3M™ PELTOR™ WS™ LiteCom Plus Headset

Pre-programmed Analog 2-way Radio Headset

MT73H7A4410WS6EU

Product Description

The 3M™ PELTOR™ WS™ LiteCom Plus Headset is the next generation protective communication solution. With an integrated, pre-programmed analog two-way radio, Bluetooth® Multipoint connectivity, noise-cancelling microphone, and level-dependent function for ambient listening, the WS™ 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
- Bluetooth® multipoint functionality
- 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 indication
- External connection jack
- Auto power off function
- Battery status indication
- IP54 in use

Applications

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

External jack for communicating with external communication devices.

Hearing protection with level-dependent function for ambient listening

Bluetooth® MultiPoint technology for connection to one or two external devices for hands-free talk and streaming

Bluetooth® Technology

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

Accessories and Spare parts

MT90-02	3M™ PELTOR™ Throat microphone for WS™ LiteCom Plus Headset	XL001644068	7000040037
ACK081	3M™ PELTOR™ Rechargeable Li-Ion batterypack (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:	**PMR** Hi 150mW Lo 25mW **LPD** 10mW
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

User 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

Laboratory Attenuation (EN352-1:2002)

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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	
s_f (dB)	2,4	1,2	3,0	2,8	2,1	3,0	3,1	33
APV_f (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_f (dB)	14,9	24,0	32,7	32,5	36,2	40,4	39,1	
s_f (dB)	2,5	2,0	3,2	2,8	3,4	3,9	3,2	31
APV_f (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_f (dB)	18,9	23,8	30,2	35,9	34,5	35,5	33,9	
s_f (dB)	3,7	3,3	3,6	2,4	3,1	4,1	3,8	31
APV_f (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_f (dB)	15,3	23,0	35,6	37,1	38,1	41,1	38,3	
s_f (dB)	2,7	2,0	2,9	2,2	2,1	3,2	2,1	33
APV_f (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_f (dB)	14,6	22,7	33,5	36,9	37,5	41,7	39,3	
s_f (dB)	2,2	1,9	2,3	3,1	4,0	2,7	1,8	32
APV_f (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_f (dB)	19,0	22,4	29,6	38,1	35,1	39,6	38,2	
s_f (dB)	4,7	3,0	3,5	2,5	3,1	4,8	4,4	31
APV_f (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! 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.
3M PSD products are occupational use only.

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.

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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

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DS17052 rev. a 3M™ PELTOR™ Global Marketing Communication, Värnamo