

A man in a factory setting, wearing a yellow safety helmet with a 3M PELTOR communication system, safety glasses, and a high-visibility vest. He is looking to the right. The background shows industrial equipment and a yellow structural column.

3M

PELTOR™

3M™ PELTOR™ Communication Solutions

Maintain production and
communication at distance.

3M™ PELTOR™ Communication Solutions

Maintain production and communication at distance

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.

With technologies such as Bluetooth® or level dependent, you'll find below easy to use headsets that will help keep production running while maintaining safe distance between workers.



3M™ PELTOR™ Communication Solutions

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™
WS ProTac XPI



3M™ PELTOR™ Communication Solutions

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)

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

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

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

3M™ PELTOR™ Communication Solutions

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
- 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 Helmet Attachment

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
AL2A1	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® Mutli-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™ Communication Solutions

3M™ PELTOR™ WS™ ProTac XPI

The 3M™ PELTOR™ WS™ ProTac XPI Headset is equipped with a level-dependent function for situational awareness and communication. The headset features Bluetooth wireless technology and can also be connected via a jack to provide high quality communication and streaming.

The level-dependent function helps you hear ambient sounds such as external alarm signals or approaching vehicles. It also allows face to face communication in quiet environments.



Features and Benefits:

- Hearing protector (SNR: 31dB)
- Noise cancelling speech microphone for clear communication in noisy environments
- Stainless steel wire headband for comfortable and consistent pressure
- Bluetooth® wireless technology for communication and streaming high quality stereo sound
- Level-dependent function for situational awareness and communication
- External radio connection jack (only available in FLX2 Connector version)
- Easy to use with four button operation
- Ghost voice guided menu system
- Auto power off in 2 hours from last activation
- Also available as neckband or helmet attachment



Connects with

- Bluetooth compatible devices
- Two-way radio (via FLX2 connection)

Attenuation*

MT15H7AWS6 / MT15H7AWS6-111

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	14.4	24.6	35.8	36.0	34.3	35.0	34.8
Standard Deviation (dB)	3.1	1.8	3.2	2.7	2.3	3.0	3.4
Assumed Protection (dB)	11.3	22.8	32.6	33.3	32.0	32.0	31.4

EN352-1:2002 SNR=31 dB H=33 dB M=30 dB L=20 dB

MT15H7P3EWS6 / MT15H7P3EWS6-111

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	18.7	25.4	33.0	38.0	34.3	34.4	34.3
Standard Deviation (dB)	3.2	3.4	3.3	4.5	3.8	3.6	5.0
Assumed Protection (dB)	15.5	22.0	29.7	33.5	30.5	30.8	29.3

EN352-3:2002 SNR=31 dB H=31 dB M=30 dB L=23 dB

3M™ PELTOR™ accessories

HY83	3M™ PELTOR™ HY83 Hygiene kit, 2 foam liners, 2 snap-in cushions	FR08	3M™ PELTOR™ FR08 Power supply with USB connector 7000108521
HY80	3M™ PELTOR™ Gel snap-in cushions 7000127468	FR09	3M™ PELTOR™ FR09 Battery charger with USB connector
ACK053	3M™ PELTOR™ ACK053 Rechargeable NiMH battery, 2100mAh	M171/2	3M™ PELTOR™ M171/2 Windshield for MT73 speech microphone 2ea

3M™ PELTOR™ WS™ ProTac XPI Headset
MT15H7AWS6 Headband
SNR: 33dB

Other 3M™ PELTOR™ WS™ ProTac XPI options



3M™ PELTOR™ WS™ ProTac XPI Headset, helmet attachment
MT15H7P3EWS6 Helmet attachment
SNR: 31dB

3M™ PELTOR™ WS™ ProTac XPI FLX2 Headset
MT15H7AWS6-111 Headband
SNR: 31dB

3M™ PELTOR™ WS™ ProTac XPI FLX2 Headset
MT15H7P3EWS6-111
Helmet attachment
SNR: 31dB

