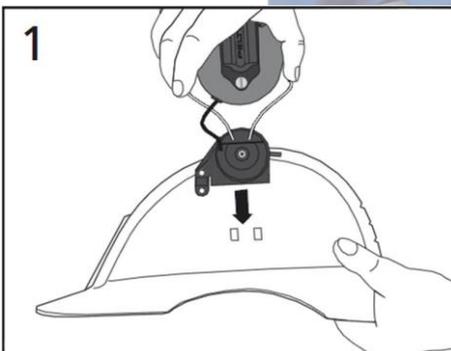
EASY FITTING & ADJUSTMENT

Snap the helmet attachment into the slot on the hard hat

The cups can be set in two positions on the hard hat

Ventilation Position (when not in use)

Working Position (when in use)



100% use of a working hearing protector is the only sure protection from hearing loss.

If you spend time in environments with more than 82 dB A-weighted noise, you need to protect your hearing, or the hearing receptors deep in your ears may be irreparably damaged. If you remove the protectors for even a tiny portion of the time you spend in noisy situations, you are in the danger zone.

A comfortable hearing protector designed for the specific noise level in which it is used is the best guarantee that you will wear the hearing protector 100% of the time, thereby ensuring protection from permanent hearing loss.





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Direct, Verbal, Understandable Communication

The logical smart choice!

