

100% BÄRTID –

DET ENDA SÄKRA SKYDDET MOT HÖRSELSKADOR.

(I:1) Bärtid 100% Ger förväntat skydd.

(I:2) Bärtid 99% 5 minuters slarv om dagen minskar hörselskyddets effekt påtagligt.

(I:3) Bärtid 90% Man kan inte längre förvänta sig något säkert skydd.

- Vistas man dagligen i miljöer med mer än 85 dB A-vägd ljudnivå, måste man skydda sin hörsel.
- Det är hörselcellerna längst in i örat som skadas och de kan aldrig läkas. Skadan blir permanent.
- Ett bekvämt skydd, anpassat efter den bullernivå man vistas i, är den bästa garantin för att man använder hörselskyddet 100% av tiden, och därmed får ett säkert skydd mot bestående hörselskador.

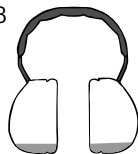
I:1



I:2



I:3



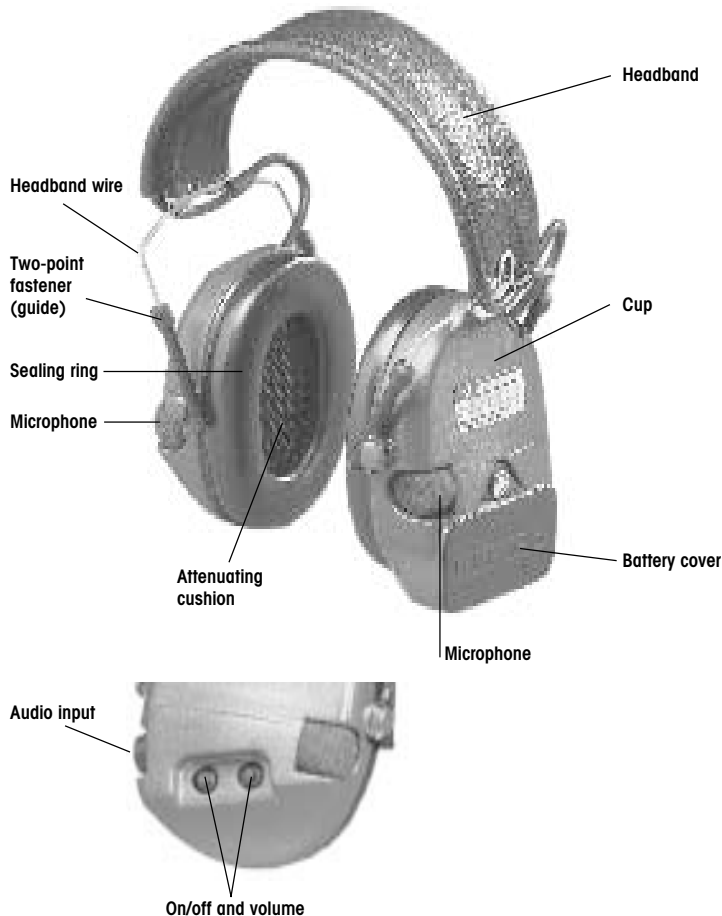
PELTOR®

User's Guide

ENGLISH



WHAT IS WHAT?



PELTOR COMTAC

Peltor ComTac is specially designed to fit comfortably under a military helmet (Swedish model M90) and to effectively protect against harmful noise levels while the user operates various weapons. The standard Peltor ComTac is equipped with an audio input for an external radio and an active-volume function that amplifies soft sounds and attenuates loud ones. The systems for external communication and the active-volume function work independently, providing extra high reliability and increased safety. The Peltor ComTac is tested and approved according to PPE directive 89/686/EEC and EMC directive 89/336/EEC, which means that it meets the demands for CE marking.

Read this user's guide carefully to get the most benefit from your new Peltor product.

FUNCTIONS

- The last setting is stored when switched off.
- Automatic shutoff after two hours if no functions are activated. Two audio signals indicate that the protector will switch off in one minute if no function is activated.
- The battery lifetime is about 250 hours. When the battery is low, you hear three warning signals every 30 seconds for five minutes, then the unit switches off.
- Polarity protectors guard the circuitry if the batteries are inserted incorrectly.
- Equipped with an audio input through a jack in the casing to allow connection to an external radio. External signals can be heard without battery power and even when the Peltor ComTac is switched off.
- When the active-volume function is on, amplification is reduced when an external telephone signal comes in through the audio input.

IMPORTANT USER INFORMATION

The Peltor ComTac must be turned on, adjusted, cleaned and maintained according to the instructions in the user's guide.

