



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



MT73H7A4D10NA



MT73H7A4D10NA GB



MT73H7B4D10NA



MT73H7B4D10NA GB



MT73H7P3E4D10NA GB



MT73H7P3E4D10NA

## Parts & Accessories

Product Number	3M SAP ID	Description
MT90-02	7000040037	Throat microphone for WS™ LiteCom Pro III Headset
ACK081	7100075380	Rechargeable Li-Ion battery pack (only for WS™ LiteCom Pro III, Non IS)
AL2AI	1100001933	Charge cable for ACK081
FR08	7000108521	Power Supply for AL2AI
FL5602-50	7000107893	External PTT for WS™ LiteCom Pro III Headset Non IS only
M60/2	7000039650	Wind shield for surround mic
HY83	7100113946	Hygiene kit
HYM1000	7100064281	Hygiene tape for boom mic
M171/2	7100112112	Wind protector for mic, 2 pcs



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) 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), <90% humidity
Recommended max. shelf life:	Headset: 3 years 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 Personal Safety Division

3M Center,  
Building 235-2NW-70 St. Paul,  
MN 55144-1000, 3M.com/Hearing  
For more Information:  
Technical Service 1-800-243-4630  
Customer Service 1-800-328-1667

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### 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.