

3M

PELTOR™

3M™ PELTOR™ LiteCom Headset series

Maintain production and
communication at distance.

3M™ PELTOR™ LiteCom Headset series

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®.



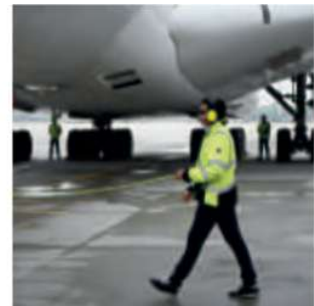
Oil and gas



Mining



Hunting and sport shooting



Airport ground handling



Military and law enforcement



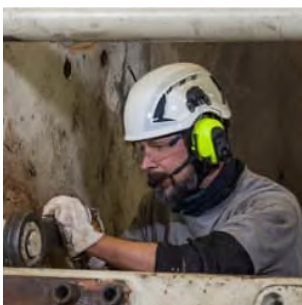
Energy and utilities



Transportation



Industry



Construction

3M™ PELTOR™ LiteCom Headset series

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
built-in FM radio receiver



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 Headset series

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 3km. It lets you talk hands-free and work safely regardless of harmful noise levels.



Features and Benefits:

- Hearing protector (SNR : 32dB)
- Pre-programmed analog two-way radio integrated
- 8 channels in the PMR 446MHz band
- 38 subchannels
- Range of up to 3km depending on conditions
- Voice operated transmission (VOX)
- Auto power off function
- Battery status indication
- Voice guided menu system



3M™ PELTOR™ LiteCom
MT53H7A4400-EU Headband
SNR: 32dB

Other 3M™ PELTOR™ LiteCom options



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



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

Frequency range:	446 MHz (PMR)
Battery Type:	2X AA 1.2–1.5 V batteries or NiMH (2,4 V)
Operating time:	Approximately 20 hours of battery lifetime with included alkaline batteries
Net Weight (incl. batteries):	394g (headband) 418g (helmet att.) 384g (neckband)
Operating temperature:	-20°C to +55°C (battery dependent)

Attenuation* MT53H7A4400-EU Headband

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	18.1	24.3	32.1	36.2	34.7	39.2	36.0
Standard Deviation (dB)	2.4	1.7	2.2	2.6	3.6	3.3	2.4
Assumed Protection (dB)	15.6	22.6	29.9	33.6	31.1	35.9	33.6

SNR=32dB H=33dB, M=30dB, L=23dB

3M™ PELTOR™ accessories	
HY79	Hygiene kit
ACK053	Rechargeable battery
FR08	Power supply
FR09	Battery charger
MT53N-12	Electret microphone

* For further attenuation information please visit www.3M.eu/PPEsafety

3M™ PELTOR™ LiteCom Headset series

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 3,000 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 : 33dB)
- Pre-programmed analog two-way radio integrated
- Connect different devices (radio, mobile phone) via Bluetooth® Multi-Point
- 16 channels in the PMR 446 MHz band and 121 subchannels
- IP54 certified
- Range of up to 3km 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)

Attenuation*

MT73H7A441EU Headband

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	17,1	25,6	34,5	36,6	39,6	38,3	38,3
Standard Deviation (dB)	2,4	1,2	3,0	2,8	2,1	3,0	3,1
Assumed Protection (dB)	14,7	24,4	31,5	31,7	34,5	36,6	35,2

SNR=33dB H=35dB. M=31dB. L=24dB

MT73H7P3E4410EU Headband

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	18,9	23,8	30,2	35,9	34,5	33,9	33,9
Standard Deviation (dB)	3,7	3,3	3,6	2,4	3,1	4,1	3,8
Assumed Protection (dB)	15,2	20,5	26,6	33,5	31,4	31,4	30,1

SNR=31dB H=32dB. M=29dB. L=21dB

* For further attenuation information please visit www.3M.eu/PPESafety



Compatible with HY80 Gel rings



3M™ PELTOR™ LiteCom Plus
MT73H7A4410EU Headband
SNR: 33dB

Other 3M™ PELTOR™ LiteCom Plus options



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

Frequency range: PMR 446MHz

Battery Type: Rechargeable Li-Ion battery included

Operating time: Approximately 20 hours

Net Weight (incl. batteries): 449g (headband)
472g (helmet att.)

Operating temperature: -20°C to +50°C (battery dependent)

3M™ PELTOR™ accessories
ACK081 Battery
FR08 Power supply
AL2AI Charging cable for ACK081
HY83 Hygiene kit
HY80 Gel Rings
HYM1000 Mic Tape

3M™ PELTOR™ Communication Solutions

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® Multi-Point
- 16 channels in the PMR 446 MHz band and 121 subchannels
- IP54 certified
- Range of up to 3km 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®)

Attenuation*

MT73H7B4410WS6EU Headband

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	14.9	24.0	32.7	32.5	36.2	40.4	39.1
Standard Deviation (dB)	2.5	2.0	3.2	2.8	3.4	3.9	3.2
Assumed Protection (dB)	12.4	22.0	29.5	29.7	32.8	36.5	35.9

SNR=31dB H=34dB, M=29dB, L=21dB

MT73H7B4310WS6EU Headband

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	14.6	22.7	33.5	36.9	37.5	41.7	39.3
Standard Deviation (dB)	2.2	1.9	2.3	3.1	4.0	2.7	1.8
Assumed Protection (dB)	12.4	20.8	31.2	33.8	33.5	39.0	37.5

SNR=32dB H=36dB, M=30dB, L=21dB

* For further attenuation information please visit www.3M.eu/PPEsafety



Compatible with HY80 Gel rings

3M™ PELTOR™ WS™ LiteCom Plus
MT73H7A4410WS6EU Headband
SNR: 33dB

Other 3M™ PELTOR™ WS™ LiteCom Plus options



3M™ PELTOR™ WS™ LiteCom Plus
MT73H7B4410WS6EU Neckband
SNR: 31dB



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

Frequency range:

PMR 446MHz
or LPD 433MHz

Bluetooth® Version:

2.1+EDR

Battery Type:

Rechargeable battery pack included or 2x standard AA batteries

Operating time:

Approximately 18 hours

Net Weight (incl. batteries):

449g (headband)
434g (helmet att.)
434g (Neckband)

Operating temperature:

-20°C to +50°C
(battery dependent)

3M™ PELTOR™ accessories

ACK081	Battery
FR08	Power supply
AL2AI	Charging cable for ACK081
HY83	Hygiene kit
HY80	Gel Rings
HYM1000	Mic Tape

3M™ PELTOR™ LiteCom Headset series

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 (e.g. respiratory, impact, splash haz)

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

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**H79P3*	3M™ PELTOR™ Helmet Att. Headsets, Product numbers beginning with MT7H or MT53H except model number ending in -77	M/L
		MT7H540P3*	3M™ PELTOR™ Twin Cup Headsets, Helmet attached, except model number ending in -77	M/L
		MT*H7P3*	Helmet attached WS™ ProTac XP, WS™ Headset XP, Tactical XP, LiteCom, WS™ LiteCom, LiteCom PRO II, LiteCom Plus product numbers beginning with MT7H or MT53H	M/L



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2 options of built-in microphones:

- Dynamic



3M™ PELTOR™
MT53V/1
(ELECTRET)



3M™ PELTOR™
MT7V/1
(DYNAMIC)



reddot design award
honourable mention 2011



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