

**PELTOR**<sup>®</sup>

LITE-COM II

# Peltor Lite-Com II



# The New Lite-Com II – For improved safety and effectiveness

*The Peltor Lite-Com II was designed for you and your co-workers. It gives nearly unlimited opportunities for communication whilst protecting against harmful noise.*



*The active-volume function lets you listen to your surroundings, communicate with co-workers and hear machine noises and warning signals even better than you could without an hearing protector.*



*The built-in com radio lets you talk freely with your co-workers on site – and with the rest of the world, if you connect an external communication radio or cellular phone.*

## Unlimited two-way communication

The Peltor Lite-Com II communicates on 69 unlicensed channels in the range of 433–434 MHz, which means extreme safety and little risk of disturbances. The 10 MW output provides a range of up to a kilometre (1,000 metres). You communicate with other Lite-Com sets and com radios on the same frequency and can use an adapter to connect a cellular phone or external com radio, regardless of the frequency.

For safety reasons, the external system has signal priority. You can also connect a CD player or FM radio and listen to news and music.

## Listens to ambient noise

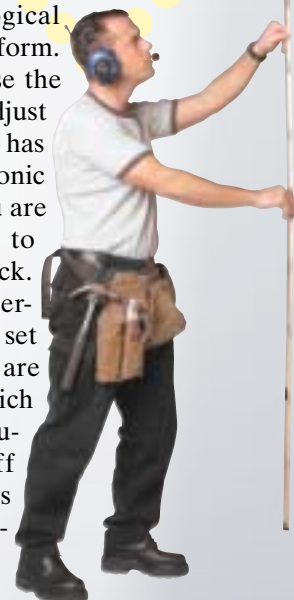
The Peltor Lite-Com II has a built-in active-volume function that lets you hear ambient noises: conversation, machine sounds and warning signals. Weak sounds can be amplified, so you hear them better than you would without hearing protectors. Two microphones pick up ambient noises and reproduce them in full stereo, so you can tell which direction the noises are coming from.

Sudden impulse noise at harmful levels are immediately attenuated. An electronic valve reads the noise and attenuates it to a harmless level. When the noise fades, the Lite-Com II automatically goes back to the listening function. With the Lite-Com II, you are not shut off from the

environment, which can be both dangerous and inconveniencing. You always hear what is going on around you, and know that your hearing is protected.

## Easy and logical to use

The right cup has a control panel with a large LCD display that shows your current settings. The buttons are easily accessible and logically positioned. All commands follow a logical structure and are easy to perform. Usually you only need to use the manual once to help you adjust settings. The Lite-Com II also has a unique feature – an electronic voice that tells you what you are setting, so you do not have to remove the headset to check. Another feature is the power-saver function. It switches the set to standby mode when you are not talking or listening, which spares the batteries. The set automatically switches off after two hours. This eliminates the risk of wearing out the batteries due to forgetfulness.



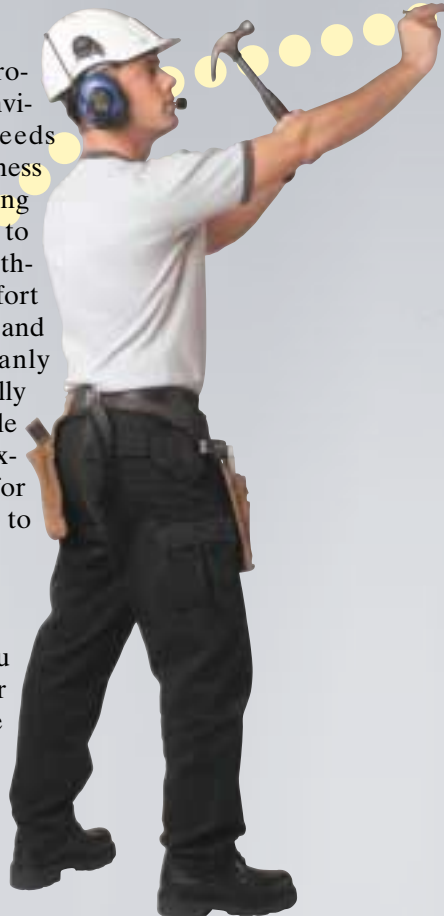


## Greatest possible comfort

You probably know that you have to protect your hearing when you are in an environment where the noise level exceeds 85 dB(A). Just a few minutes of carelessness per day can lead to permanent hearing damage. The Lite-Com II was designed to be worn throughout the working day without being bothering. We put a lot of effort into making the headset as comfortable and as easy to wear and handle as humanly possible. Soft sealing rings and individually sprung bands give an even, comfortable pressure around the ears. The cups are extra roomy to provide plenty of space for the ears. The headset is also very easy to put on, set and use.

## Individual function adaptation

The buttons on the control panel let you adjust the functions more suitable just for you. Scroll through the functions with the mode button and set the levels with the (+) and (-) buttons. Changes are confirmed by the electronic voice, so adjustments can be made without removing the headset.



# Adjustable functions

**VOLUME** (Ambient noise level)  
Regulates the amplification of ambient noise

**CHANNEL**  
Sets the channel for transmitting and receiving. The Lite-Com II is also equipped with an automatic scanner.

**MIX** (Sound levels from the Lite-Com radio)  
The sound level of radio signals received by the Lite-Com. Five levels of amplification.

**VOX** (Voice controlled transmission)  
Sets the microphone sensitivity. You can switch off voice control so that transmissions can only be keyed through the PTT button.

**SQUELCH** (Hiss reduction)  
Sets the sensitivity of the hiss reduction. Can be adjusted in six levels. Toggle all the way down to disconnect hiss reduction.

