



3M™ PELTOR™ ComTac™ VI Headset

Product Description

The 3M™ PELTOR™ ComTac™ VI NIB Headset offers a hands-free adaptive VOX capability allowing face to face communication in full duplex for up to four talkers and up to sixty listeners within a 10 meter radius. This significantly increases the ability to communicate when on a boat, in tactical vehicles, aircraft, even in a loud small arms conflict without the need for tactical radio or intercom. This ability is the first of its kind in the tactical communications market.

Key Features

- Two Environmental Listening Modes for enhanced Auditory Awareness
 - Advanced mode (“Mission Audio Profile”)
 - Classic mode
- NIB “Natural Interaction Behavior” function for improved face-to-face communications in noise
- Wireless input with Magnetic loop
- Detachable Comms Microphone
- Low battery warning
- Voice guided configuration menu
- Earplug mode (maintains situational awareness when used in combination with earplugs)
- Automatic power off after two hours if no function is used
- Tested according to the applicable parts of military standards



Applications

3M™ PELTOR™ ComTac™ VI Headset is ideal for military and law enforcement operations requiring auditory situational awareness, face-to-face communications in quiet and in noise, radio connectivity and/or hearing protection.

Standard Models

Article number	Description	Colour
MT20H682FB-09N*	3M™ PELTOR™ ComTac™ VI, Standard NIB Headset, Foldable	GN, CY, SV
MT20H682FB-47N*	3M™ PELTOR™ ComTac™ VI, NIB Communication Headset, Single Com, Foldable	GN, CY, SV
MT20H682FB-19N*	3M™ PELTOR™ ComTac™ VI, NIB Communication Headset, Dual Com, Foldable	GN, CY, SV
MT20H682FB-92N*	3M™ PELTOR™ ComTac™ VI, NIB Headset, Foldable,	CY
MT20H682BB-09N*	3M™ PELTOR™ ComTac™ VI, Standard NIB Headset, Back band,	GN, CY, SV
MT20H682BB-47N*	3M™ PELTOR™ ComTac™ VI, NIB Communication Headset, Single Com, Back band	GN, CY, SV
MT20H682BB-19N*	3M™ PELTOR™ ComTac™ VI, NIB Communication Headset, Dual Com, Back band	GN, CY, SV
MT20H682BB-92N*	3M™ PELTOR™ ComTac™ VI, NIB Headset, Back band	CY

Colours: GN= Olive Drab Green, CY= Coyote Brown, SV= Black

Accessories

Article number	Description	Legacy 3M ID	SAP ID
HY68 SV	3M™ PELTOR™ Hygiene kit	XH001654461	7000108023
HY80	3M™ PELTOR™ Hygiene kit with Gel ring		
M60/2	3M™ PELTOR™ Wind shield for surround mic	XH001652532	7000039650
MT73/1	3M™ PELTOR™ Boom Microphone dynamic, waterproof	UU008163634	7100112094
M171/2	3M™ PELTOR™ Wind protector for mic, 2 pcs	UU008159483	7100112112
HYM1000	3M™ PELTOR™ Hygiene tape for boom mic, black	XH001651328	7100064281
1079 SV/SP	3M™ PELTOR™ Battery lid	UU004894315	7100088235

Technical data specifications

Technical data specifications

Model	Weight
Headband:	340 g
Headband with HY80:	379 g
Back band:	313 g

NIB "Natural Interaction Behavior" function

Frequency band:	North America, Australia & New Zealand Europe
Operation mode:	Duplex
Range:	0~5m: Optimal for communication 5~10m: Fade in and fade out
Modulation:	TDMA protocol
Microphone type:	Dynamic (MT73), Watherproof (IP68)
Operating temperature:	-4 °F to 131 °F

Power

Battery type:	2xAAA batteries
Operating time:	Environmental listening: 50 h Environmental listening + NIB: 30 h

Storage

Recommended storage conditions:	-4 °F to 131 °F
Recommended max. shelf life:	Headset: 5 years, excluding batteries. Battery: 1 year

User limitation: Never modify or alter this product

* Modern military communication radios can have different configurations depending on how it is programmed. Users are advised to connect headset to actual radio and configuration being used, in order to test functions and features before purchase.

