



The Optimal Solution



# Tactical

Protac II, Tactical XP



# Reliable long and short-distance communication

## Active-volume function

Both the ProTac II and the Tactical XP are equipped with an active-volume function that lets you hear ambient noises: conversations, machine sounds, warning signals, etc. Soft sounds are amplified, so you hear them even better than you would without hearing protectors. Two microphones pick up ambient noises and reproduce them in full stereo, so you can tell what direction they come from. Sudden impulse noises at harmful levels are immediately attenuated.

An electronic valve detects the noise and attenuates it to a harmless level. When the noise fades, the electronics automatically go back to the listening function. A summing function ensures that the combined sound level from the active-volume function and from connected external equipment does not exceed a given level.

## Two-way communication

Three alternatives are available for two-way communication via com radio, mobile or DECT telephone:

### Headset

The ProTac and the Tactical XP come in a standard headset model with a separate adapter. The PTT button is located on the separate adapter.

### Flex headset

The ProTac and the Tactical XP in a Flex headset model is a solution without an external adapter. The PTT button is on the shell. Jackable cables enhance flexibility, since you can connect many kinds of equipment using a range of cords. Flex cords are available for most devices on the market.

### Wireless Bluetooth headset

The ProTac WS headset uses the Bluetooth worldwide standard for wireless communication. The headset can communicate wirelessly with another unit that has the Bluetooth standard. The headset and the other unit can be 10 metres apart without losing contact.

A PTT button and a Bluetooth configuration button are positioned on the left shell. If a connected mobile phone has voice dialling, you can use the headset microphone for this.

If your communication radio does not have Bluetooth, Peltor has developed Bluetooth adapters, the FL6000 series, which can be used for many of the most common devices on the market.

## Bands/Attachments

Peltor hearing protectors are available with a range of attachments and bands: Headband, neckband, helmet attachment and collapsible headband.

## Attenuation

Peltor hearing protectors can be divided into five different categories, depending on their attenuation.

The attenuation level of the ProTac and the Tactical XP fall under category four, which is symbolized by a die with four dots. This means that the protectors are suitable for high and medium high-frequency noise in the range of RNR\* 94-105dB.



\* (\* RNR = Recommended Noise Rating)



### FL5000 Headset adapters

Adapters are available for most communication radios, DECT and mobile phones on the market.

Contact your Peltor dealer for information on which adapter is suited for your communication radio, DECT or mobile phone.

See below for examples of the most common models:

Prod code	Communication radio
FL5001	Peltor Standard
FL5003	Dancall 6000, Tateco CTS900
FL5005	Ericsson Freeset
FL5010	Alinco. ICOM. Yaesu. Zodiac
FL5013	Ascom SE-140
FL5017	Motorola Visar
FL5019	Maxon Slim line. Motorola Expo
FL5030	Motorola GP340, GP320
FL5034	ICOM IC angled connector
FL5035	Kenwood TK3101 Funkey
FL5044	ICOM IC-F31, 41,51, 61

### FL6000 WS adapters

Adapters in the Peltor Wireless Solutions™ product range for connecting Peltor wireless headsets to a com radio or other communication equipment with no Bluetooth® capacity.

The connector cord to the headset is replaced by a Bluetooth® link with a range of up to 10 metres.

See below for examples of the most common models:

Prod code	Communication radio
FL6005-WS	Ericsson Freeset, Tateco CTS900 (2.5 mm plug)
FL6010-WS	ICOM IC, Alan, Zodiac (straight connector)
FL6014-WS	Motorola GP300. Radius P110
FL6030-WS	Motorola GP320/340
FL6034-WS	ICOM IC-F3GS, IC-F3GT, IC-F4GS, IC-F4GT (angled co)
FL6035-WS	Kenwood TK3101 Funkey
FL6018	Motorola HT1000, MT2000, GP900





# A step closer to perfection with the ProTac II

Key functions like effective attenuation, comfort and better sound reproduction have come a step closer to perfection with the Peltor ProTac II. The ProTac II is now also available as a Bluetooth headset.

