



The **BLUETOOTH** trademark is the property of Bluetooth SIG, Inc., USA, and is licensed to Peltor AB.

Bluetooth is the name of a technology for wireless transfer of sound and data via a radio link. It's based on a common standard that is used all around the world. In 1998, electronics giants Ericsson, Nokia, IBM, Toshiba and Intel initiated a joint venture, through Bluetooth SIG, to establish the system as a world standard. Today over 2,000 companies worldwide have connected to **Bluetooth**.

Works all around the world

Bluetooth works with the ISM band (stands for Industrial, Scientific, Medical) at 2.43 GHz. This frequency range, 2400–2500 MHz, is license-free and largely available all around the world.

Fast, secure transfer

The rate of transfer with **Bluetooth** is about 25 times higher than with a standard 28.8 kb/s modem, and the system transfers speech in full duplex. **Bluetooth** prevents interference from other radio transmitters in the same frequency range by frequency hopping at a rate of 1600 hops a second.

General technical data:

Frequency:	2.45 GHz (range 2400–2500 MHz)
Traffic method:	Duplex
Rate of transfer:	1 Mbit/s
Output:	1 mW (0dBm)
Frequency hopping:	1600/s



Peltor Wireless Solutions™

Communication must be clear and reliable, but that's not always an easy task. In noisy environments it's extra difficult – and at the same time crucial for both efficiency and safety. Peltor's experience in providing the best possible solutions for hearing protection and communication is well known. Now we're making communication even more reliable, fast and easy, using Bluetooth technology. We make sure to be at the forefront of technological advances, so that you and others who spend time in noisy environments can take advantage of this new, practically limitless technology.

Peltor was one of the first companies to use Bluetooth technology in practical applications.

Peltor – the right solution for noisy environments

For over 50 years, Peltor has spearheaded the development of safety and communication systems for everyone who spends time in noisy environments. We are proud that we control the entire production chain – from concept and testing to the finished product. That's the best way to use and expand our great experience – and a quality guarantee for our customers. This is a strength that has given us a leading position as suppliers of hearing protectors and communication products for the manufacturing and process industries, aviation, military and motor sports.



Peltor Marketing Communication DB WIRELESS-EN

Peltor Wireless Solutions™

Wireless, reliable communication
in noisy environments



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Peltor Wireless Solutions

– A more effective, flexible way to communicate

Peltor Wireless Solutions™ uses the latest Bluetooth technology to make communication in noisy environments easier and more effective. You can always be available – fast, easily and wirelessly. Gone are the problems of the snagging cord, and you can use your telephone or com radio even when they're not in sight. Peltor Wireless Solutions™ isn't just about headsets, it also includes adaptors for communication systems that don't have built-in Bluetooth®. This allows Peltor to offer a wireless solution for nearly all communication systems.



Peltor WS Headset

Peltor's new wireless communication headset has a built-in Bluetooth circuit that can quickly and easily connect to another Bluetooth unit up to 10 metres away. Forget the hassles of connectors and cords – once you've synchronised the unit, you have immediate connection, full duplex capabilities, and a standard that works worldwide. The headset is controlled with four buttons: A function button, a call button (PTT/answer button) and two buttons for turning the volume up and down.

"Noise-proof"

The headset provides effective noise attenuation even when the sound level is very high. This is important, and not just to protect your hearing. It also ensures clear, reliable communication in environments with extremely loud noise. The microphone has effective noise compensation, which prevents ambient noise from disturbing communications.



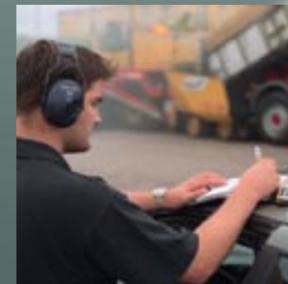
Peltor FL6000-WS Adapter

The Peltor Wireless Solutions™ series now also includes new adapters with built-in Bluetooth. The adapter connects to your communication unit – a com radio or telephone that does not have built-in Bluetooth. The adapter has a sturdy clip and can be attached to the communication unit or your belt. Two simple buttons let you turn the unit on and off and synchronise between the adapter and headset. Once the units are synchronised, you have a wireless connection between the adapter and your Peltor WS Headset. Two 1.5 V AA batteries, or Peltor's special accumulator battery, ensure long, reliable operation.



Incomparably convenient and easy to use

With just a few presses of a button, you synchronise the headset or adapter with other Bluetooth units. Once this is done, the synchronised units always recognise each other, even having been switched off. As long as the synchronised units are on and within range of each other, they are linked together as if by an invisible cord. If the headset is linked to a com radio using an FL6000 adapter, you can use PTT or VOX while you move freely around the radio. If the headset is linked to your mobile phone, just press the answer button on the headset when someone calls, and you're connected. You have full duplex communication, just like with a regular telephone. You can also connect calls using a voice command, if the telephone model permits.



Technical data

The Peltor WS headset and adapters are designed for Bluetooth® standard V1.2 (headset and hands-free profiles), and are certified according to EN 300 328 (radio test), EN 301 489-1/-7/-17 (EMC test), EN 60 950 (electronic safety, low voltage directive) and FCC part 15.247 (radio test for the USA and Canada).

Range: approx. 10 m (0 dBm)
Batteries: 2 x 1.5 V AA
Operating time: Stand-by approx. 2,000 h
 Speech approx. 70 h

Peltor WS adapters are available for the most common communication solutions on the market. Here are a few examples:

Art. no.	Type
FL6002-WS	Motorola HT600, HT800, MT1000
FL6005-WS	2.5-mm connector for telephones etc.
FL6010-WS	ICOM, Alinco, Yaesu, Zodiac with straight connector
FL6014-WS	Motorola GP300
FL6018-WS	Motorola HT1000, GP900
FL6030-WS	Motorola GP340
FL6034-WS	ICOM IC with angled connector
FL6035-WS	Kenwood TK-260/270/360/3101 etc

Peltor WS Headsets come in different versions depending on the area of use:

Art. no.	Type	Weight
MT53H7AWS2	Headband	396g
MT53H7BWS2	Neckband	375g
MT53H7P3EWS2	Helmet attachment	429g

Attenuation with headband, neckband

Model	Frequency ¹	125	250	500	1000	2000	4000	8000	H	M	L	SNR
MT53H7AWS2	Mean att. ²	13.8	21.5	30.9	36.6	35.9	35.5	39.0				
MT53H7BWS2	Stand. dev. ³	1.8	0.9	1.3	1.5	5.5	3.1	2.3	32 dB	29 dB	20 dB	31 dB
	APV ⁴	12.0	20.6	29.6	35.1	30.4	32.4	36.7				

Attenuation with helmet attachment

Model	Frequency ¹	125	250	500	1000	2000	4000	8000	H	M	L	SNR
MT53H7P3EWS2	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	33 dB	28 dB	20 dB	30 dB
	APV ⁴	12.5	19.7	26.4	31.5	30.8	33.1	36.9				

The attenuation values for the Peltor WS Phone Headset are tested and approved according to directive 89/686 EEC (personal safety equipment) and applicable sections of European Standard EN 352-1: 1993/EN 352-3:1996.

Spare parts and accessories

Hygiene kit	HY79
Microphone protector	HYM1000
Wind muffler for microphone	M995
Clean single-use protectors for sealing rings	HY100A
Rechargeable battery accumulator	ACK03
Charger for battery accumulator	FRO3EU (European connector) FRO3UK (British connector)

