



## 3M™ PELTOR™ WS™ ProTac XPI Headset

### Hearing protector with Bluetooth® Connectivity and Level-dependent Technology for critical communication in noisy environments

#### Product Description

The update of the 3M PELTOR WS ProTac XPI Headset brings many improvements and new exciting features that can help improve the safety and efficiency in critical communication.

Level-dependent technology for ambient listening can help you to hear important sounds from the surroundings. With the new feature Push-To-Listen, PTL, you can communicate face-to-face with people standing close by a noisy environment without being tempted to remove your hearing protection.

Bluetooth connectivity for seamless connection to external devices. Support for Bluetooth Multipoint for simultaneous connection of 2 phones (selectable in Set-up mode).

#### Key Features

- Bluetooth 4.2 including MultiPoint.
- Improved MMI menu set-up for easier handling in daily operations.
- Bright yellow color for enhanced visibility.
- New noise cancelling water resistant speech microphone. Improved speech intelligibility and IP68 rated for use in noisy and demanding environments.
- Support for Bluetooth A2DP, streaming (selectable in Set-up mode).
- Auto power off: The headset will turn off after 4 hrs of non-use to save battery.
- Low-battery warning at low battery level.
- New FLX2 accessory jack (selected models) for ability to add an additional external source via cable for safe and independent communication.
- Ground Mechanic solution included in main product.
- Compatible with 3M PELTOR WS Ground Mec adapter.



MT15H7AWS6 / MT15H7AWS6-111



MT15H7P3EWS6 / MT15H7P3EWS6-111

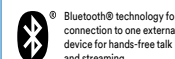
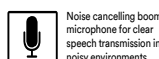
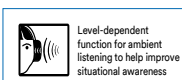
#### Applications

The 3M PELTOR WS ProTac XPI Headset offers Bluetooth Connectivity and Level-dependent Technology for critical communication in noisy environments. Useful when users need to be connected to their mobile device (e.g. process operators, push-back operators at airports, maintenance etc.); everywhere critical communication and hearing protection is required.

#### Headset Models and Accessories

Article number	Description	Accessory jack	3M Id
MT15H7AWS6	3M™ PELTOR™ WS™ ProTac XPI Headset, headband	No	7100196045
MT15H7P3EWS6	3M™ PELTOR™ WS™ ProTac XPI Headset, helmet attachment	No	7100195960
MT15H7AWS6-111	3M™ PELTOR™ WS™ WS ProTac XPI FLX2 Headset, headband	Yes	7100195906
MT15H7P3EWS6-111	3M™ PELTOR™ WS™ WS ProTac XPI FLX2 Headset, helmet attachment	Yes	7100195961

Article number	Description	3M Id
HY83	3M™ PELTOR™ HY83 Hygiene kit, 2 foam liners, 2 snap-in cushions	7100113964
HY80	3M™ PELTOR™ Gel snap-in cushions	7000127468
ACK053	3M™ PELTOR™ ACK053 Rechargeable NiMH battery, 2100mAh	7100075338
FR08	3M™ PELTOR™ FR08 Power supply with USB connector	7000108521
FR09	3M™ PELTOR™ FR09 Battery charger with USB connector	7100075611
M171/2	3M™ PELTOR™ M171/2 Windshield for MT73 speech microphone 2ea	7100112112
M60/2	3M™ PELTOR™ M60/2 Windshield for Level-dependent microphones 2ea	7000039650
HY100A	3M™ PELTOR™ HY100A Clean Hygiene Pad, 100pcs	7100064410
HYM1000	3M™ PELTOR™ HYM1000 Microphone protection, 5 meters	7100064281



# Technical data specifications

Model	Weight (incl. batteries)
Headband:	MT15H7AWS6 = 365g (With HY80 = 424g) MT15H7AWS6-111 = 373g (With HY80 = 432g)
Helmet attachment:	MT15H7P3EWS6 = 387g (With HY80 = 449g) MT15H7P3EWS6-111 = 395g (With HY80 = 457g)

## Materials

Attachment wire:	Stainless steel
Two-point fastener:	Acetal
Ear cushion:	PVC foil and polyether foam
Inline foam:	Polyether foam
Cup:	ABS plastic
Operating temperature:	-20°C to +50°C (battery dependent)
Operating time:	Approximately 45 hours of battery lifetime with included alkaline batteries

## Bluetooth® Wireless Technology

Version:	4.2+EDR
Frequency:	2400-2483.5 MHz
Supported profiles:	HF/HS version 1.5, A2DP version 1.2
Output power	2,5 mW

## Level dependent function

Mode:	Stereo
Auto power off:	4 hours from last activation
Menu voice guide language:	English

## Storage

Recommended storage conditions:	-20° C - +50° C, <90% humidity
Recommended max. shelf life:	5 years except the batteries, <1 year

