

Technical data sheet



Product: PELTOR LiteCom
Manufacturer: 3M DEUTSCHLAND GMBH
Product group: ARBEITSSCHUTZ
Article group: GEHÖRSCHUTZ
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3M™ PELTOR™ LITECOM™ HEADSET

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Tewipack Uhl GmbH
Industriestraße 15
D-75382 Althengstett

Telephone:
+49(0)7051/9297-0
Fax:
+49(0)7051/9297-99

E-Mail:
info@tewipack.de
Website:
www.tewipack.de

Managing director:
Alexander Uhl,
Michael Uhl
HRB 330424
Amtsgericht
Stuttgart

Bank details:
Sparkasse
Sindelfingen
Pforzheim
Calw
BLZ 666 500
85
Konto 17 787

Commerzbank
Sindelfingen
BLZ 603 400 71
Konto 8 001 166

Vereinigte
Volksbank AG
Böblingen
BLZ 603 900 00
Konto 80 089
003

Postbank
Stuttgart
BLZ 600 100
70
Konto 146
294 708



3M™ PELTOR™ LiteCom Plus Headset

Pre-programmed Analog 2-way Radio Headset

Product Description

The 3M™ PELTOR™ LiteCom Plus Headset is the next generation protective communication solution. With an integrated, pre-programmed analog two-way radio, noise-cancelling microphone, and level-dependent function for ambient listening, the LiteCom Plus 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.



MT73H7P3E4410EU



MT73H7A4410EU

Key Features

- Pre-programmed analog two-way radio communication
- 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 Lock out (BCLO)
- External connection jack
- Auto power off function
- Battery status indication
- IP54 in use



Hearing protection with built in two-way radio



Noise cancelling boom microphone for clear speech transmission in noisy environments



Hearing protection with level-dependent function for ambient listening



External jack for communicating with external communication devices

Applications

The 3M™ PELTOR™ LiteCom Plus Headset offers wireless communication in noisy environments. Suitable for work in industrial, construction and ground handling applications, when 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 and/or UKCA 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.

Table 1: Models

Article number	Description	3M ID	SAP ID
MT73H7A4410EU	3M™ PELTOR™ LiteCom Plus PMR446 MHz, Analog, EU version, Headband	UU011019245	7100229259
MT73H7P3E4410EU	3M™ PELTOR™ LiteCom Plus PMR446 MHz, Analog, EU version, Helmet attachment	UU011019229	7100229277

Table 2: Accessories and Spare parts

Article number	Description	3M ID	SAP ID
MT9-02	3M™ PELTOR™ Throat microphone for LiteCom Plus Headset	UU013773062	7100379897
ACK081B/1	3M™ PELTOR™ Rechargeable Li-Ion batterypack	UU013044324	7100330766
AL2AI/SP	3M™ PELTOR™ Charge cable for ACK081	UU004895189	7100088372
FR08	3M™ PELTOR™ Power Supply for AL2AI/SP	XH001680194	7000108521
FL4602-50	3M™ PELTOR™ External PTT for LiteCom Plus Headset	UU013659022	7100373570
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
HY80	3M™ PELTOR™ Replacement Gel Ear Cushions	70071524139	7000127268
FL6BR	3M™ PELTOR™ Connecting cable for external PTT Adapter	XH001652029	7100016085
MT7V/1	3M™ PELTOR™ Dynamic mic for Versaflo M300 serie	UU008014308	7100099097

Technical data specifications

Table 3: Technical data specifications

Model	Weight (with ACK081B)
Headband	Approx. 449 g, 509 g (with gel cushion)
Helmet attachment	Approx. 472 g, 532 g (with gel cushion)

