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

Product Description
The 3M™ PELTOR™ WS™ LiteCom Pro III Headset is the next generation protective communication solution. With an integrated, programmable analog/digital two-way radio, Bluetooth® Multipoint connectivity, noise-cancelling microphone, and level-dependent function for ambient listening, the WS™ LiteCom Pro III 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
- Programmable analog/digital DMR two-way radio communication
- Bluetooth® multipoint functionality
- Water tight 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 Headset offers wireless communication in noisy environments. Suitable for work in industrial and construction applications, where hands-free communication and hearing protection are needed.

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 #0403), Topeliuksenkatu 41 b, FI-00250, Helsinki, Finland.
- EMCCert DR. RAŠEK GmbH, Notified Body #0678, Störnhofer Berg 15 91364 Unterleinleiter Germany.

Models:

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<tr>
<th>Article number</th>
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<th>SAP ID</th>
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<tr>
<td>MT73H7A4D10EU</td>
<td>3M™ PELTOR™ WS™ LiteCom Pro III Headset, 403-470 MHz, Analog/Digital, EU version, Headband</td>
<td>UU008013599</td>
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Accessories and Spare parts

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<tr>
<td>MT90-02</td>
<td>Throat microphone for WS™ LiteCom Pro III Headset</td>
<td>XL001644068</td>
<td>7000040037</td>
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<tr>
<td>ACK081</td>
<td>Rechargeable Li-Ion batterypack (only for WS™ LiteCom Pro III, Non Ex)</td>
<td>XH001680541</td>
<td>7100075380</td>
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<td>AL2AI</td>
<td>Charge cable for ACK081</td>
<td>11003074017</td>
<td>1100001933</td>
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<td>FR08</td>
<td>Power Supply for AL2AI</td>
<td>XH001680194</td>
<td>7000108521</td>
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<td>FL5602</td>
<td>External PTT for WS™ LiteCom Pro III Headset Non Ex only</td>
<td>XH001654561</td>
<td>7000107893</td>
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<td>M60/2</td>
<td>Wind shield for surround mic</td>
<td>XH001655232</td>
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<td>HY83</td>
<td>Hygiene kit</td>
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<td>7100113964</td>
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<td>HYM1000</td>
<td>Hygiene tape for boom mic</td>
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<td>MT17/2</td>
<td>Wind protector for mic, 2 pcs</td>
<td>UU008159483</td>
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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 sensibility: 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: -20° C - +55° C, <90% humidity conditions
- Recommended max. shelf life: Headset: 3 years, Battery: 1 year

Use limitation: Never modify or alter this product

Laboratory Attenuation

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<th>EN352-1:2002</th>
<th>EN352-3:2002</th>
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<tr>
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<tr>
<td>f (Hz)</td>
<td>125</td>
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<tr>
<td>$M_\sigma$ (dB)</td>
<td>19.3</td>
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<tr>
<td>$s_\sigma$ (dB)</td>
<td>2.5</td>
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<tr>
<td>APV $_\sigma$ (dB)</td>
<td>16.8</td>
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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.

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

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