## **Active-volume function**

With the ProTac, you are not shut off from the environment, which can be both dangerous and inconvenient. You always hear what is going on around you, and you know that your hearing is protected.

## **Easy and logical to use**

The control panel is on the right shell. The buttons are easily accessible and logically positioned. They make it easy to adjust ambient noise. Another feature is the power-saver function. If no buttons are pressed, the hearing protector switches off automatically after two hours, which eliminates the risk of wearing out the batteries due to forgetfulness. A warning signal is emitted when the battery is low.

You can also connect the hearing protector to a telephone or communication radio, so you can always be reached while you work. The ProTac with speech microphone and a flex cord, separate adapter or Bluetooth provides complete two-way communication.

## **WS ProTac headset with Bluetooth**

The ProTac WS uses the Bluetooth worldwide standard for wireless communication. The headset can communicate wirelessly with another unit that has the Bluetooth standard.

The headset and the other unit can be 10 metres apart without losing contact. A PTT button and a Bluetooth configuration button are positioned on the left shell. If a connected mobile phone has voice dialling, you can use the headset microphone for this.

If your communication radio does not have Bluetooth, Peltor has developed a Bluetooth adapter, the FL6000 series, which can be used for many of the most common devices on the market.

## **ProTac headset with cord connection**

The ProTac also comes in a standard headset model with a separate adapter. In this case, the PTT button is located on the separate adapter. The Flex headset model of the ProTac has the PTT button on the shell. A flex headset lets you easily switch between a com radio, DECT or mobile phone just by switching cords.





**ProTac II versions**

	Standard	Headset	Flex Headset	WS headset, Bluetooth
With neckband/Black	MT15H7B2 SV			
With helmet attachment/Black	MT15H7P3E2 SV	MT15H7P3E2-07 SV	MT15H7P3E2-77 SV	MT15H7P3E2WS3
With headband/Black	MT15H7A2 SV	MT15H7A2-07 SV	MT15H7A2-77 SV	MT15H7A2WS3
With headband/Red	MT15H7A2 RD			
With headband/Green	MT15H7A2 GN			



Technical data:

Weight: 370 g (headband)  
 Operating time: About 1000 hours (standard)  
 Battery type: AA (2x 1.5V)

Attenuation values:

Model	Frequency <sup>2</sup>	125	250	500	1000	2000	4000	8000	H	M	L	SNR
<b>MT15H7A2</b>	Mean att. <sup>3</sup>	19.7	25.4	31.0	34.6	32.2	38.7	42.1				
<b>MT15H7B2</b>	Stand. dev. <sup>4</sup>	3.4	2.5	3.4	1.8	3.6	3.8	3.6	31 dB	29 dB	24 dB	32 dB
<b>MT15H7F2</b>	APV	16.3	22.9	27.6	32.8	28.6	34.9	38.5				

Model	Frequency <sup>2</sup>	125	250	500	1000	2000	4000	8000	H	M	L	SNR
<b>ProTac</b>	Mean att. <sup>3</sup>	20.7	24.7	31.0	35.1	32.6	40.4	42.1				
<b>MT15H7P3*2</b>	Stand. dev. <sup>4</sup>	5.4	3.9	3.4	2.9	3.1	3.1	2.7	32 dB	29 dB	23 dB	31 dB
	APV	15,3	20,8	27,6	32,2	29,5	37,3	39,4				



# The Tactical XP.

## The most adaptable hearing protector on the market

### Maximises communication and minimises noise of any character

#### **Active-volume function with new possibilities**

As with other Peltor active-volume hearing protectors, users can hear ambient noise: conversations, machine noises etc. Soft sounds are amplified, so you hear them even better than you would without hearing protectors. At the same time, sudden impulse noises at harmful levels are immediately attenuated.

