



Peltor Lite-Com

Lite-Com III, Lite-Com Basic



New Lite-Com

– For increased safety and performance

The Lite-Com is a high-performance hearing protector with a built-in communication radio for “hands free” short-range communication with other Lite-Com headsets and com radio devices on the same frequency. An auxiliary input allows you to connect a cellular phone or external com radio, regardless of frequency. For safety reasons, the “external” system has signal priority. You can also listen to the news or music by connecting a CD player or FM radio.

Lite-Com III

Listens to your surroundings

The Peltor Lite-Com III has a built-in active-volume function that allows you to hear ambient sounds like conversations, machine noises and warning signals. It is also possible to amplify weak sounds so you hear them better than you would without hearing protection. Two microphones capture ambient sounds and reproduce them in full stereo to give you an indication of where the sounds are coming from. Sudden impulse noises that exceed harmful levels are immediately attenuated. An electronic valve detects the noise and attenuates it to a safe level. When the noise subsides, the Lite-Com III automatically returns to the ambient listening function.

Logical to use

The right shell has a control panel with a large LCD display that shows current settings. The buttons are easily accessible and logically positioned. All commands follow a logical pattern and are easy to perform. Usually, one run-through with the manual is sufficient to learn the settings. An exclusive feature of the Lite-Com III is an electronic voice that tells you what settings you have entered so you don't have to remove the headset to check them. The headset automatically shuts off after two hours if no buttons are pressed, which eliminates the risk of batteries wearing out due to plain forgetfulness.



Unlimited two-way communication

The Peltor Lite-Com III is available in two basic models:

The LPD 433 communicates on 69 channels on the 433-434 MHz band. With an output of 10 mW, it has a range of up to one kilometer.

The PMR446 communicates on eight channels on the 446 MHz band. It has two output levels of 25 mW and 150 mW, and a range of up to two kilometers at the highest power. The PMR 446 version also has tone selective signaling for transmitting and receiving, which allows individual communication among several users on the same channel.



The Lite-Com product line includes two different versions: the Lite-Com III and the Lite-Com Basic. The Lite-Com III is available in two models for different frequencies: LPD (433.075-434.77 MHz) and PMR (446.00625-446.09375), while the Lite-Com Basic is only available in a PMR model.

Lite-Com Basic

Simple and user-friendly

The Lite-Com Basic is designed for those who want an easy-to-use hearing protector with a limited number of functions. You can control all the settings with only three buttons, which makes the Lite-Com Basic very user-friendly. In addition, an electronic voice confirms the settings you have chosen, allowing you to make adjustments without removing the headset.

Frequency band

This hearing protector is available only in the PMR 446 model, so like the Lite-Com III PMR 446, it communicates on eight channels on the 446 MHz band with output levels of 25 mW and 150 mW. At highest power, it has a range of up to two kilometers. The Lite-Com Basic also has tone selective signaling for transmitting and receiving, which allows individual communication among several users on the same channel.

For more information, see table/functions.



Peltor's Lite-Com product line is designed for you and your colleagues. The Lite-Com offers almost limitless possibilities for communication while protecting you against harmful noise.



| | | | |
|--|--|--|--|
| | Lite-Com III LPD 433 MT53H7*430B | Lite-Com III PMR 446 MT53H7*440B | Lite-Com Basic PMR 446 MT53H7*4400 |
|--|--|--|--|

Model data

| | | | |
|---|---------------|---------------|---------------|
| With headband (A) | MT53H7A430B | MT53H7A440B | MT53H7A4400 |
| With neckband (B) | MT53H7B430B | MT53H7B440B | MT53H7B4400 |
| With helmet attachment for PELTOR G22, G2000* (P3E) | MT53H7P3E430B | MT53H7P3E440B | MT53H7P3E4400 |

| | | | |
|----------------|-----------------------|---------------------------|---------------------------|
| Frequency | 433,075 - 434,775 MHz | 446,00625 - 446,09375 MHz | 446.00625 - 446,09375 MHz |
| Channels | 69 | 8 (x38 sub-channels) | 8 (x38 sub-channels) |
| Channel steps | 25 kHz | 12,5 kHz | 12,5 kHz |
| Deviation | Max. ± 6 kHz | Max. ± 2,5 kHz | Max. ± 2,5 kHz |
| Output | 10 mW ERP | 150 / 25 mW ERP | 150 / 25 mW ERP |
| Range—outdoors | up to nearly. 1000m | up to nearly. 2000 m | up to nearly. 2000 m |
| Traffic method | Simplex | Simplex | Simplex |

