

3M™ PELTOR™ WS™ ALERT™ XPI Headset

Hearing protection with Bluetooth® MultiPoint Technology

Product Description

The 3M™ PELTOR™ WS™ ALERT™ XPI Headset is Peltor's next generation protective communication solution. With Bluetooth® connectivity, noise-cancelling boom microphone, in-built FM-Radio and level-dependent noise attenuation functionality for ambient listening, the WS™ ALERT™ XPI Headset not only helps protect you against hazardous noise, but also makes it easy to make and receive phone calls with both hands free in noisy work environments.

Key Features

- High attenuating hearing protector in two models: stand-alone headband or safety helmet attachment.
- Bluetooth® MultiPoint Technology for connection to one or two external devices for hands-free operation
- Noise cancelling boom microphone for clear speech transmission in noisy environments
- Level-dependent function for ambient listening to help improve your situational awareness (limited to 82 dB)
- Push-to-Listen feature to easily and instantaneously listen to your surroundings
- Built-in FM-Radio with radio volume limited to 82dB
- Voice guided menu system with announced FM-Radio frequencies
- Digital station search
- Ability to store up to 4 favourite stations
- Auto power off: The headset will turn off after 4 hours of non-use to save battery
- Low-battery warning at low battery level
- To reduce the corrosion caused by sweat the electronics are located in the outer part of the cup
- Replaceable cushions and foam liners

Applications

The 3M™ PELTOR™ WS™ ALERT™ XPI Headset offers Bluetooth® wireless communication and audio streaming in noisy environments. Useful when users need to be connected to their mobile phone throughout the day (for example; independent landscaping contractors, heavy equipment operators, maintenance workers in industrial applications) everywhere hands-free communication and hearing protection could be of benefit.

Standards and Approvals

The radio equipment type Radiobroadcast receiver complies with the requirements of the relevant ACMA Standards made under the Radiocommunications Act 1992 and the Telecommunications Act 1997. These Standards are referenced in notices made under section 182 of the Radiocommunications Act and 407 of the Telecommunications Act. A copy of the declaration of conformity and additional information required in the directives can also be obtained by contacting 3M in the country of purchase.

The product has been tested by an accredited laboratory in accordance with the requirements in AS/NZS 1270 and has met the specifications of hearing protectors Class 5. When selected, used and maintained as specified in AS/NZS 1269, this hearing protector may be used in noise up to 110 dB(A) assuming an 85 dB(A) criterion. A lower criterion may require a higher protector class.

Headset Models and Accessories

Product number	Description	3M ID
MRX21AWS6-AZ	3M™ PELTOR™ WS™ ALERT™ XPI, headband	UU009152602
MRX21P3EWS6-AZ	3M™ PELTOR™ WS™ ALERT™ XPI, helmet attachment	UU009153311

Product number	Description	3M ID
HY82	3M™ PELTOR™ HY82 Hygiene kit	UU008567388
HY100A	3M™ PELTOR™ HY100A Clean hygiene pad	XH001651351
HYM1000	3M™ PELTOR™ HYM1000 Microphone protection	XH001651328



MRX21AWS6-AZ



MRX21P3EWS6-AZ



Bluetooth® MultiPoint technology for connection to one or two external devices for hands-free talk and streaming



Noise cancelling boom microphone for clear speech transmission in noisy environments



Level-dependent function for ambient listening



Built-in FM-Radio

3M™ PELTOR™ WS™ ALERT™ XPI Headset

Technical data specifications

Materials:	Headband MRX21AWS6-AZ Headband: PVC, PA Headband wire: stainless steel Two-point fastener: POM Cushion: PVC foil and PUR foam Foam liner: PUR foam Cup: ABS Level-dependent microphone for ambient listening: PUR foam Wind shield for speech microphone: ABS, PA Antenna: PE, ABS, TPE Wind Shield: foam Charger jack: stainless steel
	Helmet attachment/Hard hat MRX21P3EWS6-AZ Cup supporting arm: stainless steel
Battery type:	2xAA batteries (Alkaline)
Operating time:	Approximately 58 hours (FM radio and level-dependent) Approximately 78 hours (Bluetooth® streaming and level-dependent)
Weight (batteries incl.):	MRX21AWS6-AZ (headband): 412 g MRX21P3EWS6-AZ (helmet attachment): 438 g
Bluetooth® Technology:	Bluetooth version: 4.2 Bluetooth headset profile (HSP): 1.2 Bluetooth hands-free profile (HFP): 1.6 Bluetooth Advanced Audio Distribution Profile (A2DP): 1.3 Audio/Video Remote Control Profile (AVRCP): 1.6 Bluetooth Range: Up to 10m (class 2)
Speakers:	27 mm diameter, 100 Ohm
Boom microphone type:	Noise cancelling electret microphone
Operating temperature:	-20°C (-4°F) to +55°C (131°F) (battery dependent)
Storage temperature:	-20°C (-4°F) to +55°C (131°F)
Shelf life:	5 years (excluding batteries)
In the box:	1 x Headset, 2 x AA batteries, 1 x User Instruction

Use limitation: Never modify or alter this product

Attenuation Australia and New Zealand

MRX21AWS6-AZ

AS/NZS 1270:2002

Frequency (Hz)	125	250	500	1000	2000	4000	8000	SLC ₈₀
Mean Attenuation (dB)	13.8	19.3	30.4	34.5	37.7	39.5	36.2	30
Standard deviation (dB)	2.7	2.4	2.7	3.6	2.3	2.7	4.1	
Mean Attenuation - Standard Deviation (dB)	11.1	16.9	27.7	30.9	35.4	36.8	32.1	



MRX21P3EWS6-AZ

AS/NZS 1270:2002

Frequency (Hz)	125	250	500	1000	2000	4000	8000	SLC ₈₀
Mean Attenuation (dB)	14.2	19.7	29.6	33.4	36.3	39.5	34.6	30
Standard deviation (dB)	3.9	1.9	2.5	1.8	2.5	2.7	4.9	
Mean Attenuation - Standard Deviation (dB)	10.3	17.8	27.1	31.6	33.8	36.8	29.7	



Personal Safety Division

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Warranty

The warranty does not cover any damage caused by neglected maintenance or careless handling. For more information on maintenance, please see the user instruction. For complete warranty condition, contact your dealer or local 3M office.

Important Notice

3M does not accept liability of any kind, be it direct or consequential (including, but not limited to, loss of profits, business and/or goodwill) arising from reliance upon any information herein provided by 3M. The user is responsible for determining the suitability of the products for their intended use. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.