



3M™ SecureFit™ Forestry Kit with PELTOR™ WS™ Alert™ XPI+ Headset

Product Description

The Forestry kit helmet headset combines an X5500V safety helmet with an etched metal faceshield and a Bluetooth® headset with a noise-cancelling boom microphone. This kit is designed to help protect against falling objects, hazardous debris and noise specific to forestry applications and at the same time help 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 with RDS that you can preprogram to easily listen to your favorite channels.



Key Features

- 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
- 3M™ SecureFit™ Pressure Diffusion suspension system flexes and self-adjusts to the size of the wearer's head, reducing forehead pressure and increasing comfort for all-day wear
- An easy-turning 6-point ratchet suspension system fitted low on the head for comfort and security
- 3M™ Mesh Faceshields offer eye and face protection from flying wood chips and particles, whilst allowing fog-free vision and increased ventilation when working in difficult outdoor conditions
- The etched Metal Mesh offers good visibility with low light reduction in the main viewing area whilst covering the face
- Push-to-Listen (PTL) feature to easily and instantaneously listen to your surroundings
- Built-in FM-radio with RDS (Radio Data System)
- Voice-guided menu system with the option to choose announced FM-radio frequencies
- The headset will automatically turn off after four hours of non-use to save battery life
- USB-C charging jack and built-in Lithium-Ion battery.
- The patented 3M™ UVicator™ can help indicate when it is time to replace the helmet as a result of excess exposure to ultraviolet (UV) radiation
- OTA (Over the Air) firmware update
- APS (Audio Pan Setting): Panning your FM-radio or streaming audio between left, right, or center
- WAP (Work Audio Profiles)

				
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	Built-in FM-radio	Level-dependent function for ambient listening to help improve auditory situational awareness

Applications

The SecureFit™ Forestry kit with Peltor™ WS™ Alert™ XPI+ headset offers wireless communication to your phone in noisy environments. It also helps to protect from wood chips with the etched faceshield. The safety helmet comes with easy adjustable ratchet. This combination is a good fit for the professional forestry worker.

Approvals

PELTOR™ WS™ Alert™ XPI+ headset meet requiremnt of PPE Regulation (EU) 2016/425 and are CE marked. The product has been tested and approved in accordance with EN 352-1:2020, EN 352-3:2020, EN 352-4:2020, EN 352-6:2020, EN 352- 8:2020. The full text of the Declaration of Conformity is available at the following internet address: www.3M.com/PELTOR/DOC

The 3M™ Mesh Faceshield 5 Series meet the requirements of the PPE Regulation (EU) 2016/425 and are thus CE marked. The products have been examined by DIN CERTCO Gesellschaft für Konformitätsbewertung mbH, Alboinstrasse 56, 12103 Berlin, Germany (Notified Body number 0196). 5J-1 has been tested and approved in accordance with EN 1731:2006. The applicable Certificate(s) and Declaration(s) of Conformity are available at the following internet address: www.3M.com/Head/Certs

The 3M™ X5500 SecureFit™ Safety Helmets meet the requirements of the PPE Regulation (EU) 2016/425 and are thus CE marked. The products have been tested and approved by BSI Group, The Netherlands B.V. Say Building, John M. Keynesplein 9, 1066 EP Amsterdam, The Netherlands, Notified Body No. 2797. X5500 has been tested and approved in accordance with EN 397:2012+A1:2012. The applicable Certificate(s) and Declaration(s) of Conformity are available at the following internet address: www.3M.com/Head/Certs

A copy of the Declaration of Conformity and additional information required in the Regulations can also be obtained by contacting 3M in the country of purchase.

Headset Models and Accessories

Table 1: Forestry Kit XPI Headset Models

Part number	Description	3M ID
X5507VMRXV5J-CE	3M™ SecureFit™ Forestry Kit with PELTOR™ WS™ Alert XPI+ Headset, multipoint Bluetooth,etched face shield, SecureFit™ safety helmet, rainshield and 6-Point suspension. 4/CS	7100330456

Table 2: Forestry Kit XPI Headset Accessories

Article Number	Description	SAP ID
HY82	3M™ PELTOR™ HY82 Hygiene kit (cushion and foamliner)	7100122439
HY80S-EU	3M™ PELTOR™ HY80S-EU Hygiene Kit (Gel ring and foamliner)	7100121710
210300-664-OR/1	3M™ PELTOR™ Covers for WS™ ALERT™ Headsets, orange, 1 pair (left+right)	7100246983
MT53N-14/1	3M™ PELTOR™ Electret boom microphone, 240mm 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
X5507V	3M™ SecureFit™ Safety Helmet	7100175596
5J-1	3M™ 5-series Etched Metal Faceshield	7000103793
X5-6PTSUS	3M™ SecureFit™ 6-Point Suspension	7100180703
X5-SWBD02	3M™ SecureFit™ Sweatband	7100241118

