



**PELTOR™**  
Protection & Communication

3M™ PELTOR™ LiteCom Headset series

**Smart Solutions,  
Easy Communication.**

3M Science. Applied to life.™

# The Sound Solution

First-class communication and hearing protection! There was a time when wearing hearing protectors meant being isolated and out of contact. Those days are over. Today, 3M™ PELTOR™ offers first-class communication solutions that not only make your working day safer and more efficient, but also much nicer!

3M™ PELTOR™ products are developed for all environments where high safety must be combined with communication. Industrial environments, construction sites, agriculture and forestry are a few examples.

We have developed several models to ensure there's a 3M™ PELTOR™ Headset for every situation. Headband models for all-round use, and models with helmet attachments for people who wear safety helmets at work.

To ensure easy use of our products and good functions for all environments we use advance technology such as Level Dependent technology and Bluetooth®.



**Oil and gas**



**Mining**



**Hunting and sport shooting**



**Airport ground handling**



**Energy and utilities**



**Transportation**



**Industry**



**Military and law enforcement**



**Construction**

### The importance of wearing hearing protection 100% of time exposed



100% usage  
Gives the expected protection.



99% usage  
Just five minutes of carelessness per day significantly reduces the effect of the hearing protector.



90% usage  
Virtually no protection.

### Safety

To be effective, a hearing protector should be used 100% of the time in noisy environments. Even taking it off for a short time dramatically reduces its effectiveness and greatly increases the risk of hearing damage. The 3M™ PELTOR™ Communication Solutions encourage longer use because the wearer feels less isolated and can communicate with others more easily.

### Function symbols

To help you to understand the functionality of the products you will find below symbols on each product page.



Hearing protection with level-dependent function for ambient listening



Hearing protection that features Bluetooth® technology, for wireless connection to mobile phone, or communication radio



Hearing protection with built-in two-way radio



Hearing protection with external audio input



Hearing protection for communication with external two-way radio

### Essential products and functions



3M™ PELTOR™ LiteCom



3M™ PELTOR™ LiteCom Plus



3M™ PELTOR™ WS™ LiteCom Plus



# 3M™ PELTOR™ LiteCom

With 3M™ PELTOR™ LiteCom communicating in noisy environments has been made easy – and safe. LiteCom is a tough and rugged headset designed to cope with demanding use in many different working environments.



The built-in two-way radio has got 8 channels with 38 subchannels, and has a range of up to 2 km. It lets you talk hands-free and work safely regardless of harmful noise levels.

## Features and Benefits:

- Hearing protector (SNR : 33 dB)
- Pre-programmed analog two-way radio integrated
- 8 channels in the PMR 446MHz band
- 38 subchannels
- Range of up to 2 km depending on conditions
- Voice operated transmission (VOX)
- Auto power off function
- Battery status indication
- Voice guided menu system



## Technical information:

**3M™ PELTOR™ LiteCom**  
 MT53H7A4400-EU Headband  
 SNR: 33 dB\*

<b>Frequency range:</b>	446 MHz (PMR)	
<b>Battery Type:</b>	2x AA 1,2-1,5V, alkaline or NiMH batteries	
<b>Operating time:</b>	Approximately 20 hours of battery lifetime with included alkaline batteries	
<b>Net Weight (incl. batteries):</b>	394g (headband) 418g (helmet att.) 384g (neckband)	
<b>Operating temperature:</b>	-20°C to +50°C (battery dependent)	
<b>3M™ PELTOR™ accessories</b>	HY79 ACK053 FR08 FR09 MT53N-12/1	Hygiene kit Rechargeable battery Power supply Battery charger Electret microphone

### Other 3M™ PELTOR™ LiteCom options



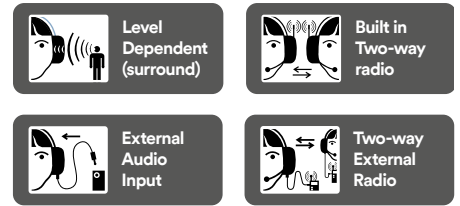
**3M™ PELTOR™ LiteCom**  
 MT53H7B4400-EU Neckband  
 SNR: 32 dB\*



**3M™ PELTOR™ LiteCom**  
 MT53H7P3E4400-EU Helmet attachment  
 SNR: 33 dB\*

# 3M™ PELTOR™ LiteCom Plus

3M™ PELTOR™ LiteCom Plus is based on LiteCom robust design with a number of added features. A built-in communication radio allows two-way conversation on up to 16 channels, and has a range of up to 2,000 meters. This is a fully integrated headset without any exposed cords. It lets you talk hands-free and work safely regardless of harmful noise levels. Active level-dependent filtering of ambient sound ensures you are not isolated from your immediate surroundings, but can still hear alarms, unexpected sounds and calls for help.



## Features and Benefits:

- Hearing protector (SNR: 34 dB)
- Integrated pre-programmed analog two-way radio
- 16 channels in the PMR 446 MHz band and 121 subchannels
- IP54 certified
- Range of up to 2 km depending on conditions
- Level dependent technology for situational awareness
- A separate audio input enables connecting equipment such as mobile phones or external two-way radios
- Voice operated transmission (VOX)
- Auto power off function
- Voice guided menu system
- Noise cancelling waterproof microphone (IP68)
- Connects with Two-way radio (via flex cable)



## Technical information:

**3M™ PELTOR™ LiteCom Plus**  
 MT73H7A4410EU Headband  
 SNR: 34 dB\*

### Other 3M™ PELTOR™ LiteCom Plus options



**3M™ PELTOR™ LiteCom Plus**  
 MT73H7P3E4410EU  
 Helmet attachment  
 SNR: 31 dB\*



Compatible with HY80  
 Gel rings (option)