But the Tactical XP isn't like other active-volume hearing protectors. Different kinds of noise differ in character, direction, impulse, frequency and volume.

The Tactical XP uses a new, revolutionary digital circuit that lets the user control and monitor the active-volume function, adapting the qualities of the protector to the situation and environment. The active-volume function on the Tactical XP also amplifies weak sounds better than any other Peltor protector.

The Tactical XP is equipped with many functions that further improve your opportunities to hear what you want to hear while remaining protected from harmful noise. Each function and its settings are indicated by a voice message.

#### **Volume**

As with the precursor to the Tactical XP, the user can adjust the volume of the active-volume function.

#### **Balance**

Adjust the balance of the active-volume function. Especially beneficial for users with hearing loss in one ear.

#### **Reset time**

The user can adjust the length of time it takes for the active-volume function to return to normal, to two different levels. Normally, you want the reset time to be as fast as possible, but in some situations – with an echo effect or frequently recurring impulse noises, you may want to extend the time.

#### **Equalizer**

The equalizer function lets the user filter the ambient noise, improving or cutting out the noise on a certain frequency. This lets you hear the sounds you want to hear more clearly.

#### **Volume on externally connected equipment**

In extremely noisy environments, limiting the sound level from external communication equipment to 82 dB can make it hard to understand, or in some cases even hear, important information. The Tactical XP allows the user to increase that limit from 82 dB to 89 dB, in order to improve the sometimes vital communication in extremely noisy environments.

Since 89 dB is somewhat higher than the maximum permitted exposure over 8 hours according to the European standard, 85 dB, this mode must not be used continuously. External communication coming in from a com radio or phone over the course of a working day is usually well below the maximum permitted exposure.

See the instruction manual for more detailed information on exposure time at various input signal levels. A warning message is played when the higher level is set. The electronics return automatically to standard mode when the product is switched off.





### Tactical XP headset with cord connection

The Tactical XP comes in a headset and a Flex headset model for connection to a com radio, DECT or mobile phone:

The Tactical XP headset model lets you connect communication equipment with a separate adapter. The PTT button is located on the separate adapter.

The Tactical XP in the Flex headset model is a solution without an external adapter. The PTT button is on the shell. Flex cords are available for most devices on the market.

### Tactical XP versions:

	Standard	Headset	Flex Headset
With neckband	MT1H7B2	MT1H7B2-07	MT1H7B2-77
With helmet attachment	MT1H7P3*2	MT1H7P3*2-07	MT1H7P3*2-77
With collapsible headband	MT1H7F2	MT1H7F2-07	MT1H7F2-77



### Technical Data:

Weight: 400g  
 Operating time: about 1000 hours (standard)  
 Battery type: AA (2x 1.5V)

### Attenuation values:

Model	Frequency <sup>1</sup>	125	250	500	1000	2000	4000	8000	H	M	L	SNR
MT1H7A2	Mean att. <sup>2</sup>	13.8	21.5	30.9	36.6	35.9	35.5	39.0	32 dB	29 dB	20 dB	31 dB
MT1H7B2	Stand. dev. <sup>3</sup>	1.8	0.9	1.3	1.5	5.5	3.1	2.3				
MT1H7F2	APV <sup>4</sup>	12.0	20.6	29.6	35.1	30.4	32.4	36.7				

Model	Frequency <sup>1</sup>	125	250	500	1000	2000	4000	8000	H	M	L	SNR
MT1H7P3*2	Mean att. <sup>2</sup>	14.0	22.4	28.1	33.8	33.4	35.4	38.7	33 dB	28 dB	20 dB	30 dB
	Stand. dev. <sup>3</sup>	1.5	2.7	1.7	2.3	2.6	2.3	1.8				
	APV <sup>4</sup>	12.5	19.7	26.4	31.5	30.8	33.1	36.9				



## Accessories and spare parts

**HY79 Hygiene kit.** Easy-to-replace hygiene kit consisting of two attenuation cushions and snap-in ear cushions. Replace at least twice a year to ensure constant attenuation, hygiene and comfort.

