



3M™ PELTOR™ WS™ ALERT™ X+ Headset

Product Description



The Bluetooth® MultiPoint headset with noise-cancelling microphone that connects to a mobile app to more easily set-up and adjust the headset. The headset helps to protect you against hazardous noise, but also makes it easy to make phone calls hands-free in noisy environments. It has built-in Li-Ion battery that you charge via a USB-C connector.

Key Features

- Noise-cancelling boom microphone for clear speech transmission in noisy environments
- Connection compatible mobile app to more easily set-up, adjust settings, and view power status of the headset
- OTA (Over the Air) firmware update
- Support Qualcomm® aptX™ HD
- Level-dependent function for ambient listening to help promote auditory situational awareness
- Push-to-Listen feature to listen to your surroundings easily and instantaneously
- Voice-guided menu system
- Auto power off: The headset will turn off after 4 hours of non-use to save battery
- Low-battery warning at low battery level
- Replaceable cushions (hygiene kit)
- Sound attenuation improves the ability to hear the Bluetooth sound

Applications

The 3M™ PELTOR™ WS™ ALERT™ X+ 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., private contractors operating their own

equipment, farmers, maintenance workers in industrial applications, etc.), and everywhere simultaneous hands-free communication and hearing protection could be of benefit.

Headset Models and Accessories

Table 1: X+ Headset Models

Part Number	Description	3M ID
MRX21A3WS7-NA	3M™ PELTOR™ WST™ ALERT™ X+ Headset, App, bright yellow, headband	7100382375
MRX21P3E3WS7-NA	3M™ PELTOR™ WST™ ALERT™ X+ Headset, App, bright yellow, helmet attachment	7100388808

Table 2: X+ Headset Accessories

Article Number	Description	SAP ID
HY82	3M™ PELTOR™ HY82 Hygiene kit (cushion and foamliner)	7100122439
MT53N-14/1	3M™ PELTOR™ Electret boom microphone, 240 mm with plug incl windshield M995/2	7100264326
M995/2	3M™ PELTOR™ M995 windshield for speech microphone, 2 ea	7010044372
HYM1000	3M™ PELTOR™ HYM1000 Microphone protection, 4.5 meters	7100064281
ACK012/1	3M™ PELTOR™ Lithium Ion battery pack	7100379263
HY100A	3M™ PELTOR™ HY100A Clean hygiene pads, single-use "gasket" protectors for ear cushions, self- adhesive, 100 ea/case	7100064410

Laboratory Noise Attenuation Standard ANSI S3. 19-1974

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 and guidance on how to adjust attenuation label value(s). In the absence of applicable regulations, it is recommended that the attenuation label value(s) be reduced to better estimate typical protection. The attenuation rating (SNR) was obtained with the device powered off.

Table 3: MRX21A3WS7-NA Headband earmuffs with foam cushions

Test Frequencies (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	ANSI S.319-1974	
										NRR	CSA Class
Mean attenuation (dB)	13.3	19.7	28.4	35.0	38.4	38.4	38.6	39.2	39.2	23	A
Standard Deviation (dB)	3.4	2.9	2.6	2.9	2.2	3.2	2.2	2.5	3.3		

Table 4: MRX21P3E3WS7-NA Headband earmuffs with gel cushions

										ANSI S.319-1974	
Test Frequencies (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA Class
Mean attenuation (dB)	13.7	18.8	28.2	33.0	36.1	36.8	39.5	38.9	40.0	22	A
Standard Deviation (dB)	3.9	3.0	3.2	2.1	2.8	2.6	1.8	2.7	2.3		

Technical Data Specifications

Materials

- **Headband:** TPE
- **Headband wire:** Stainless steel
- **Two-point fastener:** POM
- **Cushion:** PVC foil and PUR foam
- **Foam liner:** PUR foam
- **Cup:** ABS
- **Shells:** ABS, TPE
- **Level-dependent microphone for ambient listening:** PUR foam
- **Wind shield for speech microphone:** ABS, PA
- **Wind shield:** foam