**User limitation:** Never modify or alter this product

## FLX2 cables

Art. number	Description	3M Id
FLX2-111	3M™ PELTOR™ Cable for Hytera DP7*	7100197719
FLX2-35	3M™ PELTOR™ Cable for Icom angeld 2-pin	7100197556
FLX2-44	3M™ PELTOR™ Cable for Icom F31/F41	7100197565
FLX2-64	3M™ PELTOR™ Cable for Icom F34/F44	7100197568
FLX2-36	3M™ PELTOR™ Cable for Kenwood 2-pin	7100193170
FLX2-107-50	3M™ PELTOR™ Cable for Kenwood NX5000 EX	7100185797
FLX2-21	3M™ PELTOR™ Cable for Motorola GP300/DP1400	7100193228
FLX2-32	3M™ PELTOR™ Cable for Motorola GP340	7100193227
FLX2-65	3M™ PELTOR™ Cable for Motorola GP344	7100197572
FLX2-18	3M™ PELTOR™ Cable for Motorola GP900	7100197566
FLX2-63-50	3M™ PELTOR™ Cable for Mototrbo DP4*** EX	7100185795
FLX2-28	3M™ PELTOR™ Cable for Mobile/Dect phone	7100193229
FLX2-101	3M™ PELTOR™ Cable for Sepura STP 8*/9*	7100197718

## In the box

- 1 x Hearing protector
- 2 x AA batteries (non re-chargeable)
- 1 x User instruction



**SIGMACOM**  
radiocommunication.ch

Rue de la Dixence 49 – CH-1950 Sion  
T +41 (0)27 322 41 01 F +41 (0)27 322 41 02  
info@sigmacom.ch – www.sigmacom.ch

Please recycle. Printed in Sweden.  
© 3M 2019. 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.  
3M, PELTOR and WS are trademarks of 3M Company and its affiliates.

## Laboratory Attenuation

MT15H7AWS6 / MT15H7AWS6-111								EN352-1:2002
Frequency (Hz)	125	250	500	1000	2000	4000	8000	SNR
Mean Attenuation (dB)	14.4	24.6	35.8	36.0	34.3	35.0	34.8	31
Standard deviation (dB)	3.1	1.8	3.2	2.7	2.3	3.0	3.4	
Assumed Protection Value (dB)	11.3	22.8	32.6	33.3	32.0	32.0	31.4	

H=33 dB M=30 dB L=20 dB

MT15H7P3EWS6 / MT15H7P3EWS6-111								EN352-3:2002
Frequency (Hz)	125	250	500	1000	2000	4000	8000	SNR
Mean Attenuation (dB)	18.7	25.4	33.0	38.0	34.3	34.4	34.3	31
Standard deviation (dB)	3.2	3.4	3.3	4.5	3.8	3.6	5.0	
Assumed Protection Value (dB)	15.5	22.0	29.7	33.5	30.5	30.8	29.3	

H=31 dB M=30 dB L=23 dB

MT15H7AWS6 / MT15H7AWS6-111 with HY80 GEL rings								EN352-1:2002
Frequency (Hz)	125	250	500	1000	2000	4000	8000	SNR
Mean Attenuation (dB)	15.2	23.6	36.1	37.1	34.9	38.0	37.4	32
Standard deviation (dB)	1.9	1.7	2.7	2.2	2.5	2.7	3.3	
Assumed Protection Value (dB)	13.3	21.9	33.4	34.9	32.4	35.3	34.1	

H=34 dB M=31 dB L=22 dB

MT15H7P3EWS6 / MT15H7P3EWS6-111 with HY80 GEL rings								EN352-3:2002
Frequency (Hz)	125	250	500	1000	2000	4000	8000	SNR
Mean Attenuation (dB)	18.0	23.1	32.1	37.6	35.1	35.1	36.7	31
Standard deviation (dB)	2.2	4.4	3.9	2.7	3.5	2.7	5.7	
Assumed Protection Value (dB)	15.8	18.7	28.2	34.9	31.6	32.4	31.0	

H=32 dB M=29 dB L=21 dB

## Criterion levels according to EN 352-4:

H=117dB(A)  
M=111dB(A)  
L=97dB(A)

**WARNING!** Research suggests that users may receive less noise reduction than indicated by the attenuation value(s) on the packaging, due to variation in fit, fitting skill, and motivation of the user. Refer to your applicable regulations for guidance on how to adjust label values and estimate attenuation. In addition, 3M strongly recommends fit testing of hearing protectors.

## Approved Safety Helmets

Helmet Model	Size
3M™ SecureFit™ Safety Helmet X5000	S/M/L
3M™ SecureFit™ Safety Helmet X5500	S/M/L
3M™ G3000 Basic Set	L
3M™ G2000	S/M/L
3M™ G3501	L
3M™ Versaflo M-306, M-307	

## Standards and Approvals

Hereby, 3M Svenska AB declares that the product is in compliance with appropriate directives or regulations to fulfill the requirements for the CE marking.

The full text of the EU declaration of conformity is available at the following internet address: [www.3M.com/PELTOR/DOC](http://www.3M.com/PELTOR/DOC). A copy of the declaration of conformity and additional information required in the directives or regulations can also be obtained by contacting 3M in the country of purchase.

### 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.  
3M PSD products are intended for occupational use only.