

# 3M™ PELTOR™ WS™ ALERT™ XP 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

- Attenuating hearing protector comes in two models: headband or a safety helmet attachment
- Bluetooth® technology for connection to an external Bluetooth® device allows for hands-free talking, listening to FM-radio and streaming audio content
- 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
- To reduce the corrosion caused by sweat the electronics are located in the outer part of the cup
- Replaceable covers so you can change to your own choice of colour
- Rechargeable option with NiMH batteries

## Applications

The 3M™ PELTOR™ WS™ ALERT™ XP 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. handymen in construction industries, 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](http://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.



**MRX21A5WS6**



**MRX21P3E5WS6**



Bluetooth® technology for connection to one external device for hands free talk and streaming



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



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



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## Headset Models and Accessories

Article number	Description	3M ID	SAP ID
MRX21A5WS6	3M™ PELTOR™ WS™ ALERT™ XP Headset, App, MRX21A5WS6, grey, headband	UU011473848	7100256283
MRX21P3E5WS6	3M™ PELTOR™ WS™ ALERT™ XP Headset, App, MRX21P3E5WS6, grey, helmet attachment	UU011473830	7100256282

Article number	Description	3M ID	SAP ID
HY82	3M™ PELTOR™ HY82 Hygiene kit (cushion and foamliner)	UU008567388	7100122439
HY80	3M™ PELTOR™ HY80 Gel Sealing Ring	70071524139	7000127268
210300-664-GF/1	3M™ PELTOR™ Covers for WS™ ALERT™ Headsets, grey, 1 pair (left+right)	UU011614870	7100264003
210300-664-GY/1	3M™ PELTOR™ Covers for WS™ ALERT™ Headsets, bright yellow, 1 pair (left+right)	UU011614854	7100264002
210300-664-RD/1	3M™ PELTOR™ Covers for WS™ ALERT™ Headsets, red, 1 pair (left+right)	UU011321732	7100246986
210300-664-BA/1	3M™ PELTOR™ Covers for WS™ ALERT™ Headsets, blue, 1 pair (left+right)	UU011321724	7100246985
210300-664-OR/1	3M™ PELTOR™ Covers for WS™ ALERT™ Headsets, orange, 1 pair (left+right)	UU011321153	7100246983
210300-664-RE/1	3M™ PELTOR™ Covers for WS™ ALERT™ Headsets, pink, 1 pair (left+right)	UU011321138	7100247026
210300-664-SV/1	3M™ PELTOR™ Covers for WS™ ALERT™ Headsets, black, 1 pair (left+right)	UU010322590	7100253622
210300-664-GB/1	3M™ PELTOR™ Covers for WS™ ALERT™ Headsets, neon green, 1 pair (left+right)	UU011140447	7100240624
LR6NM	3M™ PELTOR™ LR6NM NiMH rechargeable AA batteries	XH001659693	7100064688
MT53N-14/1	3M™ PELTOR™ Electret boom microphone, 240mm with plug incl windshield M995/2	UU011614862	7100264326
M995/2	3M™ PELTOR™ M995 Wind shield for speech microphone	XH001679154	7010044372
HY100A	3M™ PELTOR™ HY100A Clean Hygiene Pad	XH001651351	7100064410
HYM1000	3M™ PELTOR™ HYM1000 Microphone protection (4.5 meters)	XH001651328	7100064281
FR08	3M™ PELTOR™ FR08 Power supply with USB connector	XH001680194	7000108521
FR09	3M™ PELTOR™ FR09 Battery charger with USB connector	XH001680616	7100075611

## Technical data specifications

<b>Materials:</b>	<p><b>Headband MRX21A5WS6</b>            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</p> <p><b>Helmet attachment/Hardhat MRX21P3E5WS6</b>            Cup supporting arm: stainless steel</p>
<b>Battery type:</b>	2xAA Alkaline batteries (or optional NiMH rechargeables)
<b>Operating time:</b>	Approximately 78 hours (Bluetooth® streaming and level-dependent) Approximately 58 hours (FM-radio and level-dependent)
<b>Weight (batteries incl.):</b>	MRX21A5WS6 (headband): 411 g MRX21P3E5WS6 (helmet attachment): 431 g
<b>Bluetooth® technology:</b>	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)
<b>Speakers:</b>	27 mm diameter, 100 Ohm
<b>Boom microphone type:</b>	Noise-cancelling electret microphone
<b>Operating temperature:</b>	-20°C to +55°C (battery dependent)
<b>Storage temperature:</b>	-20°C to 40°C <90% humidity
<b>Product lifetime in room temperature:</b>	Up to 5 years (excl. batteries)

Use limitation: Never modify or alter this product.

## Attenuation Europe

### STANDARD EN 352-1:2020

#### MRX21A5WS6

##### Headband with foam cushion

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

#### MRX21A5WS6

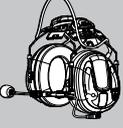
##### Headband with gel cushion

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

### STANDARD EN352-3:2020

#### MRX21P3E5WS6

##### Carrier attachment with foam cushion earmuff

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

#### MRX21P3E5WS6

##### Carrier attachment with gel cushion earmuff

	f (Hz)											
	125	250	500	1000	2000	4000	8000	H	M	L	SNR	
MV (dB)	11.8	18.6	28.4	33.2	37.9	39.1	36.9	36.9	28.1	19.3	30.4	495 g
SD (dB)	2.3	2.0	2.0	2.7	2.4	3.2	4.1	2	1.3	1.8	1.4	
APV = MV - 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.

### In the box

- 1 x Headset
- 2 x AA batteries
- 1 x User Instruction



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In Europe, 3M PELTOR products may also be appropriate for certain non-work uses.

Always read and follow User Instructions.

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