Power / Electrical Characteristics

- **Battery Type:** Lithium-Ion
- **Operating Time:** Up to 78 hours with stream

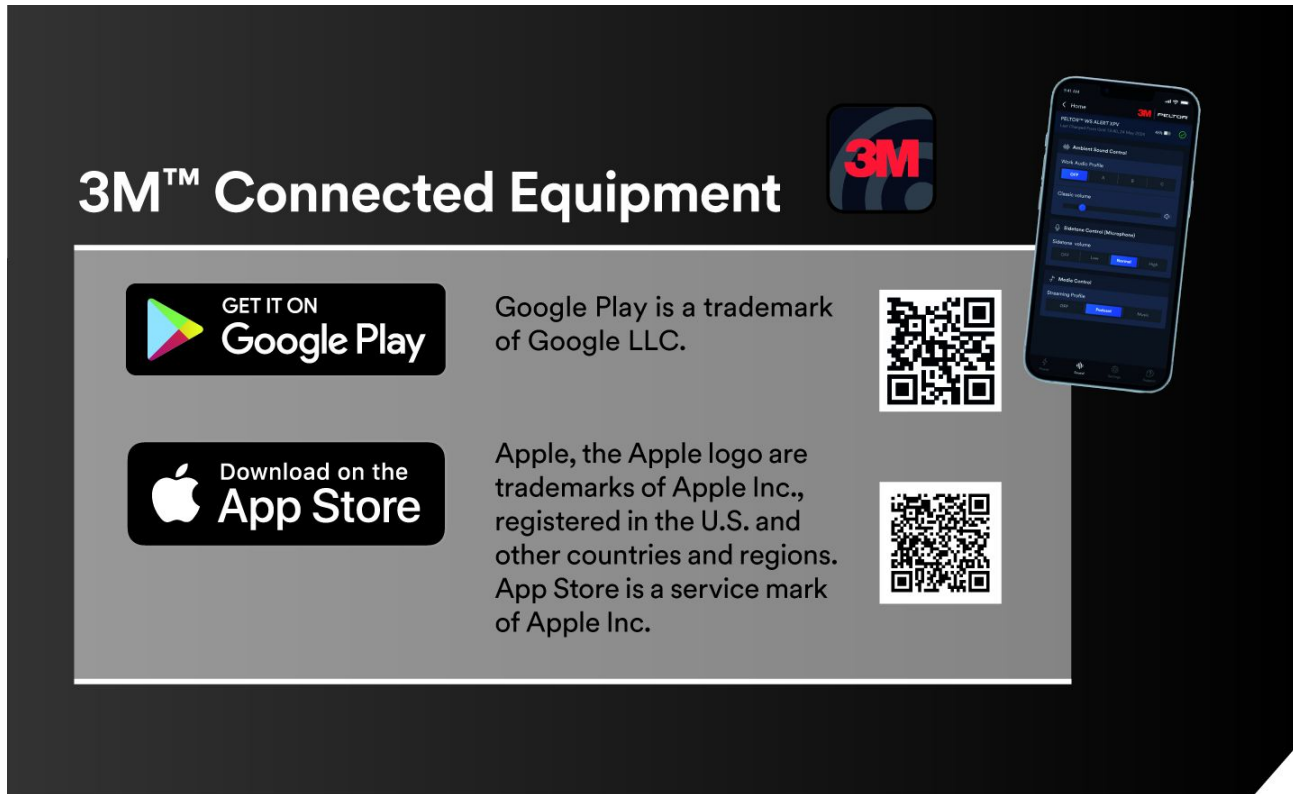
Bluetooth® Technology

- **Bluetooth version:** 5.2
- **Bluetooth headset profile (HSP):** 1.2
- **Bluetooth hands-free profile (HFP):** 1.8
- **Bluetooth Advanced Audio Distribution Profile (A2DP):** 1.3.2
- **Audio/Video Remote Control Profile (AVRCP):** 1.6.2
- **Bluetooth range:** Up to 10m/32.8ft (+4 dBm)

Physical Characteristics

- **Boom microphone type:** Noise-cancelling electret microphone
- **Operating temperature:** -20°C (-4°F) to 50°C (122°F)
- **Storage temperature:** -20°C (-4°F) to 40°C (104°F), <90% humidity
- **Charging temperature:** 0°C (32°F) to 50°C (122°F)
- **Product lifetime:** Up to 5 years (excludes batteries)

3M Connected Equipment QR Code



The advertisement features a dark background with the 3M logo in the top right. The main heading is "3M™ Connected Equipment". Below this, there are two rows of information. The first row includes the Google Play logo with the text "GET IT ON Google Play" and "Google Play is a trademark of Google LLC.", followed by a QR code. The second row includes the Apple App Store logo with the text "Download on the App Store" and "Apple, the Apple logo are trademarks of Apple Inc., registered in the U.S. and other countries and regions. App Store is a service mark of Apple Inc.", followed by another QR code. On the right side, a smartphone is shown displaying the app's interface, which includes sections for "Assistant Board Control", "Work Safety Alerts", "Checklist", "Business Center (Microphone)", "Company History", and "Media Control".

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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.

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