Tecnitrān
TELECOMUNICACIONES

3M™ PELTOR™ ComTac™ VII Headset



New Cup & Headband Design

The new 3M™ PELTOR™ ComTac™ VII headset is designed to allow for dual hearing protection. It can be used in combination with 3M™ PELTOR™ TEP-300 earplugs, or passive earplugs.
A new headband design helps to make transition between rail mounted systems and headband eaiser. It can also help to improve comfort when worn under a ballistic helmet.

Rugged Microphone

The new speech microphone is redesigned and embedded with patented 3M closed cell foam, delivers improved noise cancelling transmission in high noise and wind while also improving dust and water ingress protection (IP68, 6m / 30 min).
The microphone attachment is designed to help accommodate both left handed and right handed shooters without the need to relocate the microphone to opposite side of the headset.

Environmental Microphones & Natural Interaction Behavior (NIB)

New design and wind screen attachment help to improve environmental listening.

Choose between classic mode, or advanced mode with 5 different Mission Audio Profiles (MAP); Silent, Observation, Patrol, Conversation or Comfort.

Natual Interaction Behavoiur (NIB), helps to improve close range face-to-face communication in steady state noise environments.

3M™ PELTOR™ ComTac™ VII Headset

Tactical Modular Headset



New Headband Design
Upgraded design for easy transition between rail mounted systems and headband, and to help improve comfort when worn under a ballistic helmet.

Dual Hearing Protection
Designed to enable use in combination with 3M™ PELTOR™ TEP-300 earplugs, or passive earplugs.

Speech Microphone
Redesigned and embedded with patented 3M closed cell foam, delivers improved noise cancelling transmission in high noise and wind while also improving dust and water ingress protection (IP68, 6m / 30 min).

Natural Interaction Behavior (NIB)
To help improve close range face-to-face communications in noise.

Near Field Magnetic Induction (NFMI)
Wireless connection to 3M™ PELTOR™ System control Units, SCU-300.

New Microphone Attachment
Designed to help accommodate both left handed and right handed shooters without the need to relocate the microphone to opposite side of the headset.

Environmental Listening Microphones
- Advanced Mode (MAP)
- Classic Mode



Detachable Downlead
A port for an optional wired connection to the 3M™ PELTOR™ System Control Unit, SCU-300.

Water tight battery compartment
Powered by 2 X AAA.
Does not require a tool to change batteries.

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Mission Audio Profiles (MAP)

The 3M™ PELTOR™ ComTac™ VII offers a new way to adjust the auditory settings of your headset for your mission. Traditionally, a headset has a set frequency response, and the operator can only increase or decrease the volume. The MAP function provides advanced environmental listening modes that allow access to a variety of gain settings, but with frequency shaping, to enhance auditory performance in five conditions. The MAP Profiles have been designed with a variety of combat and combat support operations in mind.

Advanced level dependent function for environmental listening



Mission Audio Profile 1: Observation
Highest volume and widest frequency response to maximize hearing when the user is still (overwatch, hide spot, stop to listen, etc).



Mission Audio Profile 2: Patrol
High volume with reduced high frequencies to limit sounds such as footsteps on gravel, grass moving under feet,equipment moving on body.



Mission Audio Profile 3: Conversation
Maximizes the frequencies important for face-to-face communications while lowering the frequencies outside of the average speech band.



Mission Audio Profile 4: Comfort
Low volume and narrow frequency response to be used when in noise for long periods of time (tactical vehicle, air transport) where environmental listening is not prioritized over communications and overall comfort.

Mission Audio Profile 5: Silent
Silent mode for communicating in high levels of noise when situational awareness is difficult to achieve

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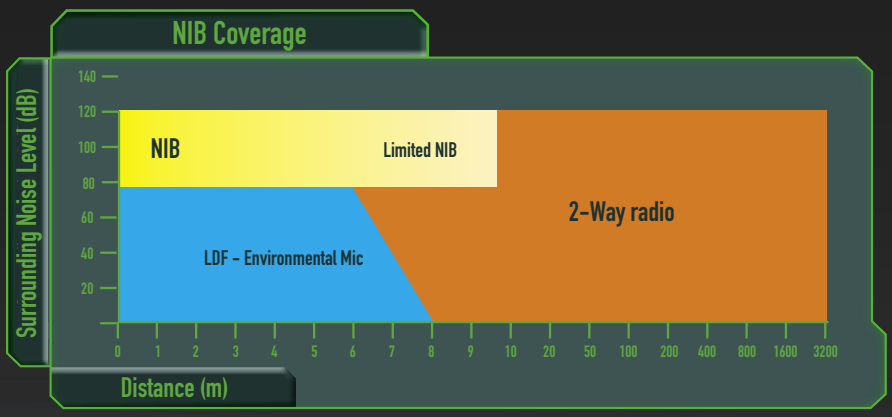
Natural Interaction Behavior (NIB)

NIB offers electronic, headset-to-headset communication with a transmission range of ≈10 m/11 yd from the speaker. There is no limit regarding how many people within that transmission range that can receive the transmission.
Up to 4 users within ≈150 m/165 yd can transmit simultaneously using 1 of 4 open slots/channels. Once all 4 channels are active, no one else in the group can transmit until a channel becomes available. If a fifth person tries to transmit, a beeping sound will indicate that the message was not transmitted. This ≈150 m/165 yd range is in an open field (line in sight) and may be reduced by physical structures.



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