



PELTOR™

Peltor™ LiteCom Pro II

MT7H7*4010-EU, non IS version

Product Description

3M™ Peltor™ LiteCom Pro II is a hearing protector with built in programmable 2-way communication radio 403-470 MHz, a level dependent function for ambient listening and an external audio input. The headset has a voice guided menu system to facilitate navigation as well as giving information about actual battery charge status.

Article number	Description	3M ID no
MT7H7A4010-EU	LiteCom Pro II 403-470 MHz headband	XH001680699
MT7H7B4010-EU	LiteCom Pro II 403-470 MHz neckband	XH001680715
MT7H7P3E4010-EU	LiteCom Pro II 403-470 MHz helmet att.	XH001680731

Key Features

- 2-way radio communication
- Level dependent function for ambient listening in stereo
- Rechargeable battery, Li-Ion
- Voice operated transmission (VOX)
- Busy channel indication
- Auto power off function
- Low battery warning

Applications

- Industry
- Transportation
- Forestry

Standards and Approval

3M Peltor LiteCom Pro II are in conformity with the provisions set out in the PPE directive 89/686/EEC, the R&TTE directive 1999/5/EC and the RoHS directive 2011/65/EU. Thereby they fulfil the requirements for CE marking.

The product has been tested and approved in accordance with EN 352-1:2002 / EN352-3:2002, EN 352-4:2001 +A1:2005, EN 352-6:2002, EN 300 220-2 V2.3.1, EN 300 296-2 V1.3.1, EN 301 489-1 V1.8.1, EN 301 489-3 V1.4.1, EN 301 489-5 V1.3.1, EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011, EN 62479:2010 and EN50581:2012.



3M™ Peltor™ Technical Datasheet

Technical data specifications

Model	Weight
MT7H7A4010-EU	with ACK081: 540 g
MT7H7B4010-EU	with ACK081: 540 g
MT7H7P3E4010-EU	with ACK081: 540 g

Materials:

Headband: Stainless steel with leather covered headband

Neckband: Stainless steel with POE cover

Helmet attachment: Stainless steel

Cups: ABS

Ear cushions: PVC/PUR

Frequency range: 403 – 470 MHz

Operation mode: Simplex

Channels: Max. 30

Channel raster: 3,125 kHz and 2,5 kHz

Channel separation: 12,5 kHz, 20 kHz and 25 kHz

Modulation: 2,5 kHz, 4 kHz and 5 kHz (FM), FM (16K0F3E / 8K50F3E)

Microphone type: Dynamic (MT7)

Receiver sensitivity: Typical -122 dBm

Subtones: Programmable (and supports CTCSS and DCS)

Output power: 200 / 20 / 10 mW ERP

Range: Outdoors up to 3 km depending on conditions

Power consumption: Stand-by: ca 55 mA, Receiving: ca 65 mA

Power: Li-Ion battery ACK081, included in delivery

Charging time: approx. 5-6 hours

Capacity: 3,7 V, 1800 mA, 5 Wh

Transmission: Low power: ca 100 mA
Medium power: ca 115 mA
High power: ca 200 mA

Operating time at conditions 10/10/80 TX/RX/Standby at 20°C:

Hi output power: ca 19 hours

Mid output power: ca 21 hours

Low output power: ca 22 hours

Operating temperature: -20°C to +50°C

Storage temperature: -40°C to +55°C

Attenuation

MT7H7A4010-EU (headband)

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	20,4	19,2	25,8	33,4	36,0	36,4	40,3	41,4
St. dev. (dB)	3,9	2,5	3,4	2,2	2,2	3,3	2,9	2,9
APValue (84%)	16,5	16,7	22,4	31,2	33,8	33,2	37,4	38,5

SNR=34 dB H=35 dB M=31 dB L=24 dB

MT7H7B4010-EU (neckband)

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	20,5	18,3	24,8	32,7	36,2	35,3	39,5	39,4
St. dev. (dB)	4,0	3,0	2,8	2,8	3,6	2,5	3,5	2,7
APValue (84%)	16,5	15,2	22,0	29,8	32,6	32,8	36,0	36,7

SNR=33 dB H=34 dB M=30 dB L=23 dB

MT7H7P3E4010-EU (helmet attachment)

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	18,6	18,8	23,8	31,1	37,2	35,5	38,2	36,5
St. dev. (dB)	4,1	2,5	2,0	2,6	3,1	2,0	2,1	4,2
APValue (84%)	14,5	16,4	21,8	28,6	34,1	33,5	36,1	32,3

SNR=33 dB H=34 dB M=30 dB L=23 dB

Important Notice

3M does not accept liability of any kind, be it direct or consequential (including, but not limited to, loss of profits, business and/or goodwill) arising from reliance upon any information herein provided by 3M.

The user is responsible for determining the suitability of the products for their intended use. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.

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 full warranty condition, contact your dealer or local 3M office.

Recommended max. shelf life: 5 years (product), <1 year (battery)

Use limitation: Never modify or alter this product