



PELTOR™
Protection & Communication

Powered by Light



3M™ PELTOR™ WS™ ALERT™ XPV Headset
The solar powered hearing protection headset.



3M Science. Applied to life.™



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

With more than 70 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 rugged, reliable protective communication equipment. We are also committed to develop products that are more sustainable for the future.

With the 3M™ PELTOR™ WST™ 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



Innovations to improve your workday.

Turn your hearing protection into a quiet office you wear to work. Conduct business from inside your headset by connecting to your mobile device using Bluetooth® technology. Talk in a normal volume even in noisy environments by using the noise-canceling speech microphone.

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.





For people
in the real
outdoor
industries.



Stay...

...charged,

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.



productive,

Turn your hearing protection into a quiet office you wear to work. Clearly hear incoming callers in your earmuffs by connecting one device using Bluetooth® technology.



focused...

Stay focused and adjust to the surrounding noise by using the different ambient listening profiles.



...and safe

Protect your hearing at all times. No need to take your hearing protector off to hear warning signals, approaching vehicles or answering the phone.

Adapt and optimize the environmental listening to different scenarios.

3M™ PELTOR™ WS™ ALERT™ XPV has microphones that catch the sounds around you. 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.






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™ Connected Equipment App

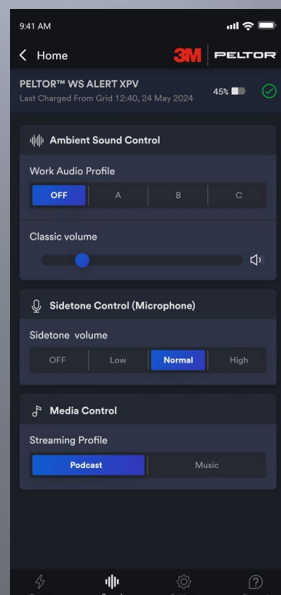
Control your PELTOR™ Headset through your phone or tablet. The app gives you access to all settings in an easy-to-use interface.

The app lets you see just how much more battery life you're getting out of your PELTOR™ WS™ ALERT™ XPV. Statistics show how much your hearing protection has charged over time. You also have access to supporting information such as datasheet and User Guide. Over-The-Air firmware update (OTA).



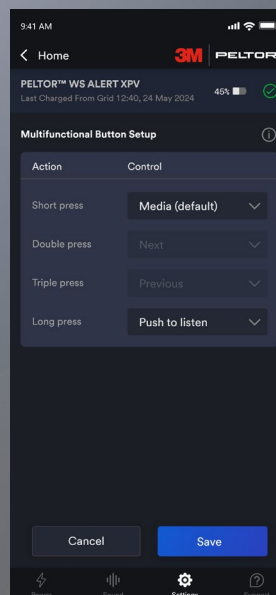
Power

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.



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.



Sustainability



Built-in rechargeable Lithium-Ion Battery with solar charging, 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 100% recyclable.



Partly produced with recycled plastic.



Made in Sweden with 100% green electricity.



Repairable, spare parts available.

Technical data specifications

Headset models

Article number	Description	SAP ID
MRX21A1WS7-NA	3M™ PELTOR™ WS™ ALERT™ XPV Headset with Powerfoyle™ Solar Cell Technology, Multipoint, headband	7100333745

Accessories

Article number	Description	SAP ID
HY82	3M™ PELTOR™ HY82 Hygiene kit (cushion and foamliner)	7100122439
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, 2 ea	7010044372
HYM1000	3M™ PELTOR™ HYM1000 Microphone protection, 4.5 meters	7100064281
ACK012/1	3M™ PELTOR™ Lithium Ion Battery pack	Consult your 3M Specialist for availability
HY100A	3M™ PELTOR™ HY100A Clean hygiene pads, single-use “gasket” protectors for ear cushions, self-adhesive, 100 ea/case	7100064410



HY82



MT53N-14/1



M995/2



HYM1000



ACK012/1



HY100A



3M Personal Safety Division

3M Center, Building 235-2NW-70
St. Paul, MN 55144-1000

For more information:

Technical Service 1-800-665-2942
Customer Service 1-800-328-1667
3M.com/PELTOR

3M Canada

PO Box 5757
London, ON N6A 4T1
Canada

For more information:

Technical Assistance: 1-800-267-4414
3M.ca/PELTOR

3M™ PSD products are for occupational use only.

Please recycle. Printed in USA. © 3M 2025. All rights reserved. The Bluetooth® wordmark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by 3M Company is under license. The Powerfoyle™ wordmark and logos are registered trademarks owned by Exeger Operations AB. 3M, PELTOR, WS and ALERT are trademarks of 3M Company, used under license in Canada.