- This product can be harmed by certain chemical substances. Contact the manufacturer for more information.
- It is time to change batteries when you hear the warning signal described above, when distortion increases or when the sound becomes too weak. Never replace or insert batteries with the power on. Make sure that the battery is inserted correctly before use. See the diagram in the Care section.
- Never store the hearing protector with batteries installed.

Note: If these recommendations are not followed, attenuation and other functions may be diminished.

Use the ambient-noise amplification feature sparingly!

When you amplify sounds above "normal hearing" for extended periods, particularly in a noisy environment, you may experience discomfort. This can cause you to want to loosen the unit, which can lead to permanent hearing loss.



IMPORTANT! For the best protection, move hair away from the ears so that the sealing rings fit snugly against the head. Eyeglass frames should be as thin as possible and fit close to the head.

TECHNICAL DATA

(1) Attenuation values

The attenuation values and sound level relationships for Peltor ComTac are tested and approved according to prEN 352-4 and applicable parts of EN 352-1.

Explanation of the attenuation table

1. Weight
2. Frequency
3. Average level attenuation
4. Standard deviation
5. Expected attenuation

(2) Level relationships

The relationship between A-weighted sound pressure levels outside and inside the cup.

(3) Input signal level/usage time

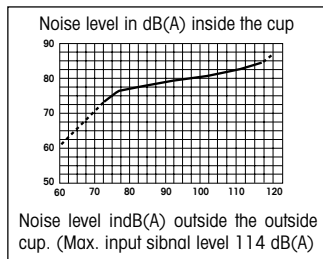
The maximum allowed audio signal in relation to usage time.

To prevent harmful levels on the earphones, the specified input signals must not be exceeded (Speech signal average level). The earphone level for music is maximum 82 dB(A) equivalent sound level according to the demands of the PPE directive.

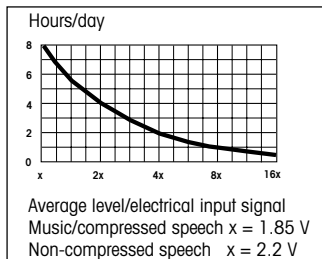
(1) Attenuation values

Model	Frequency ²	125	250	500	1000	2000	4000	8000		H	M	L	SNR
ComTac	Mean att. ³	10.7	15.8	24.7	29.4	28.2	40.6	41.6					
MT15H68FB	Stand. dev. ⁴	3.8	3.7	2.6	3.7	3.7	2.8	5.2		28 dB	22 dB	14 dB	25 dB
315gr/10.6oz ¹	APV ⁵	6.9	12.1	22.1	25.7	24.5	37.8	36.4					

(2) Level relationships



(3) Input signal level/usage time



SPARE PARTS/ACCESSORIES

HY68 Hygiene kit

Easy-to-replace hygiene kit, consists of two attenuating cushions and snap-in sealing rings. Replace at least twice a year to ensure constant attenuation, hygiene and comfort, or if any of the parts in the hygiene kit are defective. The protection, and particularly the sealing rings, can deteriorate over time and should be inspected regularly to ensure that no cracks and sound leakage exist. Replace damaged sealing rings; see **Care**.

HY100 Clean single-use protectors

A single-use protector that is easy to apply to the sealing rings. Package of 100 pairs of single-use protectors.

M60/2 Wind muffler for ambient noise microphones

Effective against wind noise. Two per package.

1162 SV Battery cover

Connecting cords for audio input

FL6H 3.5 mm mono plug

FL6M 3.5 mm mono plug

FL6N 3.5 mm stereo plug for Micman comm radio

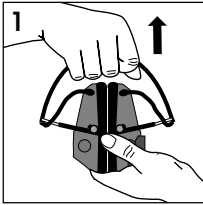
The Peltor ComTac can be converted into a headset by installing a boom microphone on one of the guides or using a throat microphone. The microphone connects by a split cable to the audio input on the ComTac and an external radio.

Contact our sales department at +46 370 69 42 00 for more information.

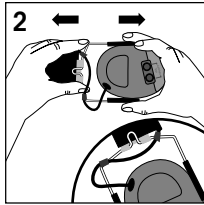
Converting a Peltor ComTac to a headset. See the **Assembly section, pgs. 8–9** for more information.



INSTRUCTIONS



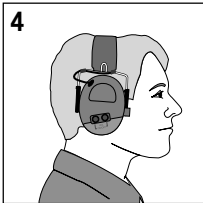
Extend the headband.



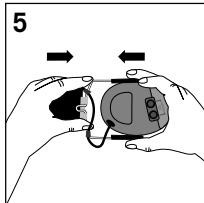
Pull out the cups.
Tilt the upper section of the cup outward so that the wire is on the outside of the headband.