Frequency Range: 2400-2483.5 MHz

Bluetooth®

Version: 4.2+EDR

Battery Type: 2xAA NiMH or alkaline batteries, 1,2-1,5 V

Operating Time: Level Dependent + Bluetooth active: Approximately 45 hours of battery lifetime with included alkaline batteries

Net Weight, (incl. batteries): Headband:
MT15H7AWS6 = 365g
MT15H7AWS6-111 = 373g
Helmet Attachment:
MT15H7P3EWS6 = 387g
MT15H7P3EWS6-111 = 395g

Operating Temperature: -20°C to +55°C (battery dependent)

Wired Connectivity: Available with flex input jack

M60/2	3M™ PELTOR™ M60/2 Windshield for Level-dependent microphones 2ea
HY100A	3M™ PELTOR™ HY100A Clean Hygiene Pad, 100pcs
HYM1000	3M™ PELTOR™ HYM1000 Microphone protection, 5 meters

3M™ PELTOR™ Communication Solutions

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

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
- Electret



3M™ PELTOR™
MT53V/1
(ELECTRET)



3M™ PELTOR™
MT7V/1
(DYNAMIC)



reddot design award
honourable mention 2011



Notes

3M Belgium BVBA / SPRL
Hermeslaan 7
1831 Diegem
België / Belgique
E-mail: 3Msafety.be@mmm.com
www.3Msafety.be

3M Danmark
Hannemanns Allé 53
2300 København S
Danmark
E-mail: 3Msikkerhed@mmm.com
www.3Msikkerhed.dk

3M Deutschland GmbH
Carl-Schurz-Straße 1
D - 41453 Neuss
Deutschland
E-mail: arbeitsschutz.de@mmm.com
www.3Marbeitsschutz.de

3M España, S.A.
Juan Ignacio Luca de Tena, 19-25
28027 Madrid
España
E-mail: ohes.es@3M.com
www.3M.com/es/seguridad

3M France
1 Parvis de l'innovation CS 20203
95006 Cergy Pontoise
France
www.3M.com/fr/securite

3M Greece
3M Ελλάς Μ.Ε.Π.Ε.
Κηφισίας 20
15125, Μαρούσι
Ελλάς
www.3M.com/gr/occsafety

3M Ireland Limited
The Iveagh Building
Carrickmines Park
Carrickmines
Dublin 18
E-mail: ohes.helpline.uk@mmm.com
www.3M.co.uk/safety

3M Italia srl
Via Norberto Bobbio, 21
20096 Pioltello MI
Italia
E-mail: 3Msicurezza@mmm.com
www.3Msicurezza.it

3M Nederland B.V.
Molengraaffsingel 29
2629 JD Delft
Nederland
E-mail: 3Msafety.nl@mmm.com
www.3Msafety.nl

3M Norge A/S
Postboks 100, 2026 Skjetten
Norge
E-mail: kundeservice@mmm.com
www.3M.no/vern

3M Österreich GmbH
Kranichberggasse 4
1120 Wien
Österreich
www.3M.com/at/arbeitsschutz

3M Portugal
Rua do Conde Redondo, 98
1169-009 Lisboa
Portugal
www.3M.com/pt/segurança

3M Suisse S.a r.l. / Schweiz GmbH
Eggstrasse 93
8803 Rüschlikon
Suisse / Schweiz
www.3M.com/ch/safety

Suomen 3M Oy
Keilaranta 6
02150 Espoo
Suomi
www.3M.fi/suojaimet

3M Svenska AB
191 89 Sollentuna
Sverige
E-mail: kundservice@mmm.com
www.3M.se/personskydd

3M United Kingdom PLC
3M Centre
Cain Road
Bracknell
RG12 8HT
United Kingdom
E-mail: ohes.helpline.uk@mmm.com
www.3M.co.uk/safety

3M Personal Safety Division

EMEA Region
3M Centre, Cain Road
Bracknell, Berkshire, RG12 8HT
United Kingdom
Office: +44 (0)1344 858000
www.3M.eu/PPESafety

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