



# 3M™ PELTOR™ LiteCom Plus Headset

## Hearing Protection with Integrated 2-way Radio

### Product Description

The 3M™ PELTOR™ LiteCom Plus Headset is a next generation protective communication solution. With an integrated, pre-programmed analog two-way radio, noise-cancelling microphone, and environment 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 promote auditory situational awareness.

### Key Features

- Pre-programmed analog two-way radio communication
- Waterproof, noise-cancelling microphone (IP68)
- Environmental listening technology
- Voice menu with multiple language selection
- Push-to-Listen function
- Rechargeable battery, lithium-ion
- Voice Operated Transmission (VOX)
- External connection jack
- Auto power-off function
- Battery status indication
- Water-resistant design (IP54 when worn)



Hearing protection with built in two-way radio.



Noise-cancelling boom microphone for clear speech transmission in noisy environments.



Environmental-listening technology.



External jack for communicating with external communication devices.

### Applications

The 3M™ PELTOR™ LiteCom Plus Headset offers wireless communication in noisy environments. Suitable for work in a wide range of industrial applications, when hands-free communication and hearing protection are needed.



MT73H7B4610NA



MT73H7P3E4610NA



MT73H7A4610NA

### Models

Article Number	Description	3M ID
MT73H7A4610NA	3M™ PELTOR™ LiteCom Plus Headset, Headband	7100229187
MT73H7B4610NA	3M™ PELTOR™ LiteCom Plus Headset, Neckband	7100229215
MT73H7P3E4610NA	3M™ PELTOR™ LiteCom Plus Headband, Hard Hat Attached	7100228966

### Accessories and Spare Parts

MT90-02	3M™ PELTOR™ Throat microphone for LiteCom Plus Headset	7000040037
ACK081	3M™ PELTOR™ Rechargeable Li-Ion battery pack (only for LiteCom Plus Headset, Non Ex)	7100075380
AL2AI	3M™ PELTOR™ Charge cable for ACK081	1100001933
FR08	3M™ PELTOR™ Power Supply for AL2AI	7000108521
FL5602-50	External PTT for 3M™ PELTOR™ LiteCom Plus Headset	7000039666
M60/2	3M™ PELTOR™ Wind shield for surround mic	7000039650
HY83	3M™ PELTOR™ Hygiene kit	7100113964
HYM1000	3M™ PELTOR™ Hygiene tape for boom mic, black	7100064281
M171/2	3M™ PELTOR™ Wind protector for mic, 2 pcs	7100112112
HY80	3M™ PELTOR™ Replacement Gel Ear Cushions	7000127268

# Technical Data Specifications

Model	Weight (with ACK081)
<b>Headband:</b>	Approx. 449 g/15.8 oz, 509 g/17.9 oz (with gel cushion)
<b>Neck-band:</b>	Approx. 434 g/15.3 oz, 493 g/17.4 oz (with gel cushion)
<b>Hard hat attachment:</b>	Approx. 472 g/16.6 oz, 532 g/18.7 oz (with gel cushion)

## Built-in Two-way Radio

<b>Operation mode:</b>	Simplex
<b>Channels:</b>	22 FRS Channels - Analog
<b>Channel separation:</b>	12.5 kHz
<b>Modulation:</b>	Analog: FM
<b>Microphone type:</b>	Dynamic (MT73)
<b>Receiver sensibility:</b>	Typical -120 dBm
<b>Selective squelch:</b>	Programmable (supports CTCSS and DCS)
<b>Output power:</b>	Hi 150mW Lo 25mW
<b>Range:</b>	Up to 1.2 miles/2 km depending on conditions
<b>Operating temperature:</b>	-20° C/-4° F to +50° C/122° F

## Power

<b>Li-Ion battery:</b>	ACK081
<b>Charging time:</b>	approx. 4 hours
<b>Capacity:</b>	3.7 V, 1800mA, 6.7 Wh
<b>Operating time:</b>	Up to 20 hours (90 stby / 5 tx / 5 rx)

