

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

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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.



3M Personal Safety Division
 3M Svenska AB, Box 2341
 SE-331 02 Värnamo
 Sweden
 Internet: www.3M.com/PELTOR
 Email: cstechservice@mmm.com
 Phone: +46 (0)370-65 65 00

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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

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