



3M™ PELTOR™ WS™ LiteCom Plus Headset

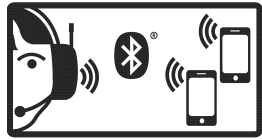
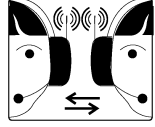


Product Description

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

				
Bluetooth® technology for connection to one external device for hands free talk and streaming	External jack for communicating with external communication devices	Bluetooth® MultiPoint technology for connection to one or two external devices for hands-free talk and streaming	Hearing protection with built-in two-way radio	Level-dependent function for ambient listening to help improve auditory situational awareness

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 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.

Models

Table 1:

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

Table 2:

Article number	Description	3M ID	SAP ID
MT9-02	3M™ PELTOR™ Throat microphone for WST™ LiteCom Plus Headset	UU013773062	7100379897
ACK081B/1	3M™ PELTOR™ Rechargeable Li-Ion battery pack	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 WST™ 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 Specification

Table 3:

Model	Weight (with ACK081B)
Headband:	Approx. 449 g (with foam cushion)
	Approx. 509 g (with gel cushion)
Neckband:	Approx. 434 g (with foam cushion)
	Approx. 493 g (with gel cushion)
Helmet attachment:	Approx. 472 g (with foam cushion)
	Approx. 532 g (with gel cushion)

Built-in Two-way Radio

Frequency range:	PMR 446 MHz or LPD 433 MHz
Operation mode:	Half-duplex
Channel capacity:	PMR 16; LPD 69
Channel Spacing:	PMR 12,5 kHz; LPD 25 kHz
Modulation:	Analog PMR 2,5 kHz (FM); LPD 5 kHz (FM))
Receiver sensitivity:	Typical -120 dBm
Privacy Codes (subchannel):	121 codes (CTCSS 38, DCS 83)
Output power:	PMR: Hi 150mW; Lo 25 mW; LPD: 10mW
Range:	Outdoors up to 2km depending on conditions
Operating temperature:	-20°C to +50°C
Microphone type:	Dynamic (MT73)

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 tx

Storage

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

User limitation: Never modify or alter this product.

Included in the box:

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

Laboratory Attenuation (EN 352-1:2020)

Table 4: MT73H7A4410WS6EU, MT73H7A4310WS6EU

f(Hz)	125	250	500	1000	2000	4000	8000	H	M	L	SNR
Mean Value (dB)	17,1	25,6	34,5	34,5	36,6	39,6	38,3	37.2	32.9	25.4	34.7
Standard Deviation (dB)	2,4	1,2	3,0	2,8	2,1	3,0	3,1	1.4	1.2	1.7	1.1
Assumed Protection Value(dB)	14,7	24,4	31,5	31,7	34,5	36,6	35,2	36	32	24	34

Table 5: MT73H7B4410WS6EU, MT73H7B4310WS6EU

f(Hz)	125	250	500	1000	2000	4000	8000	H	M	L	SNR
Mean Value (dB)	14,9	24,0	32,7	32,5	36,2	40,4	39,1	36.6	31.0	23.3	33.1
Standard Deviation (dB)	2,5	2,0	3,2	2,8	3,4	3,9	3,2	2.3	1.4	2.0	1.3
Assumed Protection Value(dB)	12,4	22,0	29,5	29,7	32,8	36,5	35,9	34	30	21	32

Laboratory Attenuation (EN 352-3:2020)

Table 6: MT73H7P3E4410WS6EU, MT73H7P3E4310WS6EU

f(Hz)	125	250	500	1000	2000	4000	8000	H	M	L	SNR
Mean Value (dB)	18,9	23,8	30,2	35,9	34,5	35,5	33,9	39.1	32.4	23.3	34.3
Standard Deviation (dB)	3,7	3,3	3,6	2,4	3,1	4,1	3,8	1.7	1.2	2.2	1.1
Assumed Protection Value(dB)	15,2	20,5	26,6	33,5	31,4	31,4	30,1	37	31	21	33

Table 7: MT73H7A4410WS6EU, MT73H7A4310WS6EU with gel cushion

f(Hz)	125	250	500	1000	2000	4000	8000	H	M	L	SNR
Mean Value (dB)	15,3	23,0	35,6	37,1	38,1	41,1	38,3	38.6	31.8	22.6	33.7
Standard Deviation (dB)	2,7	2,0	2,9	2,2	2,1	3,2	2,1	2.6	1.5	1.7	1.5
Assumed Protection Value(dB)	12,6	21,0	32,7	34,9	36,0	37,9	36,2	36	30	21	32

Table 8: MT73H7B4410WS6EU, MT73H7B4310WS6EU with gel cushion

f(Hz)	125	250	500	1000	2000	4000	8000	H	M	L	SNR
Mean Value (dB)	14,6	22,7	33,5	36,9	37,5	41,7	39,3	34.6	31.5	25.1	32.9
Standard Deviation (dB)	2,2	1,9	2,3	3,1	4,0	2,7	1,8	3.1	2.2	2.6	2.2
Assumed Protection Value(dB)	12,4	20,8	31,2	33,8	33,5	39,0	37,5	32	29	23	31

Table 9: MT73H7P3E4410WS6EU, MT73H7P3E4310WS6EU with gel cushion

f(Hz)	125	250	500	1000	2000	4000	8000	H	M	L	SNR
Mean Value (dB)	19,0	22,4	29,6	38,1	35,1	39,6	38,2	36.3	31.3	24.4	33.2
Standard Deviation (dB)	4,7	3,0	3,5	2,5	3,1	4,8	4,4	2.1	2.1	2.7	1.9
Assumed Protection Value(dB)	14,3	19,4	26,1	35,6	32,0	34,8	33,8	34	29	22	31



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.



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 licenses 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.



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