**HY100A Clean single-use protectors.** A single-use protector that is easy to apply to the ear cushions. Packages of 100 pairs.

**HYM1000 Mike Protector.** Moisture and wind-tight. Hygienic, effective protector that increases the life span of the speech microphone. Packages of 5 metres, approx. 50 replacements.

### Wind protection for ambient microphones

Effective protection from wind hiss.

One pair per package.

M60/2 ProTac

M41/2 Tactical XP

### Flex headset cords

Available in several versions, for example the FL6U-32, which fits the Motorola GP340. The one for your particular communication radio, DECT or mobile phone is listed on the cord's package.

Make sure you have chosen the right cord for your communication equipment.

If you are unsure which Flex cord to choose, ask your Peltor dealer.

See below for examples of the most common models:

### Connector cords

**FL6H** 3.5 mm mono connector

**FL6M** 2.5 mm mono connector

**FL6N** 3.5 mm stereo connector for Micman com radio

Connector cords of cold and wear-resistant polyurethane for connection to a com radio etc. Length 110 cm.

### ACK03

Rechargeable battery

### FRO3EU

Battery charger for the ACK03. European-standard connector cord.

### FRO3GB

Battery charger for the ACK03. UK-standard connector cord.

Cord	Communication radio
FL6U-31	Alan 441
FL6U-31	Albecom 1221/1331/PD1000
FL6U-35	Albrecht Tectalk Contact 446 PMR
FL6U-31	Aliinco-LPD01
FL6U-31	Cobra
FL6U-31	ComMaster 1550/3130
FL6U-31	Genzo
FL6U-21	Handy Pro, Radius P110
FL6U-31	Hunter MK16, MK24
TAA13-T0299	ICOM F31/F41
FL6U-35	ICOM IC-F3GS, GT F4GS, GT etc with angled connector
FL6U-31	ICOM IC-F3S, F4S, IC-E90, LPD06, PMR06 (with straight connector)
FL6U-36	Kenwood 260/270, 360/370 LPD, TH22E PMR etc
FL6U-31	Lafayette, DC31 Micro-3, DC155 Micro-3
FL6U-31	Maxon SL25
FL6U-21	Motorola GP300 etc
FL6U-32	Motorola GP640, 680, 1280, 320, 340, 360, 380
FL6U-61	Motorola Visar 3,5 mm, GP344/388 via Motorola adapter plug
FL6U-31	TEKK
FL6U-31	Yeadu
FL6U-31	Zodiac PA2099/PA1599/PA5499/ PA5500/P2400 + various LPD/PMR radios
TAA20-T0299	Motorola GP344
TAA22-T0299	Vertex VX160/400

Cord	DECT- or mobile phone	Extra Phone adapter
FL6U-28A	Ascom DECT 9d23/Offi ce 155 Pro	-
FL6U-28	Ericsson 628/688/788/868/888/T10/T18/R5250s Pro and DT570	TAH10
FL6U-28A	Ericsson DT400/DT410/DT420/DT590	-
FL6U-28	Ericsson GSM other models	-
FL6U-28	Ericsson T20/T28/T29/T39/T65/T66/T68/ R310/R320/R380/R520/R600/T200/T300/T600	TAH11
FL6U-28	Motorola GSM – most models have a jack on the side	-
FL6U-28	Nokia 3210/3310/3330/3410/3510/3510i/3650/5210/5510/6510/7650/8210/8310/8850/8890/8910	TAH02
FL6U-28	Nokia 5100/6100/6610/6650/6800/7210/7250	TAH03
FL6U-48	Nokia 5110/5130/6110/6150/6210/6310/6310i/7110	TAH01
FL6U-28	Siemens C25/S25	TAH20
FL6U-28	SonyEricsson K310i, K610i, K750i, W800i, W550i, W900i, P990 and more	TAH12