<b>Frequency range:</b>	PMR 446 MHz
<b>Battery Type:</b>	Rechargeable Li-Ion battery included, ACK081B/1
<b>Operating time:</b>	Approximately 21 hours
<b>Net Weight (incl. batteries):</b>	449g (headband) 472g (helmet att.)
<b>Operating temperature:</b>	-20°C to +50°C (battery dependent)
<b>3M™ PELTOR™ accessories</b>	ACK081B/1 Battery FR08 Power supply AL2AI/SP Charging cable for ACK081B/1 HY83 Hygiene kit HY80 Gel Rings HYM1000 Mic Tape

\* For attenuation information please visit [www.3M.eu/PPEsafety](http://www.3M.eu/PPEsafety)

# 3M™ PELTOR™ WS™ LiteCom Plus

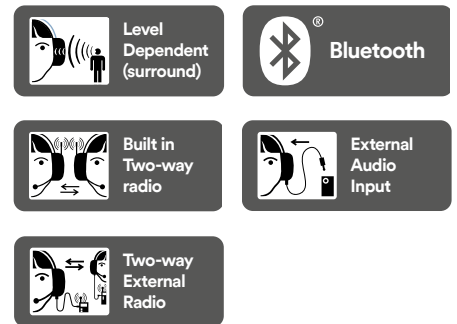
3M™ PELTOR™ WS™ LiteCom Plus with Bluetooth® opens up a world of communication with your built-in two-way radio headset at the hub. You become a mobile, hands-free communication center, the built-in two-way radio and wireless connections to your computer and cell phone. You can take your calls, or stream music thanks to electronics that let you switch easily between functions. The level-dependent technology lets you hear ambient sounds such as external alarm signals or approaching vehicles. It also allows face to face communication at close distance. Robust design (IP54 certified), clear controls and an intuitive menu system.

## Features and Benefits:

- Hearing protector
- Built-in two-way radio communication
- Connect different devices (radio, mobile phone) via Bluetooth® Mutli-Point
- 16 channels in the PMR 446 MHz band and 121 subchannels
- IP54 certified
- Range of up to 2 km depending on conditions
- Level dependent technology for situational awareness
- A separate audio input enables connecting equipment such as mobile phones or external two-way radios
- Voice operated transmission (VOX)
- Auto power off function
- Voice guided menu system
- Noise cancelling waterproof microphone (IP68)

### Connects with:

- Bluetooth compatible devices
- Two-way radio (via flex cable or Bluetooth®)



## Technical information:

3M™ PELTOR™ WS™ LiteCom Plus  
MT73H7A4410WS6EU Headband  
SNR: 34 dB\*

### Other WS™ LiteCom Plus options



3M™ PELTOR™ WS™ LiteCom Plus  
MT73H7B4410WS6EU Neckband  
SNR: 32 dB\*



3M™ PELTOR™ WS™ LiteCom Plus  
MT73H7P3E4410WS6EU  
Helmet attachment  
SNR: 31 dB\*



Compatible with HY80  
Gel rings (option)

<b>Frequency range:</b>	PMR 446MHz or LPD 433MHz	
<b>Bluetooth version:</b>	4.2+EDR	
<b>Battery Type:</b>	Rechargeable batterypack included, ACK081B/1	
<b>Operating time:</b>	Approximately 21 hours	
<b>Net Weight (incl. batteries):</b>	449g (headband) 472g (helmet att.) 434g (Neckband)	
<b>Operating temperature:</b>	-20°C to +50°C (battery dependent)	
<b>3M™ PELTOR™ accessories</b>	ACK081B/1 FR08 AL2AI/SP HY83 HY80 HYM1000	Battery Power supply Charging cable for ACK081B/1 Hygiene kit Gel Rings Mic Tape

# 3M™ Versaflo™ Helmets M-300 Series with 3M™ PELTOR™ LiteCom solutions

M-300 Series Helmets meet the highest powered respirator performance requirements (TH3) for this type of product when used with specific 3M™ Air Delivery Units. Now approved to be used with 3M™ PELTOR™ LiteCom headsets, M-300 Helmets offer you the possibility to communicate effectively whilst protecting your hearing in noisy environments.

## Features and Benefits:

### Highly versatile rigid headtops

- Head protection approved according to EN 397
- Integrated protection from multiple hazards (e.g. respiratory, impact, splash hazards)

### Modern, well balanced design

- Lightweight with excellent balance
- Fully-adjustable head suspension
- A deflector allows users to direct the airflow inside the headtop for increased control and comfort

### Visor design

- Visor design combines excellent peripheral and downward vision with good optical clarity
- Lenses provide chemical and scratch resistance

### Typical applications

- Smelting and foundry applications
- Grinding
- Chemical processing and plant maintenance
- Agricultural applications
- Construction and renovation
- Demolition



reddot design award  
honourable mention 2011



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## Technical information:

### Electronic Protectors

Size Ranges: S = Small, M = Medium, L = Large

Helmet model	Wedge	Product number	Description	Size
Versaflo™ M-306 or M-307 Helmet	Z3AF	MT*H7P3*	Helmet attached WS™ ProTac XPI, LiteCom, WS™ LiteCom Plus, LiteCom Plus product numbers beginning with MT7H or MT53H	M/L

### 2 options of built-in microphones:



**3M™ PELTOR™ MT53V/1 (ELECTRET)**  
LiteCom

**3M™ PELTOR™ MT7V/1 (DYNAMIC)**  
LiteCom Plus  
WS LiteCom Plus

**3M™ PELTOR™ Z3AF HELMET ATTACHMENT**  
(Included in the microphone kits)



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