



**PELTOR™**  
Protection & Communication



3M™ PELTOR™ WS™ LiteCom Pro III Headset

# Stay protected and connected.

The analog and digital two-way radio helps enable clear, hands-free communication in high levels of noise and integrates seamlessly into your existing two-way radio system. And with Bluetooth® multipoint functionality, workers can be wirelessly connected to two mobile devices. Plus, workers stay protected, aware and able to communicate face-to-face while never removing their hearing protection through environmental listening technology. And all of this technology is combined with the professional-grade durability and all day wearability you've grown to expect from the 3M™ PELTOR™ Brand.

3M™ PELTOR™ WS™ LiteCom Pro III Headset



Hearing protection with built-in two-way radio.



Hearing protection for communicating with external communication devices.



Environmental listening technology assists workers to hear environmental sounds in low noise.



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, environmental listening instead of level-dependent hearing protection, Bluetooth® functionality and a jack to connect external devices.

## 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.

Keep headset in proper working order with replacement cushions and foam liners (hygiene kit available separately).

## Bluetooth® Connectivity

Simultaneous, seamless connection to multiple external devices using Bluetooth® technology.

User-friendly controls with voice guided menu.

## External Connection Jack

Ability to connect to a smart phone, radio, shoulder mic, or other external devices.

## Noise-cancelling, Waterproof Speech Microphone

Helps provide clear communication in noisy and demanding environments.

## Comfort Options

Headset is available in headband, neckband and hard hat attached configurations.

## Stainless Steel Wire Headband

Offers comfortable and consistent pressure.

## Hearing Protection

Noise attenuating ear cups help provide hearing protection in environments with potentially hazardous noise.

## Batteries

Provides approximately 11 hours of continued use. Headset powers off after 2 hours of non-use to conserve batteries. Audio alert when battery is low.

## Environmental Listening

Assists workers to hear environmental sounds in low noise.

## Voice Operated Transmission

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



## Key Features

- ▶ Built-in programmable two-way communication radio allows hands-free headset-to-headset communication without cumbersome cables or cords.
- ▶ The headset can be programmed to use up to 70 unique two-way radio channels using analog and/or DMR digital modulation.
- ▶ Easily integrates into similar professional radio communication systems.
- ▶ Designed by 3M PELTOR and built tough for the working professional.



## Headset Models

| Product Number     | 3M ID      | Description   | Color         |
|--------------------|------------|---|---------------|
| MT73H7A4D10NA GB   | 7100148701 | 3M™ PELTOR™ WS™ LiteCom Pro III Headset, Headband           | Bright Yellow |
| MT73H7B4D10NA GB   | 7100153092 | 3M™ PELTOR™ WS™ LiteCom Pro III Headset, Neckband           | Bright Yellow |
| MT73H7P3E4D10NA GB | 7100153110 | 3M™ PELTOR™ WS™ LiteCom Pro III Headset, Hard Hat Attached  | Bright Yellow |
| MT73H7A4D10NA      | 7100099790 | 3M™ PELTOR™ WS™ LiteCom Pro III Headset, Headband           | Navy Blue     |
| MT73H7B4D10NA      | 7100099581 | 3M™ PELTOR™ WS™ LiteCom Pro III Headset, Neckband           | Navy Blue     |
| MT73H7P3E4D10NA    | 7100099586 | 3M™ PELTOR™ WS™ LiteCom Pro III Headset, Hard Hat -Attached | Navy Blue     |



MT73H7A4D10NA



MT73H7A4D10NA GB



MT73H7B4D10NA



MT73H7B4D10NA GB



MT73H7P3E4D10NA GB



MT73H7P3E4D10NA

## Parts & Accessories

| Product Number | 3M ID      | Description  |
|----------------|------------|--|
| MT90-02        | 7000040037 | Throat microphone for WS™ LiteCom Pro III Headset                      |
| ACK081         | 7100075380 | Rechargeable Li-Ion batterypack (only for WS™ LiteCom Pro III, Non IS) |
| AL2AI/SP       | 7100088372 | Charge cable for ACK081  |
| FR08           | 7000108521 | Power Supply for AL2AI   |
| FL5602-50      | 7000107893 | External PTT for WS™ LiteCom Pro III Headset                           |
| M60/2          | 7000039650 | Windscreens for environmental mics, 2pcs                               |
| HY83           | 7100113946 | Hygiene kit  |
| HYM1000        | 7100064281 | Hygiene tape for boom mic  |
| M171/2         | 7100112112 | Boom mic windscreens, 2pcs   |



MT90-02



ACK081



AL2AI



FR08



M171/2



HYM1000



M60/2



HY83

# Technical Data Specifications

## Technical data specifications

### Model Approximate Weight (with ACK081)

|                   |         |
|-------------------|---------|
| Headband:         | 17.3 oz |
| Hard Hat-Attached | 18.1 oz |
| Neckband:         | 16.8 oz |

### Built-in Two-way Radio

|                        |   |
|------------------------|---|
| Frequency range:       | 403 – 470 MHz   |
| Operation mode:        | Simplex   |
| Channels:              | 70 programmable channels  |
| Channel raster:        | 3.125 kHz   |
| Channel separation:    | 12.5 kHz and 25 kHz   |
| Modulation:            | Analog: 2.5 kHz (FM) and 5 kHz (FM)<br>Digital: 2.5 kHz (4-level FSK) |
| Microphone type:       | Dynamic, noise-cancelling (MT73)                                      |
| Receiver sensitivity:  | Typical -120 dBm  |
| Selective squelch:     | Programmable (supports CTCSS and DCS)                                 |
| Output power:          | 200 / 20 / 10 mW ER   |
| Range:                 | Outdoors up to 1.25 miles depending on conditions                     |
| Operating temperature: | -4°F (-20°C) to +122°F (+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: | 11 hours                     |

