

## 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.

### 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



MT73H7P3E4410EU



MT73H7A4410EU

### 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 marking. The full text of the EU declaration of conformity is available at the following internet address: [www.3M.com/PELTOR/DOC](http://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.



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.

### 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 attach.	UU011019229	7100229277

### Accessories and Spare parts

MT90-02	3M™ PELTOR™ Throat microphone for LiteCom Plus Headset	XL001644068	7000040037
ACK081	3M™ PELTOR™ Rechargeable Li-Ion battery pack (only for LiteCom Plus Headset, Non Ex)	XH001680541	7100075380
AL2AI	3M™ PELTOR™ Charge cable for ACK081	11003074017	1100001933
FR08	3M™ PELTOR™ Power Supply for AL2AI	XH001680194	7000108521
FL5602-50	External PTT for 3M™ PELTOR™ LiteCom Plus Headset	XH001654579	7000039666
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

# Technical data specifications

## Technical data specifications

Model	Weight (with ACK081)
Headband:	Approx. 449 g, 509 g (with gel cushion)
Helmet attachment:	Approx. 472 g, 532 g (with gel cushion)

### Built-in Two-way Radio

Frequency range:	PMR 446 MHz
Operation mode:	Simplex
Channels:	16 PMR446MHz Analog
Channel separation:	12,5 kHz
Modulation:	Analog: FM
Microphone type:	Dynamic (MT73)
Receiver sensibility:	Typical -120 dBm
Selective squelch:	Programmable (supports CTCSS and DCS)
Output power:	<b>PMR</b> Hi 150mW    Lo 25mW
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 20 hours (90 stby / 5 tx / 5 rx)

### Storage

Recommended storage conditions:	-20° C - +55° C, <90% humidity
Recommended max. shelf life:	5 years except the batteries, <1 year

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

## In the box

- 1 x 3M™ PELTOR™ LiteCom Plus Headset.
- 1 x Battery (ACK081)
- 1 x Power supply FR08
- 1 x Cable AL2AI (for ACK081)
- 1 x Hygiene kit HY83
- 1 x Mic Tape HYM1000-100
- 1 x User instruction

**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.

## Laboratory Attenuation (EN352-1:2002)

### MT73H7A4410EU

f (Hz)	125	250	500	1000	2000	4000	8000	SNR
M <sub>f</sub> (dB)	17,1	25,6	34,5	34,5	36,6	39,6	38,3	33
s <sub>f</sub> (dB)	2,4	1,2	3,0	2,8	2,1	3,0	3,1	
APV <sub>f</sub> (dB)	14,7	24,4	31,5	31,7	34,5	36,6	35,2	

H=35 dB    M=31 dB    L=24 dB

### MT73H7P3E4410EU

f (Hz)	125	250	500	1000	2000	4000	8000	SNR
M <sub>f</sub> (dB)	18,9	23,8	30,2	35,9	34,5	35,5	33,9	31
s <sub>f</sub> (dB)	3,7	3,3	3,6	2,4	3,1	4,1	3,8	
APV <sub>f</sub> (dB)	15,2	20,5	26,6	33,5	31,4	31,4	30,1	

H=32 dB    M=29 dB    L=22 dB

### MT73H7A4410EU with gel cushion

f (Hz)	125	250	500	1000	2000	4000	8000	SNR
M <sub>f</sub> (dB)	15,3	23,0	35,6	37,1	38,1	41,1	38,3	33
s <sub>f</sub> (dB)	2,7	2,0	2,9	2,2	2,1	3,2	2,1	
APV <sub>f</sub> (dB)	12,6	21,0	32,7	34,9	36,0	37,9	36,2	

H=37 dB    M=31 dB    L=24 dB

### MT73H7P3E4410EU with gel cushion

f (Hz)	125	250	500	1000	2000	4000	8000	SNR
M <sub>f</sub> (dB)	19,0	22,4	29,6	38,1	35,1	39,6	38,2	31
s <sub>f</sub> (dB)	4,7	3,0	3,5	2,5	3,1	4,8	4,4	
APV <sub>f</sub> (dB)	14,3	19,4	26,1	35,6	32,0	34,8	33,8	

H=34 dB    M=29 dB    L=21 dB

### WARNING!

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.

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.



### 3M Personal Safety Division

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3M PSD Products are for occupational use only.

### 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

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