



PELTOR™
Protection & Communication



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 used with similar PMR 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 GB Headset



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



Built-in Bluetooth® technology



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



3M Science. Applied to life.™

Smart Solutions, Easy Communication

3M™ PELTOR™ WS™ LiteCom Pro III High Visibility Headset is a hearing protector with built-in analog and digital pre-programmed two-way communication radio, a level-dependent function for ambient listening, Bluetooth® Multipoint connectivity and external connection jack.

Built-in pre-programmed analog and digital two-way communication radio

Headset-to-headset communication with ability to be used with similar PMR radio communication systems. 32 pre-programmed PMR/DMR 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 (IP68)

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 used with similar PMR radio communication systems.
- DMR compatible.

- 32 pre-programmed PMR/DMR radio channels in 446 MHz frequency range.
- 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.
- * up to 17 hours with the power save feature activated

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	SAP ID
MT73H7A4D10EU GB	WS™ LiteCom Pro III GB Headset, headband1	7100153423
MT73P3E4D10EU GB	WS™ LiteCom Pro III GB Headset, helmet att.	7100153479
MT73H7B4D10EU GB	WS™ LiteCom Pro III GB Headset, neckband	7100153481



MT73H7A4D10EU GB



MT73H7P3E4D10EU GB



MT73H7B4D10EU GB

Articles & Accessories

Article number	Description	SAP ID
MT90-02	Throat microphone for WS™ LiteCom Pro III Headset	7000040037
ACK081	Rechargeable Li-Ion batterypack (only for WS™ LiteCom Pro III, Non Ex)	7100075380
AL2AI	Charge cable for AL2AI	1100001933
FR08	Power Supply for AL2AI	7000108521
FL5602	External PTT for WS™ LiteCom Pro III Headset Non Ex only	7000107893
M60/2	Wind shield for surround mic	7000039650
HY83	Hygiene kit	7100113964
HYM1000	Hygiene tape for boom mic, black	7100064281
M171/2	Wind protector for mic, 2 pcs	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:	PMR 403-470 MHz
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 sensitivity:	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)

*up to 17 hours with the power save feature activated

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



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Laboratory Attenuation

MT73H7A4D10EU GB

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=25 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 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.

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.

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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