Power consumption using alkaline battery

| | | | |
|-------------------------------|------------------|----------------------|----------------------------------|
| Standby and reception | 80 - 100 mA | 80 - 100 mA | 60 – 70 mA |
| Transmission | approx. 160 mA | approx. 160 / 250 mA | approx. 110 mA (LO), 200 mA (HI) |
| Operating temperature/Storage | -20°C till +55°C | -20°C till +55°C | -20°C till +55°C |
| Storage temperature | -40°C till +55°C | -40°C till +55°C | -40°C till +55°C |

Weight (with batteries)

| | | | |
|-------------------------|-------|-------|-------|
| Headband (A) | 436 g | 436 g | 418 g |
| Helmet attachment (P3E) | 456 g | 456 g | 438 g |

Attenuation values, headband and neckband Lite-Com III

| Model | Frequency ¹ | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | H | M | L | SNR |
|----------------------------|--------------------------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| MT53H7*430B MT53H7*440B | Mean att. ² | 16.5 | 20.7 | 31.4 | 33.7 | 34.5 | 38.4 | 37.2 | | | | |
| | Stand. dev. ³ | 2.4 | 2.3 | 1.8 | 3.3 | 2.2 | 3.1 | 4.7 | | | | |
| | APV ⁴ | 14.1 | 18.4 | 29.6 | 30.4 | 32.3 | 35.3 | 32.5 | 33 dB | 28 dB | 21 dB | 31 dB |

Attenuation values, helmet combinations Lite-Com III

| Model | Frequency ¹ | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | H | M | L | SNR |
|----------------------------|--------------------------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| MT53P3E430B MT53P3E440B | Mean att. ² | 17.8 | 21.0 | 30.9 | 32.6 | 31.5 | 38.9 | 38.2 | | | | |
| | Stand. dev. ³ | 2.0 | 1.8 | 3.6 | 3.3 | 2.7 | 3.7 | 3.9 | | | | |
| | APV ⁴ | 15.8 | 19.2 | 27.3 | 29.3 | 28.8 | 35.2 | 34.3 | 31 dB | 28 dB | 22 dB | 30 dB |

Attenuation values, headband and neckband Lite-Com Basic

| Model | Frequency ¹ | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | H | M | L | SNR |
|-------------|--------------------------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| MT53H7A4400 | Mean att. ² | 13.8 | 21.5 | 30.9 | 36.6 | 35.9 | 35.5 | 39.0 | | | | |
| | Stand. dev. ³ | 1.8 | 0.9 | 1.3 | 1.5 | 5.5 | 3.1 | 2.3 | | | | |
| | APV ⁴ | 12.0 | 20.6 | 29.6 | 35.1 | 30.4 | 32.4 | 36.7 | 32 dB | 29 dB | 20 dB | 31 dB |

Attenuation values, helmet combinations Lite-Com Basic

| Model | Frequency ¹ | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | H | M | L | SNR |
|---------------|--------------------------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| MT53H7P3E4400 | Mean att. ² | 14.0 | 22.4 | 28.1 | 33.8 | 33.4 | 35.4 | 38.7 | | | | |
| | Stand. dev. ³ | 1.5 | 2.7 | 1.7 | 2.3 | 2.6 | 2.3 | 1.8 | | | | |
| | APV ⁴ | 12.5 | 19.7 | 26.4 | 31.5 | 30.8 | 33.1 | 36.9 | 33 dB | 28 dB | 20 dB | 30 dB |

ACCESSORIES

Hygiene Kit HY79

Easy to replace hygiene kit that includes two attenuation cushions, two foam rings and snap-in ear cushions. Replace at least twice per year to insure a constant level of attenuation, hygiene and comfort.