In the Box: MT20H682FB*N*

- 1 x ComTac VI
- 1 x Gel Cushions
- 1 x Accessory Rail Connector
- 2 x Wind protector for mic
- 1 x User manual
- 2 x AAA batteries

In the Box: MT20H682BB*N*

- 1 x ComTac VI
- 1 x Gel Cushions
- 2 x Wind protector for mic
- 1 x User manual
- 2 x AAA batteries



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In Canada, contact:
1-855-484-3093
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For other 3M products:
1-800-3M-HELPS or 1-651-737-6501
3M PSD products are occupational use only

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Laboratory Attenuation***

MT20H682FB-***N** Folding Band - Foam Cushions

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA Class
Mean Attenuation (dB)	13.6	17.7	28.8	31.9	32.3	39.3	39.9	42.1	41.4	23	B
Standard Deviation (dB)	2.6	2.5	2.7	1.9	1.5	4.1	2.3	2.6	2.5		

MT20H682FB-***N** Folding Band - Gel Cushions

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA Class
Mean Attenuation (dB)	11.4	15.7	21.7	28.9	33.1	40.8	38.8	37.3	37.3	20	B
Standard Deviation (dB)	2.8	2.7	2.0	2.7	1.9	3.5	3.7	2.5	3.5		

MT20H682BB-***N** Backband - Foam Cushions

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA Class
Mean Attenuation (dB)	15.5	17.9	26.0	31.3	32.4	38.9	41.3	44.7	46.2	22	B
Standard Deviation (dB)	4.0	2.5	2.3	2.7	3.2	3.2	3.0	3.8	4.4		

MT20H682BB-***N** Backband - Gel Cushions

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA Class
Mean Attenuation (dB)	15.2	17.6	24.9	30.5	33.4	39.3	41.4	46.2	45.8	21	B
Standard Deviation (dB)	4.2	2.7	2.3	3.8	4.1	3.0	3.4	3.0	4.7		

MT20H682FB-***N** Helmet Attachment - Foam Cushions*

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA Class
Mean Attenuation (dB)	15.1	20.3	26.4	32.1	33.0	39.7	34.1	39.4	40.1	22	A
Standard Deviation (dB)	3.9	2.7	3.0	2.8	3.5	3.7	3.5	2.9	2.3		

MT20H682FB-***N** Helmet Attachment - Gel Cushions**

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000	NRR	CSA Class
Mean Attenuation (dB)	15.1	17.6	26.1	35.1	32.9	40.9	35.3	39.5	40.0	21	A
Standard Deviation (dB)	3.9	3.5	3.3	2.6	2.8	2.3	3.0	2.6	2.4		

* Tested with 3M™ Ceradyne™ Ballistic Helmet

** Tested with OPSCOR™ Fast Ballistic Helmet

*** Research suggests that many users will receive less noise reduction than indicated by the NRR due to factors including variation in earplug fit, and earplug fitting skill and motivation of the user. 3M strongly recommends fit testing of hearing protectors. If the NRR is used to estimate typical workplace protection, 3M recommends that the NRR be reduced by 50% or in accordance with applicable regulations.

CAUTION! When worn according to the User Instructions, this hearing protector helps reduce exposure to both continuous noises, such as industrial noises and noises from vehicles and aircraft, as well as very loud impulse noises, such as gunfire. It is difficult to predict the required and/or actual hearing protection obtained during exposure to impulse noises. For gunfire, the weapon type, number of rounds fired, proper selection, fit and use of hearing protection, proper care of hearing protection, and other variables will impact performance. If your hearing seems dulled or you hear a ringing or buzzing during or after any noise exposure (including gunfire), or for any other reason you suspect a hearing problem, your hearing may be at risk. To learn more about hearing protection for impulse noise, please visit www.3M.com/hearing.

WARNING!

Hearing Protection Products

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 Technical Service in the U.S.A at 1-800-665-2942. If there is any drainage from your ear or you have an ear infection, consult with your physician before wearing earplugs. Failure to do so may result in hearing loss or injury.

Choking Hazard - Keep away from infants and small children.

Standards and Approvals

Tested according to the applicable parts of
MIL-STD-810G, EMC-MIL-STD-461G.

The product has been tested in accordance with the impulse test requirements of ANSI S12.42-2010.

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.

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