



PELTOR™
Protection & Communication

Keep connected while protected.

3M™ PELTOR™ WS™ ALERT™ X Headset



Conduct all your business from inside your headset. You can now clearly hear incoming callers in your earmuffs by connecting one device using Bluetooth® technology. By using the noise-cancelling boom microphone, you can speak to others at a normal volume even in noisy environments and they can hear you without the surrounding noise interfering with your conversation.

3M Science. Applied to life.™

Keep working while conversing.

Turn your hearing protection into a quiet office you wear to work. In low noise, the ambient/environmental microphones can increase your ability to communicate with nearby colleagues and hear warning signals, approaching vehicles and other machine sounds or processes when needed.



Large buttons and voice-guided menus

The large function buttons are glove friendly. No need to remove the headset for any adjustments. Get immediate voice confirmation after every setting adjustment, including "low battery" voice alert.

Push-to-Listen function

The Push-to-listen (PTL) feature instantly pause your Bluetooth® streaming while increasing your ambient/environmental listening ability, without being tempted to remove your headset.

Hearing protection with enhanced situational awareness

Ambient microphones help you hear oncoming vehicles, alerts, and other warning signals while providing hearing protection when you need it.

Bluetooth® connectivity

Simultaneous, seamless connection to Bluetooth® devices allows for flexibility and mobility. While keeping your hearing protection on, you can easily setup and adjust the headset functions using the iOS and Android compatible mobile 3M™ Connected Equipment App on your phone.

Carry on conversations

Since the headset comes with a noise-cancelling boom microphone, you can stop shouting and now speak in a normal volume.



Durable, practical electronics

To help reduce corrosion caused by sweat, the electronics are located in the outer part of the cup. The dual-shell design helps protect the electronics from moisture.

Two models: Headband or helmet attachment

Both feature long-lasting, stainless steel wire bands that can help provide consistent wear.

Power saving options

Auto-OFF after 4 hours of non-use. Uses two AA alkaline batteries.



“I often work outside in dirty environments and I need to make calls several times a day. With this headset, it is easy to both call and pick up calls, even with my gloves on. I don't need to stop and use my mobile phone. I can do it all in the headset!”

Julia, excavator & land clearing



Get your app, using the QR codes below...



3M™ Connected Equipment



App Store (iOS)



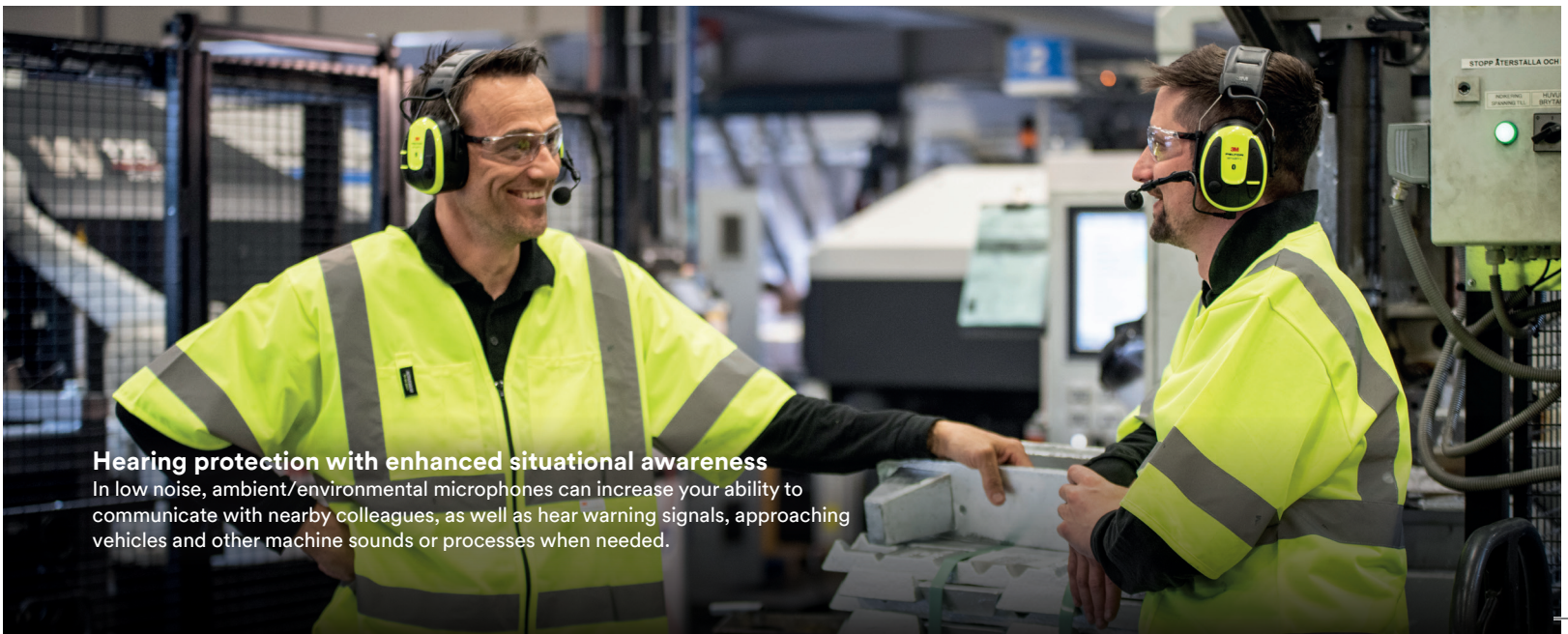
Google Play (Android)

