

3M™ PELTOR™ WS™ ALERT™ XPI Headset (CE and UKCA version)

Hearing protection featuring Bluetooth® technology, built-in FM-radio and mobile app interface.

Product Description

The Bluetooth® headset with a noise-cancelling boom microphone connects to your mobile phone to allow for hands free calls and streaming audio content in noisy environments. This headset helps protect against hazardous noise and at the same time helps promote auditory situational awareness via the level-dependent function for ambient listening. The headset also synchs to a mobile app so users can easily set-up and adjust the headset. It also contains a built-in FM-radio that you can preprogram to easily listen to your favorite channels.

Key Features

- Push-To Listen (PTL) You can pause streaming quickly and turn on the environmental listening with a double press.
- Noise-cancelling boom microphone for clear speech transmission when in noisy environments
- Level-dependent function for ambient listening to help promote auditory situational awareness
- Push-to-Listen (PTL) feature to easily and instantaneously listen to your surroundings
- Built-in FM-radio with digital channel selection
- Ability to store your favorite FM-radio stations
- Voice-guided menu system with the option to choose announced FM-radio frequencies
- Connection to an iOS and Android compatible mobile app, 3M™ Connected Equipment, to more easily set-up and adjust the headset. The app is available to download from the App Store and Google Play
- Mobile app allows you to receive reminders for when to change replacement cushions (hygiene kit) and choose the frequency of these alerts
- Replaceable cushions (hygiene kit)
- The headset will automatically turn off after four hours of non-use to save battery life
- Low-battery warning at low battery level
- Supports voice activated calling
- Replaceable covers so you can change to your own choice of colour
- Rechargeable option with NiMH batteries



MRX21A3WS6



MRX21P3E3WS6

Applications

The 3M™ PELTOR™ WS™ ALERT™ XPI Headset offers Bluetooth® wireless communication useful in noisy environments. This is essential when users need to be connected to their mobile phone throughout the day (e.g., construction workers, private contractors operating their own equipment, farmers, maintenance workers in industrial applications etc.) and everywhere hands-free communication and hearing protection could be of benefit.

Approvals

Hereby, 3M Svenska AB declares that the product is in compliance with appropriate Directives or Regulations to fulfill the requirements for the CE and/or UKCA marking.

The full text of the Declaration of Conformity is available at the following internet address:

www.3M.com/PELTOR/DOC

A copy of the Declaration of Conformity and additional information required in the Directives or Regulations can also be obtained by contacting 3M in the country of purchase.



Connect the headset with the "3M™ Connected Equipment" mobile app supporting both Android and iOS



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 to help improve auditory situational awareness



Built-in FM-radio

Headset Models and Accessories

Article number	Description	SAP ID
MRX21A3WS6	3M™ PELTOR™ WS™ ALERT™ XPI Headset, App, blue, headband	7100205302
MRX21P3E3WS6	3M™ PELTOR™ WS™ ALERT™ XPI Headset, App, blue, helmet attachment	7100205304
MRX21A3WS6-ACK	3M™ PELTOR™ WS™ ALERT™ XPI, incl. ACK (FR09,FR08, LR6NM), App, blue, headband	7100205299
MRX21P3E3WS6-ACK	3M™ PELTOR™ WS™ ALERT™ XPI, incl. ACK (FR09,FR08, LR6NM), App, blue, helmet attachment	7100205297

Article number	Description	SAP ID
HY82	3M™ PELTOR™ HY82 Hygiene kit (cushion and foamliner)	7100122439
HY80	3M™ PELTOR™ HY80 Gel Sealing Ring	7000127268
210300-664-GF/1	3M™ PELTOR™ Covers for WS™ ALERT™ Headsets, grey, 1 pair (left+right)	7100264003
210300-664-GY/1	3M™ PELTOR™ Covers for WS™ ALERT™ Headsets, bright yellow,1 pair (left+right)	7100264002
210300-664-RD/1	3M™ PELTOR™ Covers for WS™ ALERT™ Headsets, red, 1 pair (left+right)	7100246986
210300-664-BA/1	3M™ PELTOR™ Covers for WS™ ALERT™ Headsets, blue, 1 pair (left+right)	7100246985
210300-664-OR/1	3M™ PELTOR™ Covers for WS™ ALERT™ Headsets, orange, 1 pair (left+right)	7100246983
210300-664-RE/1	3M™ PELTOR™ Covers for WS™ ALERT™ Headsets, pink, 1 pair (left+right)	7100247026
210300-664-SV/1	3M™ PELTOR™ Covers for WS™ ALERT™ Headsets, black, 1 pair (left+right)	7100253622
210300-664-GB/1	3M™ PELTOR™ Covers for WS™ ALERT™ Headsets, neon green, 1 pair (left+right)	7100240624
LR6NM	3M™ PELTOR™ LR6NM NiMH rechargeable AA batteries	7100064688
MT53N-14/1	3M™ PELTOR™ Electret boom microphone, 240mm with plug incl windshield M995/2	7100264326
M995/2	3M™ PELTOR™ M995 Wind shield for speech microphone	7010044372
HY100A	3M™ PELTOR™ HY100A Clean Hygiene Pad	7100064410
HYM1000	3M™ PELTOR™ HYM1000 Microphone protection (4.5 meters)	7100064281
FR08	3M™ PELTOR™ FR08 Power supply with USB connector	7000108521
FR09	3M™ PELTOR™ FR09 Battery charger with USB connector	7100075611

