

3M™ PELTOR™ SportTac™ Headset

Technical Data Sheet



Description

3M™ PELTOR™ SportTac™ Headset is designed for use whilst hunting or shooting. They help protect against harmful impact noise, whilst allowing ambient sounds to be heard*.

Features

- Attenuating hearing protector
- Level dependent function for ambient listening
- Interchangeable shells makes it easy to change colours
- Auto power off, the headset will turn off after 2 hrs of non-use to save batteries.
- Foldable headband for easy storage
- J22 input for connection to external devices

Applications

Hunting and Shooting.

Standards

These 3M™ PELTOR™ Headsets have been tested by an accredited laboratory in accordance with the requirements stipulated in Australian/New Zealand Standard AS/NZS 1270:2002.

Declaration(s) of Conformity are available at www.3M.com/Hearing/certs.



Level-dependent function for ambient listening to help improve situational awareness



Hearing protection with external audio input for listen only



MT16H210F-478-GN

* For user protection, output from headset is not above 82 dB for all sources at a maximum power of 18.5 mV RMS.

Quick Reference

3M™ PELTOR™ SportTac™ Folding Headband

Attenuation Data	
SLC80	24dB
Class	4
Tested to	AS/NZS1270:2002
Physical Properties	
Clamp Force	10.2 N
Weight (Batteries Included)	318g
Material Listing	
Cup	ABS Plastic
Headband	PVC, PA, Stainless Steel Wire
Helmet Attachment Arm	N/A
Two-Point Fastener	POM
Cushion	PVC foil and PUR foam
Insert (Liner)	PUR foam
Level Dependent Microphone for Ambient Listening	PUR foam
Latch	PA
On/Off/Mode/+/- Button	TPE
Specifications	
Battery Type	2xAAA batteries (Alkaline)
Operating Time	Approximately 600h (depending on battery brand and temperature)
Wired connectivity	3.5mm listen-only stereo input jack*
Microphone/ Type	N/A
Operating temperature	-20°C (-4°F) to 50°C (122°F) (battery dependent)
Storage temperature	-20°C (-4°F) to 40°C (104°F) <90% humidity
Product lifetime	Up to 5 years (excl. batteries)
Other	
Colour	Green/Orange (478-GN) or Red/Black (478-RD)
Hygiene Kit	HY21
Compatible with 3M™ E-A-Rfit™ Validation System	No
Helmet Attachment Backplate	N/A

Use limitation: Never modify or alter this product.

Fitting Instructions

Inspect the hearing protector before each use. If damaged, select an undamaged hearing protector or avoid the noisy environment.

When additional personal protective equipment is necessary (e.g. safety glasses, respirators, etc.), select flexible, low profile temples or straps to minimize interference with the earmuff cushion. Remove all other unnecessary articles (e.g. hair, hats, jewelry, headphones, hygiene covers, etc.) that could interfere with the seal of the earmuff cushion and reduce the protection of the earmuff.

Headband Headset

To fit the hearing protector:

1. Slide out the cups and tilt the top of the cup out, as the cable must be on the outside of the headband (Fig 1).

2. Pull the cups apart and place the ear muffs over the ears so that the cushions form a snug seal around the ears.
3. Adjust the height of the cups by sliding them up or down while holding the headband in place (Fig 2).
4. The headband should be positioned across the top of your head (Fig 3).



Fit Check

When hearing protectors are correctly worn, your voice should sound hollow and sounds around you should not sound as loud as before.

Attenuation Data

3M™ PELTOR™ SportTac Foldable Headband Headset - MT16H210F-478 -**

AS/NZS 1270:2002

Test Frequency (HZ)	125	250	500	1000	2000	4000	8000	SLC ₈₀	Class	Clamp Force
Mean Attenuation (dB)	10.5	15.0	23.9	25.3	30.9	38.7	40.2	24dB	4	10.2 N
Standard Deviation (SD) (dB)	3.0	4.3	3.9	4.1	4.2	3.2	6.4			
Means minus SD (dB)	7.5	10.7	20.0	21.2	26.7	35.5	33.8			

Hearing protector Class 4 tested to AS/NZS1270. When selected, used and maintained as specified in AS/NZS1269, this protector may be used in noise up to 105dB(A) assuming an 85dB(A) criterion. A lower criterion may require a higher protection class.

Mean = Mean attenuation value derived from testing in accordance with AS/NZS 1270:2002.

SD = Standard Deviation derived from testing in accordance with AS/NZS 1270:2002.

Mean-SD = Mean attenuation value minus Standard Deviation

SLC₈₀ = Single number rating commonly used in Australia and New Zealand to compare acoustic performance of hearing protectors. The subscript '80' indicates that in well managed hearing protector programs, the protection provided is expected to equal or exceed the SLC80 in 80% of protector-wearer noise spectrum combinations.