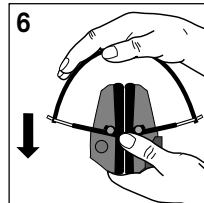
Adjust the height of the cups. Slide the cup up or down while holding on to the headband.



The headband should be across the top of the head.



Before you collapse the headset, slide the cups in all the way.



Collapse the headband. Make sure that the sealing cups are not creased and that they lie flat against each other.

In cold weather, warm the unit inside your coat for 1–2 minutes before putting it on for best comfort.

ON AND OFF



Press and release both buttons at once. You will hear a beep in the earphones.



Press on the right-hand (forward) button to increase volume.

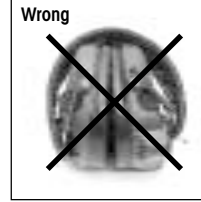


Press on the left-hand (rear) button to reduce volume.

INCREASING VOLUME

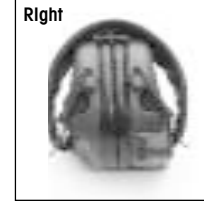
REDUCING VOLUME

STORAGE



All guides must be folded down completely before you can collapse the headband.

Do not store at temperatures of over +55°C, for example in a windscreen or window.



The sealing rings should lie flat against each other.



When damp
Turn the cups outward so the attenuating cushions and circuits can dry. Reassemble. See **Disassembly/Replacement**.

CARE



Clean the cups, headband and sealing rings with a rag dipped in tepid water.



Never dip the cups into the water!



To replace batteries, loosen the screw. Do not hold the battery cover. Remove the batteries if the unit is to be stored a long time.

DISASSEMBLING/REPLACING SEALING RINGS

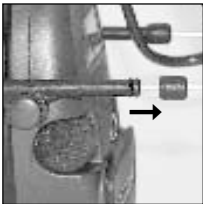


Insert your fingers under the edge and pull straight out.

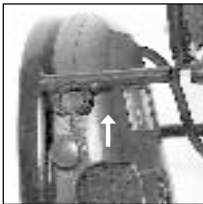


Install the new rings by pressing in place.

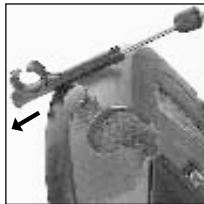
DISASSEMBLING/INSTALLING THE MICROPHONE ARM



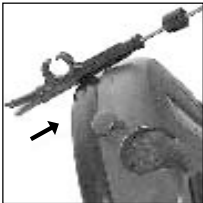
Make sure that the cup and guides are at 90°. Loosen the plastic casing by pulling straight backward.



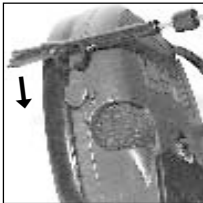
Detach the wire.



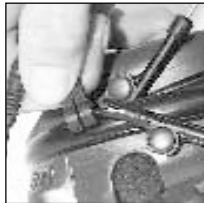
Twist the guide up 90° and pull it straight out. Do not try to unscrew it!



Thread the new guide on at 90°. Do not try to screw it on!



Twist the guide down and press it onto the attachment. Slide the plastic casing back in place.



Thread the mike arm on by compressing the tines and pressing upwards ...



... while bending upwards.



Once in place, the microphone arm should turn to the side with some friction.



Adjust the hearing protector and helmet for the best comfort.



Let all the cables run inside the helmet strap and inside your coat.

PACKAGING IN THE ORIGINAL CARTON



1. Collapse the headband as described in steps 5–6 in the **Instructions** section. Place in the box.

2. Fold down the tab. Pack the batteries and accessories in the compartment.

TILLBEHÖR

Headset kit (MT7-FL6AB)
Microphone
Guide
Adapter cord



100% USE –

THE ONLY SURE PROTECTION FROM HEARING LOSS

(I:1) Worn 100% Gives the expected protection.

(I:2) Worn 99% Just 5 minutes' carelessness a day significantly reduces the effect of the hearing protector.

(I:3) Worn 90% You can no longer expect sure protection.

- If you spend time daily in environments with more than 85 dB A-weighted noise, you must protect your hearing.
- The hearing receptors deep in the ear can be irreparably damaged.
- A comfortable hearing protector, designed for the specific noise level, is the best guarantee that users wear the hearing protector 100% of the time and are guaranteed sure protection against lasting hearing loss.

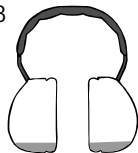
I:1



I:2



I:3



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