### Storage

|                                 |  |
|---------------------------------|--|
| Recommended storage conditions: | -4° F - 131° F (-20° C - +55° C),<br><90% humidity |
| Recommended max. shelf life:    | Headset: 3 years<br>Battery: 1 year                |

**Use limitation:** Never modify or alter this product. Always read and follow user instructions.

## Laboratory Attenuation (ANSI S3.19-1974)

### MT73H7A4D10NA

ANSI S3.19-1974

| Test Frequency (Hz)     | 125  | 250  | 500  | 1000 | 2000 | 3150 | 4000 | 6300 | 8000 | NRR* | CSA Class |
|-------------------------|------|------|------|------|------|------|------|------|------|------|-----------|
| Mean Attenuation (dB)   | 21.7 | 25.3 | 35.2 | 37.9 | 36.9 | 40.1 | 40.2 | 38.6 | 39.4 | 28   | AL        |
| Standard Deviation (dB) | 3.0  | 2.4  | 2.6  | 2.8  | 3.1  | 3.2  | 3.1  | 2.3  | 2.4  |      |           |

### MT73H7A4D10NA GB

ANSI S3.19-1974

| Test Frequency (Hz)     | 125  | 250  | 500  | 1000 | 2000 | 3150 | 4000 | 6300 | 8000 | NRR* | CSA Class |
|-------------------------|------|------|------|------|------|------|------|------|------|------|-----------|
| Mean Attenuation (dB)   | 21.7 | 25.3 | 35.2 | 37.9 | 36.9 | 40.1 | 40.2 | 38.6 | 39.4 | 28   | AL        |
| Standard Deviation (dB) | 3.0  | 2.4  | 2.6  | 2.8  | 3.1  | 3.2  | 3.1  | 2.3  | 2.4  |      |           |

### MT73H7B4D10NA

ANSI S3.19-1974

| Test Frequency (Hz)     | 125  | 250  | 500  | 1000 | 2000 | 3150 | 4000 | 6300 | 8000 | NRR* | CSA Class |
|-------------------------|------|------|------|------|------|------|------|------|------|------|-----------|
| Mean Attenuation (dB)   | 20.9 | 23.6 | 33.8 | 37.3 | 36.8 | 39.4 | 39.0 | 37.7 | 38.9 | 28   | AL        |
| Standard Deviation (dB) | 3.1  | 2.0  | 2.2  | 2.4  | 2.7  | 3.1  | 2.4  | 1.8  | 2.9  |      |           |

### MT73H7B4D10NA GB

ANSI S3.19-1974

| Test Frequency (Hz)     | 125  | 250  | 500  | 1000 | 2000 | 3150 | 4000 | 6300 | 8000 | NRR* | CSA Class |
|-------------------------|------|------|------|------|------|------|------|------|------|------|-----------|
| Mean Attenuation (dB)   | 20.9 | 23.6 | 33.8 | 37.3 | 36.8 | 39.4 | 39.0 | 37.7 | 38.9 | 28   | AL        |
| Standard Deviation (dB) | 3.1  | 2.0  | 2.2  | 2.4  | 2.7  | 3.1  | 2.4  | 1.8  | 2.9  |      |           |

### MT73H7P3E4D10NA

ANSI S3.19-1974

| Test Frequency (Hz)     | 125  | 250  | 500  | 1000 | 2000 | 3150 | 4000 | 6300 | 8000 | NRR* | CSA Class |
|-------------------------|------|------|------|------|------|------|------|------|------|------|-----------|
| Mean Attenuation (dB)   | 19.0 | 21.9 | 30.4 | 35.9 | 36.1 | 37.3 | 37.2 | 34.7 | 34.8 | 25   | A         |
| Standard Deviation (dB) | 2.1  | 2.4  | 3.1  | 3.5  | 3.0  | 3.5  | 3.3  | 3.2  | 3.3  |      |           |

### MT73H7P3E4D10NA GB

ANSI S3.19-1974

| Test Frequency (Hz)     | 125  | 250  | 500  | 1000 | 2000 | 3150 | 4000 | 6300 | 8000 | NRR* | CSA Class |
|-------------------------|------|------|------|------|------|------|------|------|------|------|-----------|
| Mean Attenuation (dB)   | 19.0 | 21.9 | 30.4 | 35.9 | 36.1 | 37.3 | 37.2 | 34.7 | 34.8 | 25   | A         |
| Standard Deviation (dB) | 2.1  | 2.4  | 3.1  | 3.5  | 3.0  | 3.5  | 3.3  | 3.2  | 3.3  |      |           |

### 3M PSD products are for occupational use only.

\*U.S. EPA specifies the NRR as the measure of hearing protector noise reduction. However, 3M makes no warranties as to the suitability of the NRR for this purpose. 3M strongly recommends personal fit testing of hearing protectors. Research suggests that users may receive less noise reduction than indicated by the attenuation label value(s) on the packaging due to variation in fit, fitting skill, and motivation of the user. Refer to applicable regulations for guidance on how to adjust attenuation label values. It is recommended that the NRR be reduced by 50% to better estimate typical workplace protection.



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For more Information:  
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