



PELTOR™
Protection & Communication

WS™ ALERT™ Headset Series

**Stay focused,
productive
and safe**

3M Science. Applied to life.™



The future of solar self-charging technology is here...

With more than 75 years of experience, the 3M™ PELTOR™ Brand promises quality communication solutions that help provide an excellent balance of performance and protection.

The advanced engineering and technology inherent with the 3M™ PELTOR™ Brand fits with the high standard of quality and innovation of a continuously evolving range of product solutions that you, our customers, come to expect from 3M.

We strive to set the standard for confidence and trust by providing robust, reliable protective communication equipment. We are also committed to develop products that are more sustainable for the future.

With the 3M™ PELTOR™ WS™ ALERT™ XPV, a solar powered headset with cups partly produced with recycled plastic and electronics that supports Over The Air (OTA) firmware updates to help prolong the product lifetime, we are well on our way.



Powered by
Powerfoyle™

More
Freedom

Clean
Energy

More
Sustainability

...built into the latest hearing protection.

By using the surrounding light to power your headset, it reduces the need of disposable batteries. Innovative light charging material transforming indoor and outdoor light into clean, continuous energy.

More light, more power:

GREAT



GOOD



SOME



NONE





Sustainability

We strive to set the standard for confidence and trust by providing robust, reliable protective communication equipment. We are also committed to develop products that are more sustainable for the future.



Built-in rechargeable Lithium-Ion Battery, reduces waste by eliminating single use batteries.



Over The Air firmware updates help prolong the product lifetime.



Packaging is made from responsibly sourced materials and is recyclable.



Partly produced with recycled plastic.



Made in Sweden with green electricity.



Repairable, spare parts available.

	3M™ PELTOR™ WS™ ALERT™ X	3M™ PELTOR™ WS™ ALERT™ XP+	3M™ PELTOR™ WS™ ALERT™ XPI+	3M™ PELTOR™ WS™ ALERT™ XPV
Built-in rechargeable Lithium-Ion Battery	—	✓	✓	✓
Over The Air firmware updates	—	✓	✓	✓
Partly produced with recycled plastic	—	✓	✓	✓
Solar Charged Headband	—	—	—	✓

Powered by Light



3M™ PELTOR™ WS™ ALERT™ XPV Headset

The solar powered hearing protection headset.

By using the surrounding light to power your headset, it reduces the need of disposable batteries. Innovative light charging material transforming indoor and outdoor light into clean, continuous energy. We have optimized the new software to get a better listening experience when you are streaming from your phone by having **Pod** and **Music** mode. The headset also features Qualcomm® aptX™ HD Adaptive audio, supporting robust and high resolution Bluetooth® wireless audio.

Large buttons and voice-guided menus

No need to remove the headset for any adjustments. Voice confirmation after setting adjustments, including “low battery” voice alert.

Push-to-Listen function

You can pause streaming quickly and turn on the environmental listening with a double press.

Ambient Listening Microphones

In low noise, ambient microphones help you hear oncoming vehicles, alerts, and other warning signals when needed and when it's loud helps provide hearing protection.

Work Audio Profiles

WAP offers a new way to adjust the auditory settings

Multifunction Button

Can be customized to be used for different pre-defined features in the 3M Connected Equipment app.

Powerfoyle™

Solar-charged headband.

Bluetooth®

Bluetooth® MultiPoint technology for connection to one or two external devices for hands-free talk and streaming. Simultaneous, seamless connection to Bluetooth® devices allows for flexibility and mobility.

Qualcomm® aptX™ HD

Qualcomm® aptX™ HD Adaptive audio supports robust, high resolution Bluetooth wireless audio.

Noise-cancelling speech microphone

Helps provide clear communication, in noisy environments.



Improve your workday.

Conduct all your business from inside your headset. You can now clearly hear incoming callers in your headset by connecting one or two devices using Bluetooth® MultiPoint 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.



Functions & Features

Bluetooth®

Bluetooth® MultiPoint technology for connection to one or two external devices for hands-free talk and streaming. Simultaneous, seamless connection to Bluetooth® devices allows for flexibility and mobility.



