



3M™ PELTOR™ WS™ LiteCom Pro III GB Headset Pre-programmed Analog/Digital 2-way radio Headset

Product Description

The 3M™ PELTOR™ WS™ LiteCom Pro III GB Headset is the next generation protective communication solution. With an integrated, pre-programmed analog/digital two-way radio, Bluetooth® Multipoint connectivity, noise-cancelling microphone, and level-dependent function for ambient listening, the WS™ LiteCom Pro III GB Headset not only helps protect you against hazardous noise, but also makes it easy to communicate in noisy environments and helps you maintain situational awareness.

Key Features

- Pre-programmed analog/digital DMR two-way radio communication
- Bluetooth® multipoint functionality
- High Visibility colour
- Waterproof microphone (IP68)
- Level-dependent function for ambient listening
- Voice menu with multiple language selection
- Push-to-Listen function
- Rechargeable battery, Li-Ion
- Voice operated transmission (VOX)
- Busy channel indication
- External connection jack
- Auto power off function
- Battery status indication

Applications

The 3M™ PELTOR™ WS™ LiteCom Pro III High Visibility Headset offers wireless communication in noisy environments. Suitable for work in industrial, construction and ground handling applications, where hands-free communication and hearing protection are needed.

Standards and Approvals

Hereby, 3M Svenska AB declares that the product is in compliance with appropriate directives or regulations to fulfill the requirements for the CE marking. The full text of the EU declaration of conformity is available at the following internet address: www.3M.com/PELTOR/DOC. A copy of the declaration of conformity and additional information required in the directives or regulations can also be obtained by contacting 3M in the country of purchase.



MT73H7A4D10EU GB



Hearing protection with built in two-way radio



External jack for communicating with external communication devices.



Hearing protection with level-dependent function for ambient listening



Bluetooth® MultiPoint technology for connection to one or two external devices for hands-free talk and streaming



Digital two way radio according to DMR standard.



Bluetooth® Technology

Models:

| Article number | Description | 3M ID | SAP ID |
|--------------------|--|-------------|------------|
| MT73H7A4D10EU GB | 3M™ PELTOR™ WS™ LiteCom Pro III GB Headset, Preprogrammed Analog/Digital, EU version, Headband | UU009283811 | 7100153423 |
| MT73H7P3E4D10EU GB | 3M™ PELTOR™ WS™ LiteCom Pro III GB Headset, Preprogrammed Analog/Digital, EU version, Helmet attach. | UU009283829 | 7100153479 |
| MT73H7B4D10EU GB | 3M™ PELTOR™ WS™ LiteCom Pro III GB Headset, Preprogrammed Analog/Digital, EU version, Neckband | UU009283837 | 7100153481 |

Accessories and Spare parts

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

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: | PMR 403-470 MH |
| Operation mode: | Simplex |
| Channels: | 16 pre-programmed channels (Analog PMR) 16 pre-programmed channels (Digital PMR) |
| Channel separation: | 12,5 kHz |
| Modulation: | Analog: FM Digital: TDMA |
| Microphone type: | Dynamic (MT73) |
| Receiver sensibility: | Typical -120 dBm |
| Selective squelch: | Programmable (supports CTCSS and DCS) |
| Output power: | 200 / 20 / 10 mW ERP |
| 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 |

User limitation: Never modify or alter this product

In the box

- 1 x 3M™ PELTOR™ WS™ LiteCom Pro III GB 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

Laboratory Attenuation

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EN352-1:2002

| Frequency (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | SNR |
|-------------------------------|------|------|------|------|------|------|------|-----|
| Mean Attenuation (dB) | 19.3 | 25.0 | 34.8 | 37.4 | 36.1 | 40.4 | 36.4 | 33 |
| Standard deviation (dB) | 2.5 | 1.9 | 2.6 | 3.5 | 3.7 | 2.4 | 4.0 | |
| Assumed Protection Value (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 GB

EN352-1:2002

| Frequency (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | SNR |
|-------------------------------|------|------|------|------|------|------|------|-----|
| Mean Attenuation (dB) | 17.7 | 23.9 | 32.5 | 36.2 | 35.6 | 39.5 | 37.1 | 32 |
| Standard deviation (dB) | 2.8 | 3.1 | 3.9 | 3.1 | 2.5 | 2.9 | 2.3 | |
| Assumed Protection Value (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 GB

EN352-3:2002

| Frequency (Hz) | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | SNR |
|-------------------------------|------|------|------|------|------|------|------|-----|
| Mean Attenuation (dB) | 18.1 | 23.2 | 32.0 | 36.4 | 34.2 | 40.2 | 34.5 | 32 |
| Standard deviation (dB) | 3.3 | 1.8 | 3.4 | 2.7 | 1.9 | 2.5 | 4.6 | |
| Assumed Protection Value (dB) | 14.8 | 21.4 | 28.6 | 33.7 | 32.3 | 37.7 | 29.9 | |

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

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. 3M PSD products are occupational use only.

The 3M™ PELTOR™ WS™ LiteCom Pro III GB High Visibility 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.



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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

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