



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

MT7H7A4010-EU

MT7H7B4010-EU

MT7H7P3E4010-EU

### Description

LiteCom Pro II 403-470 MHz headband

LiteCom Pro II 403-470 MHz neckband

LiteCom Pro II 403-470 MHz helmet att.

### 3M ID no

XH001680699

XH001680715

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.



**C+HC Computer + Headset Company GmbH**

Die Headset Spezialisten

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# 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

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

**Use limitation:** Never modify or alter this product

## 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.





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