



PELTOR™



3M™ PELTOR™ Hearing & Communication Solutions

# Smart solutions, Easy communication

Hearing protection with integrated analog and digital two-way radio enables headset-to-headset communication and can be integrated with similar professional radio communication systems. Includes Bluetooth® enabled multipoint connectivity for simultaneous seamless connection. The level-dependent function helps you to hear important sounds from the surroundings and communicate with people standing close by without compromising your hearing protection.

3M™ PELTOR™ WS™ LiteCom Pro III Headset



Hearing protection with built in two-way radio



Hearing protection for communicating with external communication devices.



Hearing protection with level-dependent function for ambient listening



Built-in Bluetooth® Technology



3M Science. Applied to life.™

# Smart Solutions, Easy Communication

3M™ PELTOR™ WS™ LiteCom Pro III Headset is a hearing protector with built-in analog and digital programmable two-way communication radio, a level-dependent function for ambient listening, Bluetooth® Multipoint connectivity and external connection jack.

## Built-in programmable analog and digital two-way communication radio

Headset-to-headset communication with ability to be integrated with similar professional radio communication systems. Up to 70 programmable radio channels.

## Bluetooth® Connectivity

Multipoint, for simultaneous, seamless connection to external devices using Bluetooth® technology.

## External Connection Jack

External connection jack provides the possibility to connect an external communication device via a cable.

## Noise Cancelling Waterproof Speech Microphone

Helps provide communication in noisy and demanding environments.

## Stainless Steel Wire Headband

Wire headband offers comfortable pressure during prolonged usage.

## Hearing Protection

Noise attenuating headset helps provide hearing protection in environments with potentially hazardous noise.

## Level-dependent Technology

Microphones for ambient listening. Helps improve situational awareness and communication.

## Voice Operated Transmission

Voice operated transmission (VOX) for hands free operation in high noise environments.







### Easy To Use

- Noise attenuating headset helps provide hearing protection in environments with potentially hazardous noise.
- Voice Operated Transmission (VOX) facilitates hands-free operation.
- External Connection Jack provides the possibility to connect an external communication device via a cable.
- Five conveniently positioned function keys and voice guided menus (with multiple language selection) to handle all modes and settings.
- Push-to-Listen quick activation of Level-dependent function

### Bluetooth® Technology

- Multipoint, for simultaneous, seamless connection to up to two external devices using Bluetooth® technology.

### Built-in programmable two-way communication radio

- Headset-to-headset communication and can be integrated with similar professional radio communication systems
- DMR compatible

- 70 programmable radio channels in the 403–470 MHz frequency.
- Analog radio selective squelch function with CTCSS tones or DCS codes and DMR radio functionality, allows multiple users to work on the same channel without listening to each other’s communication.

### Long range, Low power

- Range with maximum output power is up to 2 km outdoors depending on actual conditions.
  - Operating time is up to 11 hours\*, using the 3M™ PELTOR™ ACK081 Battery.
- \*can be increased up to 17 hours with the power save feature

### Situational awareness with level dependent function

- The level-dependent function helps you hear important sounds from the surroundings and to communicate with people standing close by in a noisy environment, without compromising your hearing protection.

## Headset Models

Article number	Description	3M ID	SAP ID
MT73H7A4D10EU	WS™ LiteCom Pro III Headset, headband	UU008013599	7100098910
MT73P3E4D10EU	WS™ LiteCom Pro III Headset, helmet att.	UU008014241	7100098974
MT73H7B4D10EU	WS™ LiteCom Pro III Headset, neckband	UU008013607	7100098956



MT73H7A4D10EU



MT73H7P3E4D10EU



MT73H7B4D10EU

## Articles & Accessories

Article number	Description	3M ID	SAP ID
MT90-02	Throat microphone for WS™ LiteCom Pro III Headset	XL001644068	7000040037
ACK081	Rechargeable Li-Ion batterypack (only for WS™ LiteCom Pro III, Non Ex)	XH001680541	7100075380
AL2AI	Charge cable for ACK081	11003074017	1100001933
FR08	Power Supply for AL2AI	XH001680194	7000108521
FL5602	External PTT for WS™ LiteCom Pro III Headset Non Ex only	XH001654561	7000107893
M60/2	Wind shield for surround mic	XH001652532	7000039650
HY83	Hygiene kit	UU008197921	7100113964
HYM1000	Hygiene tape for boom mic	XH001651328	7100064281
M171/2	Wind protector for mic, 2 pcs	UU008159483	7100112112



MT90-02



ACK081



AL2AI



FR08



M171/2



HYM1000



M60/2



HY83

# Technical data specifications

## Technical data specifications

Model	Weight (with ACK081)
Headband:	490g
Helmet attachment:	512 g
Neckband:	475 g