Technical Data Specifications

Materials

- **MRX21P3EWS7-OR WS ALERT XPI+ Headset:**
 - Helmet attachment 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: PET foam
 - Wind shield for speech microphone: PUR, TPE, PA Wind shield: foam
- **5J-1 Etched metal faceshield:**
 - U5B faceshield holder: polyamide
 - GR3C: PVC
 - Shells: ABS, TPE

Power / Electrical Characteristics

- **Battery Type:** Polymer Li-Ion, Rechargeable
- **Operating Time:** Approximately 78 hours (Bluetooth® streaming and level-dependent); Approximately 58 hours (FM-radio and level-dependent)

Bluetooth® technology

- **Bluetooth version:** 5.2
- **Bluetooth headset profile (HSP):** 1.2
- **Bluetooth hands-free profile (HFP):** 1.8
- **Bluetooth Advanced Auto Distribution Profile (A2DP):** 1.3.2
- **Bluetooth Range:** Up to 10 m

Physical Characteristics

- **Boom microphone type:** Noise-cancelling electric microphone
- **Product lifetime:** Up to 5 years (excludes batteries)
- **Weight (batteries included):**
 - MRX21P3E5WS6 (helmet attachment): 398 g
 - X5500V: 328 g
 - 5J-1: 53 g

Use limitation: Never modify or alter this product.

Do not use this safety helmet against hazards other than those specified in the user instruction.

Use, store and maintain the safety helmet in accordance with the user instruction.

Laboratory Noise Attenuation Standard EN 352-3:2020

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.

Table 3: MRX21P3EWS7* Carrier attachment with foam cushion earmuff

	f(Hz)							H	M	L	SNR	Weight
	125	250	500	1000	2000	4000	8000					
MV (dB)	13.3	18.5	31.0	33.9	36.7	40.1	37.5	37.1	28.8	20.1	31.0	379 g
SD (dB)	3.7	2.4	2.4	2.7	3.1	3.6	4.1	2.2	1.7	2.6	1.6	
APV = MV - SD (dB)	9.6	16.1	28.6	31.3	33.6	36.5	33.4	35	27	18	29	

Table 4: MRX21P3EWS7* Carrier attachment with gel cushion earmuff

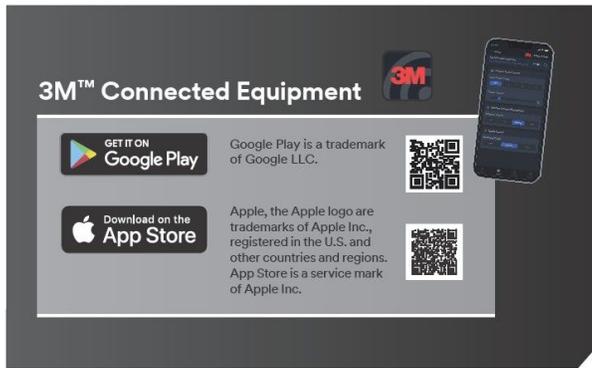
	f(Hz)							H	M	L	SNR	Weight
	125	250	500	1000	2000	4000	8000					
MV (dB)	12.7	18.6	31.1	34.5	37.3	42.6	38.3	37.9	29.0	19.9	31.2	440 g
SD (dB)	2.8	1.7	2.3	2.0	2.7	4.0	3.2	1.5	1.4	2.2	1.4	
APV = MV - SD (dB)	9.8	16.8	28.8	32.5	34.6	38.6	35.1	36	28	18	30	

* Approved for Small, Medium and Large head size.

In the Box

- 1 x Headset
- 1 x Helmet
- 1 x Faceshield

- 1 x Rainshield
- 1 x User Instructions for each PPE



Warranty and Important Notice

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.

Important Notice

3M does not accept liability of any kind, be it direct or consequential (including, but not limited to, loss of profits, business and/or goodwill) arising from reliance upon any information herein provided by 3M. The user is responsible for determining the suitability of the products for their intended use. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence. 3M acknowledges the respective Trademark Owners' rights in this literature.



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