

3M™ Peltor™ WS™ LiteCom Plus Headsets

Technical Data Sheet



Product Description

3M™ PELTOR™ WS™ LiteCom Plus with Bluetooth® opens up a world of communication with your built-in two-way radio headset at the hub. You become a mobile, hands-free communication center, the built-in two-way radio and wireless connections to your computer and cell phone. You can take your calls, or stream music thanks to electronics that let you switch easily between functions.

The level-dependent technology lets you hear ambient sounds such as external alarm signals or approaching vehicles. It also allows face to face communication at close distance. Robust design (IP54 certified), clear controls and an intuitive menu system.

Applications

The 3M™ Peltor™ WS™ LiteCom Plus earmuffs are ideal for a wide range of applications requiring wireless, hands free, 2-way radio communication in very noisy environments. Examples of typical applications include airports, construction, manufacturing as well as mining and utilities. Also, general industries with long production lines and maintenance.

Features

- Built in two-way radio communication
- Range of up to 3km depending on conditions
- 69 channels (LPD 433 MHz)
- 121 subchannels
- Connect different devices (radio, mobile phone) via Bluetooth® Multi-Point
- IP54 certified
- Level dependent function for ambient listening
- Rechargeable lithium-ion battery with 20 hours operating time
- Noise cancelling waterproof microphone (IP68)
- Voice operated transmission (VOX)
- Auto power off function
- Battery status indication
- Voice guided menu system
- Connects with
 - Bluetooth compatible devices
 - Two-way radio (via flex cable or Bluetooth®)

Standards

3M Svenska AB hereby declares that this 3M™ Peltor™ Headset is in compliance with the essential requirements and other provisions set out in the ACMA (Australian Communications and Media Authority) regulations. The product has been tested by an accredited laboratory in accordance with the requirements in AS/NZS 1270 and has met the specifications of hearing protectors Class 5. When selected, used and maintained as specified in AS/NZS 1269, this hearing protector may be used in noise up to 110 dB(A) assuming an 85 dB(A) criterion. A lower criterion may require a higher protector class.



MT73H7A4310WS6AZ



MT73H7P3E4310WS6AZ



MT73H7B4310WS6AZ

Specifications

Battery Type	3.7 V Li-Ion (ACK081)
Operating time	Up to 18 hours (90 stby / 5 tx / 5 rx)
Weight (incl. batteries)	449 g (headband) 472 g (helmet att.) 434 g (neckband)
Operating temperature	-20°C to +55°C (battery dependent)
Frequency range	433 MHz (LPD)
Operation mode	Simplex
Channels	Max 69
Channel raster	6,25 kHz
Channel separation	12,5 kHz
Modulation	FM: Analog
Microphone type	Noise cancelling Dynamic (MT73)
Receiver sensibility	Typical 120 dBm
Selective squelch	CTCSS (38 subchannels) DCS (83 codes)
Output power	10 mW
Range	Up to 3 km depending on conditions
Power consumption	Standby: <59 mA Receiving: <70 mA

3M™ Peltor™ WS™ LiteCom Plus Headset

Laboratory Attenuation Tables

MT73H7A4310WS6AZ WS LiteCom Plus, LPD 433, Bluetooth, Headband

Class 5	SLC80 32dB						
Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	25.5	26.2	37.8	43.1	39.0	41.8	40.0
Standard Deviation (dB)	3.0	2.5	3.4	2.7	2.7	3.2	3.2
Mean minus Standard Deviation (dB)	22.5	23.7	34.4	40.4	36.3	38.6	36.8

MT73H7P3E4310WS6AZ WS LiteCom Plus, LPD 433, Bluetooth, Helmet Attach*

Class 5	SLC80 31dB						
Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	24.8	25.1	35.8	40.2	38.4	41.2	40.3
Standard Deviation (dB)	3.3	3.0	3.9	2.8	3.1	2.6	4.7
Mean minus Standard Deviation (dB)	21.5	22.1	31.9	37.4	35.3	38.6	35.6

* Helmet attached headsets were tested with Protector HC600 industrial safety helmet using the P3G adapter

MT73H7B4310WS6AZ WS LiteCom Plus, LPD 433, Bluetooth, Neckband

Class 5	SLC80 30dB						
Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	24.8	25.1	35.8	40.2	38.4	41.2	40.3
Standard Deviation (dB)	3.3	3.0	3.9	2.8	3.1	2.6	4.7
Mean minus Standard Deviation (dB)	21.5	22.1	31.9	37.4	35.3	38.6	35.6

Ordering Information

Headsets

Model	Description	3M ID
MT73H7A4310WS6AZ	UU010265963	LiteCom Plus, 2-way LPD 433, headband
MT73H7P3E4310WS6AZ	UU010264578	LiteCom Plus, 2-way LPD 433, helmet attachment
MT73H7B4310WS6AZ	UU010265971	LiteCom Plus, 2-way LPD 433, neckband

Accessories

Model	Description	3M ID
ACK081	XH00168054	Lithium-Ion Battery
AL2AI	11003074017	Charging cable
FR08	XH001680194	Power supply
MT73/1	UU008163634	Waterproof Boom Mic
FL6BR	XH001652029	Connecting cable, J11
HY83	UU008197921	Hygiene Kit for LiteCom
HYM1000	XH001651328	Hygiene Tape (Black)



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WARNING! Hearing Protection Products*
 These hearing protectors help reduce exposure to hazardous noise and other loud sounds. Misuse or failure to wear hearing protectors at all times that you are exposed to noise may result in hearing loss or injury. For proper use, see supervisor, User instructions, or call 3M TechAssist Helpline 1800 024 464.

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