### Built-in Two-way Radio

Frequency range:	403 – 470 MHz
Operation mode:	Simplex
Channels:	70 programmable channels
Channel separation:	12,5 kHz and 25 kHz
Modulation:	Analog: 2,5 kHz (FM) and 5 kHz (FM) Digital: 2,5 kHz (4-level FSK)
Microphone type:	Dynamic (MT73)
Receiver sensitivity:	Typical -120 dBm
Selective squelch:	Programmable (supports CTCSS and DCS)
Output power:	200 / 20 / 10 mW ER
Range:	Outdoors up to 2 km depending on conditions
Operating temperature:	-20°C to +50°C

### Power

Li-Ion battery:	ACK081, included in delivery
Charging time:	approx. 4 hours
Capacity:	3,7 V, 1800 mA, 6,7 Wh
Operating time:	up to 11 hours* (90 stby / 5 tx / 5 rx)

\*can be increased up to 17 hours with the power save feature

### Storage

Recommended storage conditions:	-20° C - +55° C, <90% humidity
Recommended max. shelf life:	Headset: 3 years Battery: 1 year

**Use limitation:** Never modify or alter this product

## In the box

- 1 x 3M™ PELTOR™ WS™ LiteCom Pro III Headset.
- 1 x Battery (ACK081)
- 1 x Power supply FR08
- 1 x Cable AL2AI (for ACK081)
- 1 x Hygiene kit HY83
- 1 x User instruction



**3M Personal Safety Division**  
3M Svenska AB, Box 2341  
SE-331 02 Värnamo  
Sweden  
Internet: [www.3M.com/PELTOR](http://www.3M.com/PELTOR)

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## Laboratory Attenuation

### MT73H7A4D10EU

EN352-1:2002

f (Hz)	125	250	500	1000	2000	4000	8000	SNR
M <sub>r</sub> (dB)	19.3	25.0	34.8	37.4	36.1	40.4	36.4	33
s <sub>r</sub> (dB)	2.5	1.9	2.6	3.5	3.7	2.4	4.0	
APV <sub>r</sub> (dB)	16.8	23.1	32.2	33.9	32.4	38.0	32.4	

H=34 dB M=31 dB L=25 dB

### MT73H7B4D10EU

EN352-1:2002

f (Hz)	125	250	500	1000	2000	4000	8000	SNR
M <sub>r</sub> (dB)	17.7	23.9	32.5	36.2	35.6	39.5	37.1	32
s <sub>r</sub> (dB)	2.8	3.1	3.9	3.1	2.5	2.9	2.3	
APV <sub>r</sub> (dB)	14.9	20.8	28.6	33.1	33.1	36.6	34.8	

H=35 dB M=30 dB L=22 dB

### MT73H7P3E4D10EU

EN352-3:2002

f (Hz)	125	250	500	1000	2000	4000	8000	SNR
M <sub>r</sub> (dB)	18.1	23.2	32.0	36.4	34.2	40.2	34.5	32
s <sub>r</sub> (dB)	3.3	1.8	3.4	2.7	1.9	2.5	4.6	
APV <sub>r</sub> (dB)	14.8	21.4	28.6	33.7	32.3	37.7	29.9	

H=33 dB M=30 dB L=23 dB

## Standards and Approvals

MT73H7\*4D10EU is in conformity with the provisions set out in the PPE directive 89/686/EEC and RED directive 2014/53/EU.

The product has been examined by;

Finnish Institute of Occupational Health (Notified Body No.0403),  
Topeliuksenkatu 41 a A, FI-00250, Helsinki, Finland.

EMCCert DR. RAŠEK GmbH Notified Body number : 0678  
Störnhofer Berg 15 91364 Unterleinleiter Germany.

The 3M™ PELTOR™ WS™ LiteCom Pro III Headset operates on radio communication frequencies that may be subject to end-user licensing by local government agencies. The user is responsible for contacting the local government agency and obtaining any necessary licences prior to using the two-way communication radio.

**WARNING!** 3M strongly recommends individual fit testing of hearing protectors. If the NRR or SNR is used to estimate typical workplace protection, 3M recommends that the noise reduction value be reduced by 50% or in accordance with applicable regulations.

### Warranty:

The warranty does not cover any damage caused by neglected maintenance or careless handling.  
For more information on maintenance, please see the user instruction.  
For complete warranty condition, contact your dealer or local 3M office

### Important Notice

3M does not accept liability of any kind, be it direct or consequential (including, but not limited to, loss of profits, business and/or goodwill) arising from reliance upon any information herein provided by 3M. The user is responsible for determining the suitability of the products for their intended use. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.

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