



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

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Laboratory Attenuation

MT73H7A4D10EU EN352-1:2002

| f (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | SNR |
|-----------------------|------|------|------|------|------|------|------|-----|
| M _r (dB) | 19.3 | 25.0 | 34.8 | 37.4 | 36.1 | 40.4 | 36.4 | 33 |
| s _r (dB) | 2.5 | 1.9 | 2.6 | 3.5 | 3.7 | 2.4 | 4.0 | |
| APV _r (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 _r (dB) | 17.7 | 23.9 | 32.5 | 36.2 | 35.6 | 39.5 | 37.1 | 32 |
| s _r (dB) | 2.8 | 3.1 | 3.9 | 3.1 | 2.5 | 2.9 | 2.3 | |
| APV _r (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 _r (dB) | 18.1 | 23.2 | 32.0 | 36.4 | 34.2 | 40.2 | 34.5 | 32 |
| s _r (dB) | 3.3 | 1.8 | 3.4 | 2.7 | 1.9 | 2.5 | 4.6 | |
| APV _r (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

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