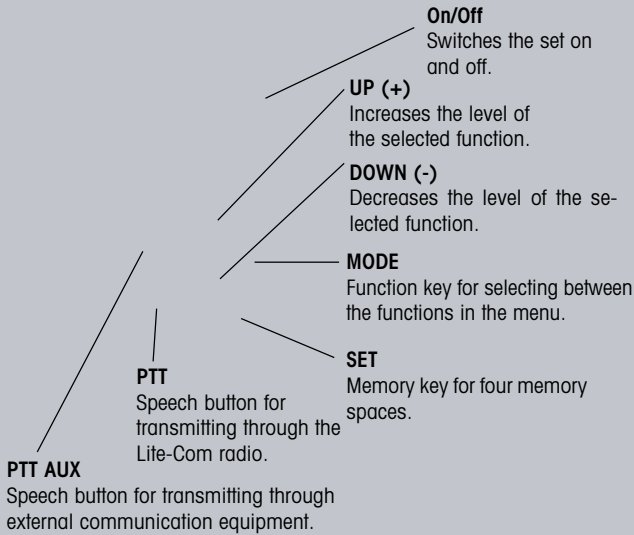
**BALANCE**  
Adjusts the balance between the right and left speakers. Nine steps for balance adjustment.

**BATTERY** (Energy saver)  
Reduces energy consumption when you are not actively using the headset. This setting has six steps.

**PRESET** (Memory functions)  
The Lite-Com radio can be programmed with standard settings of all functions.

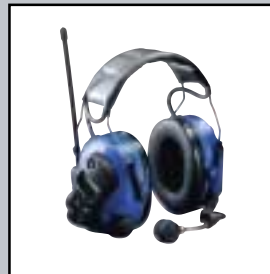
(Other alternatives for individual adjustments are available for special situations).





### TECHNICAL DATA

- Norm:** ETS 300 220
- Frequency:** 433.075–434.775 MHz
- Channels:** 69
- Channel steps:** 25 kHz
- Deviation:** Max. ± 6 kHz
- Output:** 10 MW ERP
- Range:** Outdoors approx. 1,000 m depending on conditions
- Traffic method:** Simplex
- Energy consumption:** Stand-by and receiving, 40–90 mA  
Transmission, approx. 190 mA
- Usage time:** Approx. 40 hrs (standard use with non-rechargeable batteries)
- Battery:** Two 1.5 V AA cell batteries
- Weight including batteries:** Headband 390 g  
Helmet version 410 g



MT7H7A430 950 with headband



With helmet attachment for Peltor safety helmet MT7H7P3E430 950

### SPARE PARTS AND ACCESSORIES

**Hygiene kit – HY79**

Easy-to-replace hygiene kit.

**Clean – single-use protectors – HY100**

Packages of 100 pairs, which are easy to apply to the sealing rings.

**Microphone protector – HYM1000**

Moisture, wind and hygienic protection for the speech microphone. Packages of 5 metres, approx. 50 replacements.

**Wind protection for speech microphone – M40/1**

Effective protection from wind hiss. One per package.

**Wind protection for ambient-noise microphones – M60/2**

Effective protection from wind hiss. One pair per package.

**Battery cover – 1173 SV**

Battery cover of rugged polypropylene.

**Connection cables for external equipment**

**FL6R** for com radio with J11 plug (4-pole Nexus TP-120).

**FL6S** for cellular phone with moulded 2.5-mm stereo plug.

**FL6T** for other equipment with moulded 3.5-mm stereo plug.

**Attenuation values, headband version**

Model	Frequency 1	125	250	500	1000	2000	4000	8000	H	M	L	SNR
MT7H7A430 950	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	33 dB	28 dB	21 dB	31 dB
	APV 4	14.1	18.4	29.6	30.4	32.3	35.3	32.5				

**Attenuation values, helmet version**

Model	Frequency 1	125	250	500	1000	2000	4000	8000	H	M	L	SNR
MT7H7P3E430 950	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	31 dB	28 dB	22 dB	30 dB
	APV 4	15.8	19.2	27.3	29.3	28.8	35.2	34.3				

The Peltor Lite-Com is tested and approved according to PPE directive 89/686/EEC and applicable parts of the European EN352-1:1993/prEN 352-3 standard.

# Peltor Lite-Com II



## *Reliable communication in noisy environments*

Safety is compromised when pilots, race car drivers and emergency services lose contact with their air traffic controllers, pit crew or rescue centres, but these aren't the only risk groups.

Reliable communication between workers is a necessity in all workplaces to meet demands for safety and efficiency. Noisy environments often make it impossible to communicate without special equipment. This makes communication equipment even more important. You must be able to communicate with your co-workers, both near and far. At the same time, you must be able to hear machine noises – engine revs, things that “sound wrong”, alarms and warning cries – *without* putting your hearing at risk.



# Combines safe communication with the best hearing protection

The Peltor Lite-Com II was designed for you and your co-workers. It gives nearly unlimited opportunities for communication whilst protecting your hearing against harmful noise. Everything that makes this possible is built into a headset that can be worn just like a regular hearing protector on your head or helmet. This gives first-class contact with your surroundings and protects your hearing effectively in noisy environments.

## Some valuable characteristics

- Built-in 69-channel com radio with 10 MW output.
- Outdoor range of over 1 km in normal conditions.
- Stereo active-volume function lets you listen to the environment while protecting you from harmful noise.
- Allows mixing between radio communication and ambient noise.
- Can be used as a headset for external com radio or cellular phone.
- Battery-saving function means longer usage time.
- Charging jack for easy battery charging (if re-chargeable batteries are used).
- Automatic shut-off after 2 hours of no active functions.
- Setting levels are confirmed with a voice message and displayed on an LCD.
- The latest settings are stored at shut-off.