Qualcomm® aptX™ HD Adaptive audio supports robust, high resolution Bluetooth wireless audio.

Multifunction Button

Can be customized to be used for different pre-defined features in the 3M Connected Equipment app, such as Bluetooth, Mute Microphone, streaming profiles, Time, APS (Audio Pan Setting).

Noise-cancelling speech microphone

Helps provide clear communication, in noisy environments.

APS - Audio Pan Setting

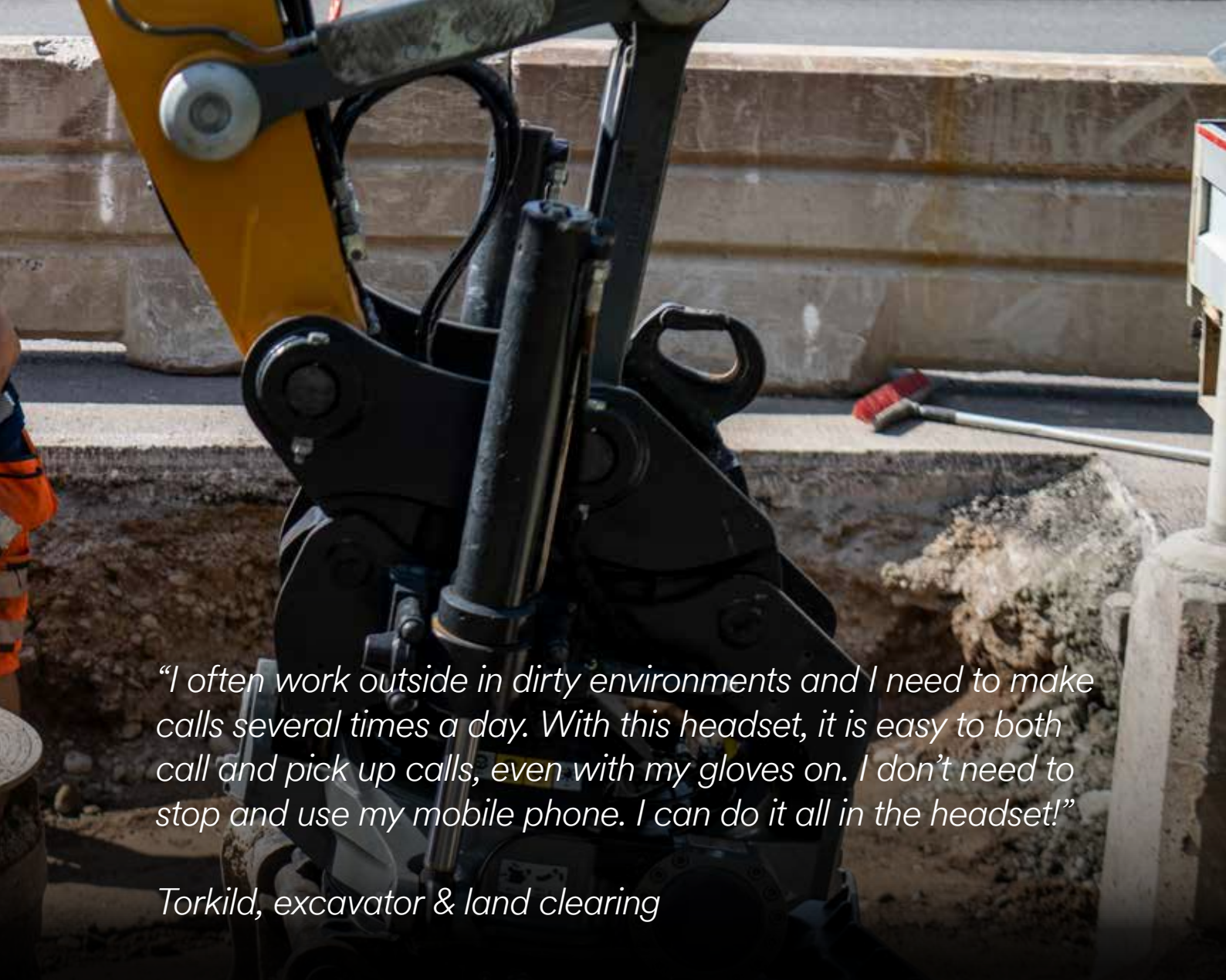
Pan your FM radio or streaming audio to one ear (left or right) which helps with better situational awareness, when using it in combination with the ambient listening function. (XPI +)

3M Connected Equipment App

Control your PELTOR™ Headset through your phone or tablet. The app gives you access to all settings in an easy-to-use interface.