You can download the 3M™ Connected Equipment app, which provides ready access to:

- Easily navigate the headset's menus to set and adjust all of its settings.
- Hygiene kit reminder to let you know when it is time to change the cushions and foamliners.
- User Instructions (both as text and videos)
- Guides
- FAQs
- Tech support contacts
- Important tech data sheet information

This mobile app is free of charge and is part of 3M™ Connected Equipment suite, which enables users to manage, operate and view the status of all your 3M Connected personal protective equipment in one place.

The headset app comes in English as well as several other language options and is iOS and Android compatible.



Hearing protection with enhanced situational awareness

In low noise, ambient/environmental microphones can increase your ability to communicate with nearby colleagues, as well as hear warning signals, approaching vehicles and other machine sounds or processes when needed.

“This headset protects my hearing. I can easily talk with my colleagues as well as streaming my favourite music right in the headset. And besides that, they are comfortable!”

Martin, Electrician



Technical data specifications

Headset models

Model #	Description	3M ID
MRX21A4WS6	3M™ PELTOR™ WS™ ALERT™ X Headset, App MRX21A4WS6, bright yellow, headband	UU011469580
MRX21P3E4WS6	3M™ PELTOR™ WS™ ALERT™ X Headset, App, MRX21P3E4WS6, bright yellow, helmet attachment*1	UU011469598

Accessories

Model #	Description	3M ID
HY82	3M™ PELTOR™ HY82 Hygiene kit (cushion and foamliner)	UU008567388
MT53N-14/1	3M™ PELTOR™ Electret boom microphone, 240mm with plug incl windshield M995/2	UU011614862
M995/2	3M™ PELTOR™ M995 Wind shield for speech microphone, 2 ea	XH001679154
HYM1000	3M™ PELTOR™ HYM1000 Microphone protection, 5 meters	AT010580697
210300-664-OR/1	3M™ PELTOR™ Covers for WS™ ALERT™ Headsets, orange, 1 pair (left+right)	UU011321153
210300-664-RE/1	3M™ PELTOR™ Covers for WS™ ALERT™ Headsets, pink, 1 pair (left+right)	UU011321138
210300-664-SV/1	3M™ PELTOR™ Covers for WS™ ALERT™ Headsets, black, 1 pair (left+right)	UU010322590
HY100A	3M™ PELTOR™ HY100A Clean hygiene pads, single-use “gasket” protectors for ear cushions, self-adhesive	XH001651351

Laboratory Attenuation Data

MRX21A4WS6

AS/NZS 1270:2002

Frequency (HZ)	125	250	500	1000	2000	4000	8000	SLC80	Class	Force Clamp (N)
Mean Attenuation (dB)	16.7	19.4	29.2	33.9	36.0	40.2	39.8	30dB	5	11.3
Standard Deviation (dB)	4.4	2.9	2.9	3.2	2.9	3.4	2.7			
Means minus SD (dB)	12.3	16.5	26.3	30.7	33.1	36.8	37.1			

Hearing protector Class 5 tested to AS/NZS 1270. When selected, used and maintained as specified in AS/NZS 1269, this protector may be used in noise 105dB(A) to less than 110dB(A), assuming an 85dB(A) criterion.

MRX21P3E4WS6 AS/NZS 1270:2002

Frequency (HZ)	125	250	500	1000	2000	4000	8000	SLC80	Class	Force Clamp (N)
Mean Attenuation (dB)	16.9	18.1	27.3	31.7	34.9	39.9	38.4	29dB	5	9.0
Standard Deviation (dB)	3.5	2.9	3.6	3.9	3.5	4.2	4.3			
Means minus SD (dB)	13.4	15.2	23.7	27.8	31.4	35.1	34.1			

Hearing protector Class 5 tested to AS/NZS 1270. When selected, used and maintained as specified in AS/NZS 1269, this protector may be used in noise 105dB(A) to less than 110dB(A), assuming an 85dB(A) criterion.

* These earmuffs were tested in combination with the HC600 industrial safety helmet using the P3G adapter, and may give different levels of protection if fitted to different helmets.

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.



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