

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.



MT73H7A4D10EU



Hearing protection with built in two-way radio



Hearing protection for communicating with external communication devices.



Hearing protection with level-dependent function for ambient listening



Digital two way radio according to DMR standard.



Bluetooth® Technology

Models:

Article number	Description	3M ID	SAP ID
MT73H7A4D10EU	3M™ PELTOR™ WS™ LiteCom Pro III Headset, 403-470 MHz, Analog/Digital, EU version, Headband	UU008013599	7100098910
MT73H7P3E4D10EU	3M™ PELTOR™ WS™ LiteCom Pro III Headset, 403-470 MHz, Analog/Digital, EU version, Helmet attachment	UU008014241	7100098974
MT73H7B4D10EU	3M™ PELTOR™ WS™ LiteCom Pro III Headset, 403-470 MHz, Analog/Digital, EU version, Neckband	UU008013607	7100098956

Accessories and Spare parts

MT90-02	Throat microphone for WS™ LiteCom Pro III Headset	XL001644068	7000040037
ACK081	Rechargeable Li-Ion battery pack (only for WS™ LiteCom Pro III, Non Ex)	XH001680541	7100075380
AL2AI	Charge cable for ACK081	11003074017	1100001933
FR08	Power Supply for AL2AI	XH001680194	7000108521
FL5602	External PTT for WS™ LiteCom Pro III Headset Non Ex only	XH001654561	7000107893
M60/2	Wind shield for surround mic	XH001652532	7000039650
HY83	Hygiene kit	UU008197921	7100113964
HYM1000	Hygiene tape for boom mic	XH001651328	7100064281
M171/2	Wind protector for mic, 2 pcs	UU008159483	7100112112

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:	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 conditions:	-20° C - +55° C, <90% humidity
Recommended max. shelf life:	Headset: 3 years Battery: 1 year

Use limitation: Never modify or alter this product

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

Laboratory Attenuation

MT73H7A4D10EU EN352-1:2002

f (Hz)	125	250	500	1000	2000	4000	8000	SNR
M _r (dB)	19.3	25.0	34.8	37.4	36.1	40.4	36.4	33
s _r (dB)	2.5	1.9	2.6	3.5	3.7	2.4	4.0	
APV _r (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 EN352-1:2002

f (Hz)	125	250	500	1000	2000	4000	8000	SNR
M _r (dB)	17.7	23.9	32.5	36.2	35.6	39.5	37.1	32
s _r (dB)	2.8	3.1	3.9	3.1	2.5	2.9	2.3	
APV _r (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 EN352-3:2002

f (Hz)	125	250	500	1000	2000	4000	8000	SNR
M _r (dB)	18.1	23.2	32.0	36.4	34.2	40.2	34.5	32
s _r (dB)	3.3	1.8	3.4	2.7	1.9	2.5	4.6	
APV _r (dB)	14.8	21.4	28.6	33.7	32.3	37.7	29.9	

H=33 dB M=30 dB L=23 dB

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.



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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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