Approved hearing Protection

Tested against EN 352-*: 2020 Standard.



“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!”

Torkild, excavator & land clearing

USB-C built-in charging jacket

Built-in rechargeable Lithium-Ion Battery.

FM-Radio with RDS

Alternate Frequency (AF) auto-switches to a stronger signal for uninterrupted reception. Traffic Announcement (TA) broadcasts traffic reports to help motorists plan routes and avoid congestion.

Large buttons and voice-guided menus

No need to remove the headset for any adjustments. Voice confirmation after setting adjustments, including “low battery” voice alert.

Push-To-Listen function

You can pause streaming quickly and turn on the environmental listening with a double press.

Ambient Listening Microphones

In low noise, ambient microphones help you hear oncoming vehicles, alerts, and other warning signals when needed and when it’s loud helps provide hearing protection.

WAP - Work Audio Profiles

New advanced ambient listening types that allow access to a variety of gain settings, but with frequency shaping, to promote auditory performance in different work environments.

Pod and Music mode

Adapt your listening experience with two different streaming settings for pod and music.

Innovations to help improve your workday.

Protect your hearing at all times. No need to take your hearing protector off to hear warning signals, approaching vehicles or answering the phone. Stay focused and adjust to the surrounding noise by using the different ambient listening profiles.



Comparison Chart of 3M™ PELTOR™ WS™ ALERT™ Series

	3M™ PELTOR™ WS™ ALERT™ X	3M™ PELTOR™ WS™ ALERT™ XP+
FM-Radio with RDS	—	✓
Push-To-Listen (PTL)	✓	✓
Multifunction Button	—	—
Ambient Listening	✓	✓
WAP (Work Audio Profiles)	—	—
Self charging technology	—	—
Qualcomm™ aptX™ HD	—	✓
APS Audio Pan Setting	—	—
Bluetooth®	Bluetooth®	Bluetooth® Multipoint Technology
USB-C charging jack	— (AA Batteries)	USB-C (Built-in Li-Ion Battery)
Noise-cancelling boom microphone	✓	✓
Over the Air Firmware Updates (OTA)	—	✓



3M™ PELTOR™ WS™ ALERT™ XPI+	3M™ PELTOR™ WS™ ALERT™ XPV
--------------------------------	-------------------------------

✓	—
✓	✓
✓	✓
✓	✓
✓	✓
—	✓
✓	✓
✓	—
Bluetooth® Multipoint Technology	Bluetooth® Multipoint Technology
USB-C (Built-in Li-Ion Battery)	USB-C (Built-in Li-Ion Battery)
✓	✓
✓	✓



WS™ ALERT™ X
Helmet attachment



WS™ ALERT™ XP+
Helmet attachment



WS™ ALERT™ XPI+
Helmet attachment



3M™ Connected Equipment App

Control your PELTOR™ Headset through your phone or tablet. The app gives you access to all settings in an easy-to-use interface.

The mobile app simplifies the setup process, allows you to set your favorite radio channel, customize your audio experience, and monitor the power status of your headset. If there is a new firmware update available, you can get it via the mobile app (OTA). For the XPV, you can also monitor the charge you get from the solar cell and view a variety of different statistics.

Control Interface tabs*

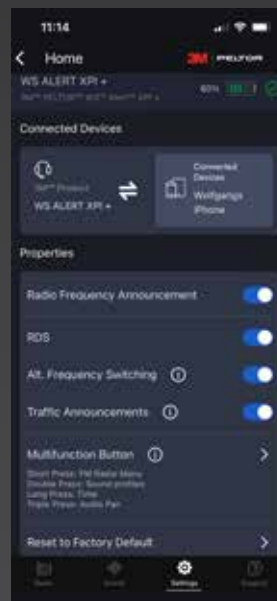
* The app screens and functions adapts to the connected headset model.