## Storage

<b>Recommended storage conditions:</b>	-20° C/-4° F to +55° C/131° F
<b>Recommended max. shelf life:</b>	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
- 1 x User Instruction

## Laboratory Attenuation (ANSI S3.19-1974)

### MT73H7A4610NA

Frequency (Hz) <i>f</i>	125	250	500	1000	2000	3150	4000	6300	8000	NRR*	CSA Class
<b>Mean Attenuation M <i>f</i> (dB)</b>	19.5	24.8	35.2	36.6	38.2	38	38	38.7	39.1	27	A
<b>Standard Deviation s <i>f</i> (dB)</b>	2.4	3.1	3	3.3	2.9	3.2	3.4	2.1	2.4		

### MT73H7B4610NA

Frequency (Hz) <i>f</i>	125	250	500	1000	2000	3150	4000	6300	8000	NRR*	CSA Class
<b>Mean Attenuation M <i>f</i> (dB)</b>	18	25.8	33.7	35.8	37.5	38.7	41	40.4	40.5	27	A
<b>Standard Deviation s <i>f</i> (dB)</b>	3.2	3	3.2	2.2	2.2	2.4	3.6	3.5	2.1		

### MT73H7P3E4610NA

Frequency (Hz) <i>f</i>	125	250	500	1000	2000	3150	4000	6300	8000	NRR*	CSA Class
<b>Mean Attenuation M <i>f</i> (dB)</b>	19.1	21.9	33.5	36.7	36.4	37.6	39.2	38.2	36.7	25	A
<b>Standard Deviation s <i>f</i> (dB)</b>	3.2	3	3.3	3.3	2.9	2.8	3.4	2.7	3.8		

### MT73H7A4610NA with Gel Cushions

Frequency (Hz) <i>f</i>	125	250	500	1000	2000	3150	4000	6300	8000	NRR*	CSA Class
<b>Mean Attenuation M <i>f</i> (dB)</b>	19.7	23.1	33.4	41	39.3	41.1	41.2	40.9	39	27	A
<b>Standard Deviation s <i>f</i> (dB)</b>	2.5	2.6	2.7	3	3.9	3.8	3.7	2	2.1		

### MT73H7B4610NA with Gel Cushions

Frequency (Hz) <i>f</i>	125	250	500	1000	2000	3150	4000	6300	8000	NRR*	CSA Class
<b>Mean Attenuation M <i>f</i> (dB)</b>	17.7	22.4	33.1	39.1	37.6	38.8	40.5	40.5	41.8	27	A
<b>Standard Deviation s <i>f</i> (dB)</b>	3	2.2	3.1	2.5	2.3	2.6	2.3	3.1	3.5		

### MT73H7P3E4610NA with Gel Cushions

Frequency (Hz) <i>f</i>	125	250	500	1000	2000	3150	4000	6300	8000	NRR*	CSA Class
<b>Mean Attenuation M <i>f</i> (dB)</b>	18.5	21.5	30.7	38.2	38	39.2	39.8	40.2	39.8	25	A
<b>Standard Deviation s <i>f</i> (dB)</b>	2.4	2.9	3.3	2.9	3	3.9	3.6	3	2.9		

### Warning

U.S. EPA specifies the NRR as the measure of hearing protector noise reduction. However, 3M makes no warranties as to the suitability of the NRR for this purpose. 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 or guidance on how to adjust attenuation label values. It is recommended that the NRR be reduced by 50% to better estimate typical protection.

### 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 Instructions, or call 3M PSD Technical Service in the USA at 1-800-665-2942 and in Canada at 1-800-267-4414.



## Personal Safety Division

3M Center, Building 235-2W-70  
St. Paul, MN 55144-1000

3M PSD products are occupational use only.

**3M Canada**  
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## In United States of America

Technical Service: 1-800-665-2942  
Customer Service: 1-800-328-1667  
3M.com/workersafety  
**In Canada**  
Technical Service: 1-800-267-4414  
Customer Service: 1-800-364-3577  
3M.ca/Safety

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