Table 4: Built-in Two-way Radio

Frequency range	PMR 446 MHz
Operation mode	Half-duplex
Channel capacity	16
Channel spacing	12,5 kHz
Modulation	Analog: 2,5kHz (FM)
Microphone type	Dynamic (MT73)
Receiver sensitivity	Typical -120 dBm
Privacy Codes (subchannel)	121 codes (CTCSS 38, DCS 83)
Output power	Hi 150mW Lo 25mW
Range	Outdoors up to 2 km depending on conditions
Operating temperature	-20°C to +50°C

Table 5: Power

Li-Ion battery	ACK081B included in delivery
Charging time	approx. 4 hours
Capacity	3,7 V, 2150 mAh, 8Wh
Operating time	Up to 21 hours (80 stby / 10 tx / 10 rx)

Table 6: Storage

Recommended storage conditions	-20° C - +40° C, <90% humidity
Recommended max. shelf life	5 years except the batteries, <1 year

Laboratory Attenuation (EN352-1:2020)

Table 7: MT73H7A4410EU

f (Hz)	125	250	500	1000	2000	4000	8000	SNR
M_f (dB)	17,1	25,6	34,5	34,5	36,6	39,6	38,3	34
s_f (dB)	2,4	1,2	3,0	2,8	2,1	3,0	3,1	
APV_f (dB)	14,7	24,4	31,5	31,7	34,5	36,6	35,2	

H=36 dB; M=32 dB; L=24 dB

Table 8: MT73H7P3E4410EU

f (Hz)	125	250	500	1000	2000	4000	8000	SNR
M_f (dB)	18,9	23,8	30,2	35,9	34,5	35,5	33,9	31
s_f (dB)	3,7	3,3	3,6	2,4	3,1	4,1	3,8	
APV_f (dB)	15,2	20,5	26,6	33,5	31,4	31,4	30,1	

H=32 dB; M=29 dB; L=23 dB

Table 9: MT73H7A4410EU with gel cushion

f (Hz)	125	250	500	1000	2000	4000	8000	SNR
M_f (dB)	15,3	23,0	35,6	37,1	38,1	41,1	38,3	33
s_f (dB)	2,7	2,0	2,9	2,2	2,1	3,2	2,1	
APV_f (dB)	12,6	21,0	32,7	34,9	36,0	37,9	36,2	

H=37 dB; M=31 dB; L=21 dB

Table 10: MT73H7P3E4410EU with gel cushion

f (Hz)	125	250	500	1000	2000	4000	8000	SNR
M_f (dB)	19,0	22,4	29,6	38,1	35,1	39,6	38,2	31
s_f (dB)	4,7	3,0	3,5	2,5	3,1	4,8	4,4	
APV_f (dB)	14,3	19,4	26,1	35,6	32,0	34,8	33,8	

H=34 dB; M=29 dB; L=22 dB

User limitation: Never modify or alter this product**In the box**

- 1 x 3M™ PELTOR™ LiteCom Plus Headset
- 1 x Battery (ACK081B)
- 1 x Hygiene kit HY83
- 1 x Mic Tape HYM1000-100
- 1 x User instruction



These hearing protectors help reduce exposure to hazardous noise and other loud sounds. **Misuse or failure to wear hearing protection at all times that you are exposed to noise may result in hearing loss or injury.** For correct use, consult supervisor and User Instruction, or call 3M PSD Technical Service in the USA at 1-800-665-2942.

 **WARNING**

3M strongly recommends personal fit testing of hearing protectors. Research suggests that users may receive less noise reduction than indicated by the attenuation label value(s) on the packaging due to variation in fit, fitting skill, and motivation of the user. Refer to applicable regulations for guidance on how to adjust attenuation label values. In the absence of applicable regulations, it is recommended that the SNR be reduced to better estimate typical protection.

 **IMPORTANT**

The 3M™ PELTOR™ LiteCom Plus 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.

Warranty and Important Notice

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

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. 3M acknowledges the respective Trademark Owners' rights in this literature.



Personal Safety Division

3M Svenska AB, Box 2341
SE-331 02 Värnamo
Sweden
www.3M.com/PELTOR

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