



**PELTOR™**  
Protection & Communication

3M™ PELTOR™ WS™ LiteCom Plus

# Smart solutions, Easy communication

Hearing protection with integrated analog two-way radio enables headset-to-headset communication and can be integrated with similar professional radio communication systems. Can be used on PMR446 or LPD 433MHz frequencies. Includes Bluetooth® enabled multipoint connectivity for simultaneous seamless connection. The level-dependent function helps you to hear important sounds from the surroundings and communicate with people standing close by without compromising your hearing protection.

3M Science. Applied to life.™

# Smart Solutions, Easy Communication

3M™ PELTOR™ WS™ LiteCom Plus Headset is a hearing protector with built-in analog two-way communication radio, a level-dependent function for ambient listening, Bluetooth® Multipoint connectivity and external connection jack.





### Easy To Use

- Noise attenuating headset helps provide hearing protection in environments with potentially hazardous noise.
- Voice Operated Transmission (VOX) facilitates hands-free operation.
- External Connection Jack provides the possibility to connect an external communication device via a cable.
- Five conveniently positioned function keys and voice guided menus (with multiple language selection) to handle all modes and settings.
- Push-to-Listen quick activation of Level-dependent function

### Bluetooth® Technology

- Multipoint, for simultaneous, seamless connection to up to two external devices using Bluetooth® technology.

### Built-in two-way communication radio

- Headset-to-headset communication on 16 channels on PMR446 MHz or 69 channels on LPD433 MHz
- Analog radio selective squelch function with CTCSS tones allows multiple users to work on the same channel without listening to each other's communication.

### Long range, Low power

- Range with maximum output power is up to 2 km outdoors depending on actual conditions.
- Operating time is up to 18 hours, using the 3M™ PELTOR™ ACK081 Battery.

### Situational awareness with level dependent function

- The level-dependent function helps you hear important sounds from the surroundings and to communicate with people standing close by in a noisy environment, without compromising your hearing protection.



MT73H7A4410WS6EU  
MT73H7A4310WS6EU

MT73H7P3E4410WS6EU  
MT73H7P3E4310WS6EU

MT73H7B4410WS6EU  
MT73H7B4310WS6EU

## Headset Models

Article number	Description	3M ID	SAP ID
MT73H7A4410WS6EU	3M™ PELTOR™ WS™ LiteCom Plus PMR446 MHz, Analog, EU version, Headband	UU010265385	7100204388
MT73H7P3E4410WS6EU	3M™ PELTOR™ WS™ LiteCom Plus PMR446 MHz, Analog, EU version, Helmet attach.	UU010265393	7100204418
MT73H7B4410WS6EU	3M™ PELTOR™ WS™ LiteCom Plus PMR446 MHz, Analog, EU version, Neckband	UU010245882	7100201938
MT73H7A4310WS6EU	3M™ PELTOR™ WS™ LiteCom Plus LPD433 MHz, Analog, EU version, Headband	UU010265401	7100204419
MT73H7P3E4310WS6EU	3M™ PELTOR™ WS™ LiteCom Plus LPD433 MHz, Analog, EU version, Helmet attach.	UU010265922	7100204422
MT73H7B4310WS6EU	3M™ PELTOR™ WS™ LiteCom Plus LPD433 MHz, Analog, EU version, Neckband	UU010265914	7100204420

## Articles & Accessories

Article number	Description	3M ID	SAP ID
MT90-02	3M™ PELTOR™ Throat microphone for WS™ LiteCom Plus Headset	XL001644068	7000040037
ACK081	3M™ PELTOR™ Rechargeable Li-Ion battery pack (only for WS™ 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	3M™ PELTOR™ External PTT for WS™ LiteCom Plus Headset Non Ex only	XH001654561	7000107893
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
HY80A	3M™ PELTOR™ Replacement Gel Ear Cushions	UU008159483	7100112112



# 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)
Neckband:	Approx. 434 g, 493 g (with gel cushion)

### Built-in Two-way Radio

Frequency range:	PMR 446 MHz or LPD 433 MHz
Operation mode:	Simplex
Channels:	16 PMR446MHz Analog 69 LPD433MHz 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> <b>LPD</b> Hi 150mW    10mW 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 18 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

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

### In the box

- 1 x 3M™ PELTOR™ WS™ 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

The 3M™ PELTOR™ WS™ 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.

**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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## Laboratory Attenuation (EN352-1:2002)

### MT73H7A4410WS6EU, MT73H7A4310WS6EU

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

### MT73H7B4410WS6EU, MT73H7B4310WS6EU

f (Hz)	125	250	500	1000	2000	4000	8000	SNR
M <sub>y</sub> (dB)	14,9	24,0	32,7	32,5	36,2	40,4	39,1	31
s <sub>y</sub> (dB)	2,5	2,0	3,2	2,8	3,4	3,9	3,2	
APV <sub>y</sub> (dB)	12,4	22,0	29,5	29,7	32,8	36,5	35,9	

H=34 dB M=29 dB L=21 dB

### MT73H7P3E4410WS6EU, MT73H7P3E4310WS6EU

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

### MT73H7A4410WS6EU, MT73H7A4310WS6EU with gel cushion

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

### MT73H7B4410WS6EU, MT73H7B4310WS6EU with gel cushion

f (Hz)	125	250	500	1000	2000	4000	8000	SNR
M <sub>y</sub> (dB)	14,6	22,7	33,5	36,9	37,5	41,7	39,3	32
s <sub>y</sub> (dB)	2,2	1,9	2,3	3,1	4,0	2,7	1,8	
APV <sub>y</sub> (dB)	12,4	20,8	31,2	33,8	33,5	39,0	37,5	

H=36 dB M=30 dB L=21 dB

### MT73H7P3E4410WS6EU, MT73H7P3E4310WS6EU with gel cushion

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

## 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.

### 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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