Clean—Single-use protector HY100

Single-use protectors that fit easily onto the ear cushions. Packages of 100 pairs.

Mike Protector—microphone protector HYM1000

Moisture, wind and hygiene protector that effectively protects the speech microphone and increases service life. Packages of 5 meters, about 50 replacements.

Wind protector for speech microphone M995

Effective protection against wind hiss. Increases service life and protects the speech microphone. One per package.

Wind protector for ambient microphones M60/2

Effective protection against wind hiss. One pair per package.

Accumulator battery ACK03

NiMH accumulator that can replace two standard 1.5 V type AA batteries in most Peltor products.

Battery charger FR03EU, FR03GB

Charger for Peltor NiMH accumulator ACK03.

Connector cords for external communication equipment

FL6BR Connector cord with Peltor's J11 (Nexus TP-120-type) contact for use with Peltor's FL5000-series adapters.

Can also be used for Peltor's rally intercom, service intercom, etc.

FL6BS Connector cord with 2-pole 2.5-mm contact. For listening to the com radio.

When transmitting or receiving with your Lite-Com radio, incoming signals from the external input are not attenuated.

FL6BT Connector cord with 2-pole 3.5-mm mono contact. For listening to the com radio.

When transmitting or receiving with your Lite-Com radio, incoming signals from the external input are not attenuated.

FL6CS Connector cord with a 3-pole 2.5-mm contact for use with DECT and mobile telephones.

FL6CT Connector cord with 3-pole 3.5-mm mono contact. For listening to the Peltor Workstyle environment radio, Walkman etc.

When transmitting or receiving with your Lite-Com radio, incoming signals from the external input are attenuated.

Cables for connection to communication radio

Contact your Peltor dealer for information.



| Functions | Lite-Com LPD 433 | Lite-Com PMR 446 | Lite-Com Basic |
|--|---------------------|---------------------|-------------------|
| SURROUND (Volume for ambient sounds) Adjust amplification of ambient sound with level selectors | X | X | |
| VOLUME Sound level of radio signal received by the Lite-Com. Five levels of amplification. | X | X | X |
| CHANNEL Sets channel for transmitting and receiving | X | X | X |
| VOX (voice-controlled transmission) Sets microphone sensitivity. Voice control can be switched off so that transmissions can only be keyed through the PTT button. | X | X | X |
| SQUELCH (hiss reduction) Sets sensitivity for hiss reduction. Six levels of adjustability. To disconnect hiss reduction, set in lowest position. | X | X | X |
| SUB CHANNEL (Tone selective transmission and reception) Tone selective transmission and reception means that certain low frequency tones must be transmitted along with speech in order for a radio receiver to reproduce the transmission. This makes it possible for several users to communicate individually using the same channel. | | X | X |
| POWER (Output) The radio has two power settings: LO = 25 mW and HI = 150 mW | | X | X |
| SET (Quick Choice) The Lite-Com radio can be programmed for simple repeat settings of channels | X | X | |
| PTT (Manual transmitting with Lite-Com radio) Transmit over the Lite-Com radio by pressing PTT | X | X | X |
| PTT AUX (for external equipment) For use with connected external equipment | X | X | |
| ANTIVOX Means that voice-controlled transmission is blocked when someone else is transmitting and you can only transmit using PTT | X | X | X |
| WALKMAN MODE Automatic attenuation of a connected CD player, personal stereo or similar device when transmitting or receiving over a Lite-Com radio | X | X | |
| AUTOMATIC SHUT-OFF After two hours if no function keys are activated | X | X | X |



Combines safe communication with optimal hearing protection

The Peltor Lite-Com was designed for you and your colleagues. It offers almost limitless possibilities for communication while protecting you against harmful noise. Everything that makes this possible is built into a headset that you wear like an ordinary hearing protector on your head or helmet. It gives you excellent contact with your surroundings and protects your hearing in a noisy environment.

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