Power
A good overview of the power charging process.



Sound settings
Choose your streaming profile or change between WAP or Classic mode on the ambient listening.



Settings
Set up your MultiFunction button and other settings.



Statistics
See battery levels and how much your hearing protection has charged over time.

Download the App



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.

Google Play is a trademark of Google LLC.

Adapt and optimize the environmental listening to different scenarios.

With the new WAP (Work Audio Profiles) or Classic mode you decide what you need to hear, helping you concentrate your situational awareness on that which is important. Applicable for 3M™ PELTOR™ WS™ ALERT™ XPI and XPV.

WAP

Profiles:

			Sound pass through	Outside sound level
OFF		Suited for: Loud noise environments or when situational awareness is not required.		
A		Suited for: Environments with constant noise.		
B		Suited for: Varying noise levels.		
C		Suited for: Less noisy environments where you need to hear speech and some environmental sound.		

Classic

Volume Control:

			Sound pass through	Outside sound level
OFF		Suited for: Normal volume control allows for manual adjustment of the ambient microphones.		
+				

3M™ PELTOR™

WS™ ALERT™ Features

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.

WS™ ALERT™ X

Large buttons and voice-guided menus

No need to remove the headset for any adjustments. Voice confirmation after setting adjustments, including “low battery” voice alert.

Push-to-Listen function

You can pause streaming quickly and turn on the environmental listening with a double press.

Ambient Listening Microphones

In low noise, ambient microphones help you hear oncoming vehicles, alerts, and other warning signals when needed and when it's loud helps provide hearing protection.

Stainless steel

The headset features long-lasting, stainless steel wire bands that can help provide consistent wear experience.

Bluetooth®

Bluetooth® technology for connection to one external device for hands-free talk and streaming. Simultaneous, seamless connection to Bluetooth® devices allows for flexibility and mobility.

Approved Hearing Protection (EN 352-2020)

Noise-cancelling speech microphone

Helps provide clear communication, in noisy environments.



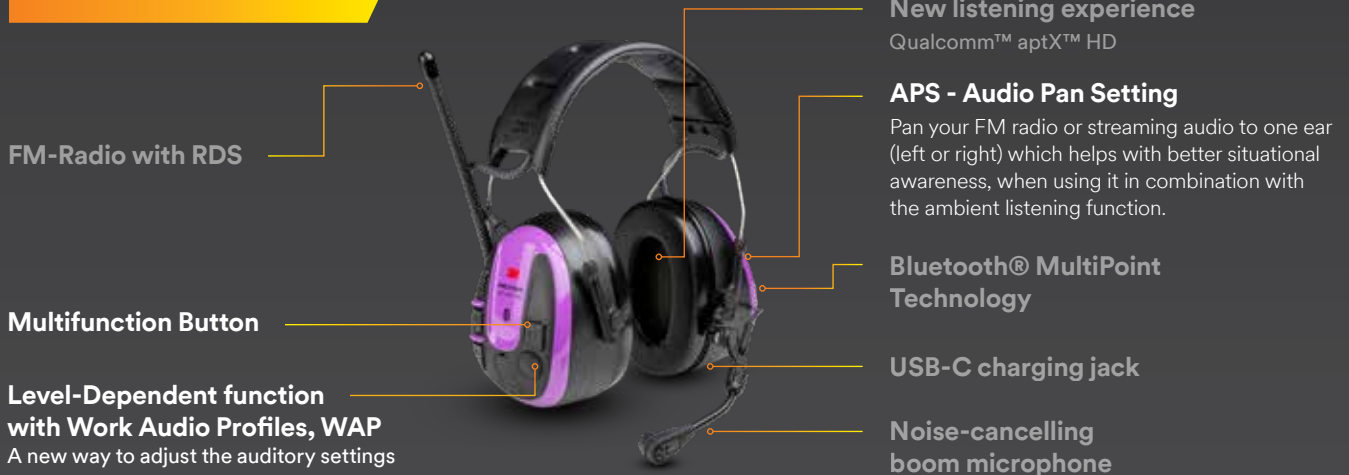
WS ALERT + features.