Class = A simplified process for selecting hearing protectors based on the wearers 8-hour equivalent continuous A-weighted sound pressure level.

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 effectiveness of a hearing protector reduces dramatically when the hearing protector does not fit properly, is incorrectly inserted or is not worn 100% of the time during ALL hazardous noise events. Removal of the hearing protector, even for brief moments, substantially reduces protection and greatly increases the risk of hearing damage

Cleaning and Maintenance

Follow recommended care and cleaning instructions in order to maintain best noise reduction and function.

Cleaning

- Carry out a visual battery condition check. Replace if battery leakage or defects are detected.
- Use a cloth wetted with soap and warm water to clean the outer shells, headband and ear cushions.

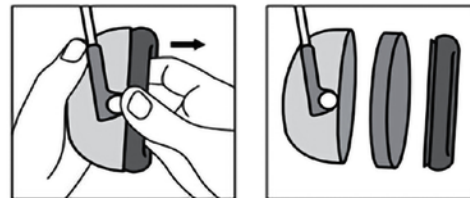
NOTE: Do NOT immerse the hearing protector in water.

If the hearing protector gets wet from rain or sweat, turn the earmuffs outwards, remove the ear cushions and foam liners, and allow to dry before reassembly. The ear cushions and foam liners may deteriorate with use and should be examined at regular intervals for cracking or other damage. When used regularly, 3M recommends replacing the foam liners and ear cushions at least twice a year to maintain consistent attenuation, hygiene, and comfort. In hot and humid environments more frequent changes may be required to maintain acceptable hygiene. If an ear cushion is damaged, it should be replaced.

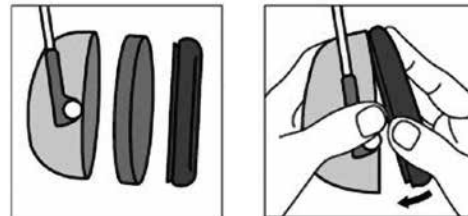
Maintenance - Changing the Hygiene Kit

Cushions and inserts can be replaced by using the approved Hygiene Kits for your 3M™ PELTOR™ Product. See 'Ordering Information' section.

1. Remove the cushions and inserts as shown.



2. Replace the worn or damaged cushions and insert with the new pair from the approved hygiene kit.



- 3M™ PELTOR™ HY100A Clean Hygiene Pads can be applied onto the earmuff cushions to help absorb sweat and moisture for improved comfort and hygiene.

Storage

- Store the product in a clean and dry area before and after use.
- Remove batteries before storing the product for extended periods
- Always store the product in the original packaging and away from any sources of direct heat or sunlight, dust and damaging chemicals.
- Storage temperature range: -20°C (-4°F) to 40°C (104°F).
- Relative humidity: <90%.
- For headband versions: make sure that no force is applied to the headband and that the cushions are not compressed.
- Helmet attachment version: ensure the earmuffs are in the storage position and that the cushions are not compressed.

Disposal

If the product is to be disposed*, it should be disassembled and disposed of as solid waste. Please see local authority regulations for disposal advice and locations

*Discard the product within 5 years from date of manufacture or immediately if damaged or cannot be cleaned.

Australia: Customers must refer to their Local Council Municipal area for disposal of electronics at their end of life.

New Zealand: Customers must dispose of electronics at their end of life in their local e-waste disposal bins.

Ordering Information

3M Code	Model #	Description
Headsets		
XH001650049	MT16H210F-478-GN	3M™ PELTOR™ SportTac Folding Headband, Green/Orange
XH001650056	MT16H210F-478-RD	3M™ PELTOR™ SportTac Folding Headband, Red/Black
Accessories - Cable		
XH001652078	FL6H	3.5-mm Mono Jack, 1,2m
XH001652110	FL6N	3.5-mm Stereo Jack, 1,2m
Accessories - Hygiene		
XH001659305	HY21	3M™ PELTOR™ HY21 Hygiene Kit (cushion and foam liner)
XH001651351	HY100A	3M™ PELTOR™ HY100A Clean Hygiene Pad

In the box

- 1 x SportTac Headset
- 2 x AAA Batteries
- 1 x User Instruction
- 1 x Extra Hygiene Kit

Warning

These hearing protectors help reduce exposure to hazardous noise and other loud sounds. Misuse or failure to wear hearing protectors at all times that you are exposed to noise may result in hearing loss or injury. For proper use, see supervisor, User Instructions, or call 3M TechAssist Helpline 1800 024 464.

Always ensure the hearing protection device (HPD) is:

- Suitable for the application;
- Fitted correctly;
- Worn during all periods of exposure;
- Replaced when necessary.

Important Notice

To the extent permitted by law, 3M shall not be liable for any loss or damage including any loss of business, loss of profits, or for any indirect, special, incidental or consequential loss or damage arising from reliance upon any information herein provided by 3M. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.



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