Technical data specifications

Materials:	Headband MRX21A3WS6 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 Wind Shield: foam Antenna: PE, ABS, TPE Charger jack: stainless steel Helmet attachment/Hardhat MRX21P3E3WS6 Cup supporting arm: stainless steel
Battery type:	2xAA Alkaline batteries (or optional NiMH rechargeables)
Operating time:	Approximately 78 hours (Bluetooth® streaming and level-dependent) Approximately 58 hours (FM-radio and level-dependent)
Weight (batteries incl.):	MRX21A3WS6 (headband): 411 g MRX21P3E3WS6 (helmet attachment): 431 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 to +55°C (battery dependent)
Storage temperature:	-20°C to 40°C <90% humidity
Product lifetime in room temperature:	Up to 5 years (excl. batteries)

Use limitation: Never modify or alter this product.

Attenuation Europe

STANDARD EN 352-1:2020

MRX21A3WS6

Headband with foam cushion

	f (Hz)											411 g
	125	250	500	1000	2000	4000	8000	H	M	L	SNR	
Mf (dB)	13.8	19.3	30.4	34.5	37.7	39.5	36.2	37.4	29.4	20.8	31.6	
SD (dB)	2.7	2.4	2.7	3.6	2.3	2.7	4.1	2.3	2.1	2.2	2.0	
APVf = Mf - SD (dB)	11.1	16.9	27.7	30.9	35.4	36.8	32.1	35	27	19	30	

MRX21A3WS6

Headband with gel cushion

	f (Hz)											473 g
	125	250	500	1000	2000	4000	8000	H	M	L	SNR	
Mf (dB)	12.6	19.6	30.4	32.4	40.1	40.5	38.0	37.9	28.8	20.1	31.2	
SD (dB)	2.9	2.0	3.0	2.8	3.3	3.3	2.8	1.9	1.5	2.1	1.6	
APVf = Mf - SD (dB)	9.7	17.6	27.4	29.6	36.8	37.2	35.2	36	27	18	30	

Key:

f = Test frequency
Mf = Mean attenuation value
SD = Standard deviation
APVf (Mf - SD) = Assumed Protection Value
H = High-frequency attenuation value
(predicted noise level reduction for noise with LC - LA = -2dB)
M = Medium-frequency attenuation value
(predicted noise level reduction for noise with LC - LA = +2dB)
L = Low-frequency attenuation value
(predicted noise level reduction for noise with LC - LA = +10dB)
SNR = Single Number Rating (the value that is subtracted from the measured C-weighted sound pressure level, LC in order to estimate the effective A-weighted sound pressure level inside the ear)

STANDARD EN352-3:2020

MRX21P3E3WS6

Carrier attachment with foam cushion earmuff

	f (Hz)											431 g
	125	250	500	1000	2000	4000	8000	H	M	L	SNR	
Mf (dB)	14.2	19.7	29.6	33.4	36.3	39.5	34.6	36	29.2	21.1	31.2	
SD (dB)	3.9	1.9	2.5	1.8	2.5	2.7	4.9	2.3	1.5	2.7	1.7	
APVf = Mf - SD (dB)	10.3	17.8	27.1	31.6	33.8	36.8	29.7	34	28	18	30	

MRX21P3E3WS6

Carrier attachment with gel cushion earmuff

	f (Hz)											495 g
	125	250	500	1000	2000	4000	8000	H	M	L	SNR	
Mf (dB)	11.8	18.6	28.4	33.2	37.9	39.1	36.9	36.9	28.1	19.3	30.4	
SD (dB)	2.3	2.0	2.0	2.7	2.4	3.2	4.1	2	1.3	1.8	1.4	
APVf = Mf - SD (dB)	9.5	16.6	26.4	30.5	35.5	35.9	32.8	35	27	18	29	

3M strongly recommends personal fit testing of hearing protectors. Research suggests that users may receive less noise reduction than indicated by the attenuation label value(s) on the packaging due to variation in fit, fitting skill, and motivation of the user. Refer to applicable regulations or guidance on how to adjust attenuation label values. In the absence of applicable regulations, it is recommended that the attenuation rating be reduced to better estimate typical protection.

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.

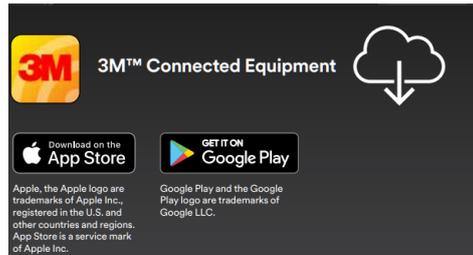
Important notice

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.

3M PSD products are occupational use only. 3M PELTOR products sold in Europe may also be appropriate for certain non-work uses. Always read and follow User Instructions.

In the box

- 1 x Headset
- 2 x AA batteries
- 1 x User Instruction
- 1 x Hygiene Kit
- 1 x Windprotection for the mic
- 2 x pairs of cups blue/yellow



3M Personal Safety Division

3M Svenska AB, Box 2341
SE-331 02 Värnamo
Sweden
www.3M.se/personskydd

3M United Kingdom PLC
3M Centre, Cain Road
Bracknell RG12 8HT
www.3M.co.uk/safety

3M Ireland Limited
The Iveagh Building
The Park, Carrickmines
Dublin 18

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