WS™ ALERT™ XP+, XPI+ and XPV all have the features from the WS ALERT X. Below are additional features and functions for the XP+, XPI+ and XPV.

WS™ ALERT™ XP+



WS™ ALERT™ XPI+



WS™ ALERT™ XPV



Ordering information

Headset models

Article number	Description	SAP ID
MRX21A4WS6	3M™ PELTOR™ WS™ ALERT™ X Headset, App MRX21A4WS6, bright yellow, headband	7100257811
MRX21P3E4WS6	3M™ PELTOR™ WS™ ALERT™ X Headset, App, bright yellow, helmet attachment	7100256658
MRX21A2WS7	3M™ PELTOR™ WS™ ALERT™ XP+ Headset, WS7, App support, headband, FM Radio, MultiPoint Bluetooth, OTA 10 each/case turquoise	7100333019
MRX21P3E2WS7	3M™ PELTOR™ WS™ ALERT™ XP+ Headset, WS7, App support, helmet attachment, FM Radio, MultiPoint Bluetooth, OTA 10 each/case turquoise	7100333873
MRX21AWS7	3M™ PELTOR™ WS™ ALERT™ XPI+ Headset, WS7, App support, headband, FM Radio, MultiPoint Bluetooth, WAP, OTA 10 each/case purple	7100336246
MRX21P3EWS7	3M™ PELTOR™ WS™ ALERT™ XPI+ MRX21P3EWS7 Headset, WS7, App support, helmet attachment, FM Radio, MultiPoint Bluetooth, WAP, OTA 10 each/case purple	7100336405
MRX21A1WS7	3M™ PELTOR™ WS™ ALERT™ XPV Headset with Powerfoyle™ Solar Cell Technology, Multipoint, headband	7100282733

Spareparts & Accessories

Article number	Description	SAP ID
HY82	3M™ PELTOR™ Hygiene kit (cushion and foamliner)	7100122439
HY80S-EU	3M™ PELTOR™ Gel Rings (Gel ring and foamliner)	7100121710
MT53N-14/1	3M™ PELTOR™ Electret boom microphone, 240mm with plug incl windshield M995/2	7100264326
M995/2	3M™ PELTOR™ Wind shield for speech microphone, 2 ea	7010044372
HYM1000	3M™ PELTOR™ Microphone protection, 4.5 meters	7100064281
ACK012/1	3M™ PELTOR™ Lithium Ion Battery pack	-
FR16/1	3M™ PELTOR™ Charging cable USB A® to USB C®	7100369998
HY100A	3M™ PELTOR™ Clean hygiene pads, single-use "gasket" protectors for ear cushions, self-adhesive, 100 ea/case	7100064410
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-GB/1	3M™ PELTOR™ Covers for WS™ ALERT™ Headsets, neon green, 1 pair (left+right)	7100240624

NOTE: Spareparts and Accessories above are not included with the product and needs to be ordered separately.







3M Personal Safety Division
3M Svenska AB
Box 2341
SE-331 02 Värnamo, Sweden
www.3M.com

3M™ PSD products are for occupational use only.
In Europe, 3M PELTOR products may also be appropriate for certain non-work uses.

Please recycle. Printed in Sweden. © 3M 2025. All rights reserved. The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by 3M Company is under license. Qualcomm aptX is a product of Qualcomm Technologies, Inc. and/or its subsidiaries. Qualcomm is a trademark of Qualcomm Incorporated, registered in the United States and other countries. aptX is a trademark of Qualcomm Technologies International, Ltd., registered in the United States and other countries. The Powerfoyle™ wordmark and logos are registered trademarks owned by Exeger Operations AB. USB Type-C® and USB-C® are registered trademarks of USB Implementers Forum. 3M, PELTOR, WS and ALERT are trademarks of 3M Company, used under license in Canada.