



**PELTOR™**  
Protection & Communication

3M™ PELTOR™ ComTac™ VI Tactical Headsets

# Tactical Communications for Improved Combat Effectiveness.

Since its inception in 1998, ComTac™ headsets have helped operators gain a tactical edge, quickly becoming a trusted solution for military and law enforcement operations worldwide.

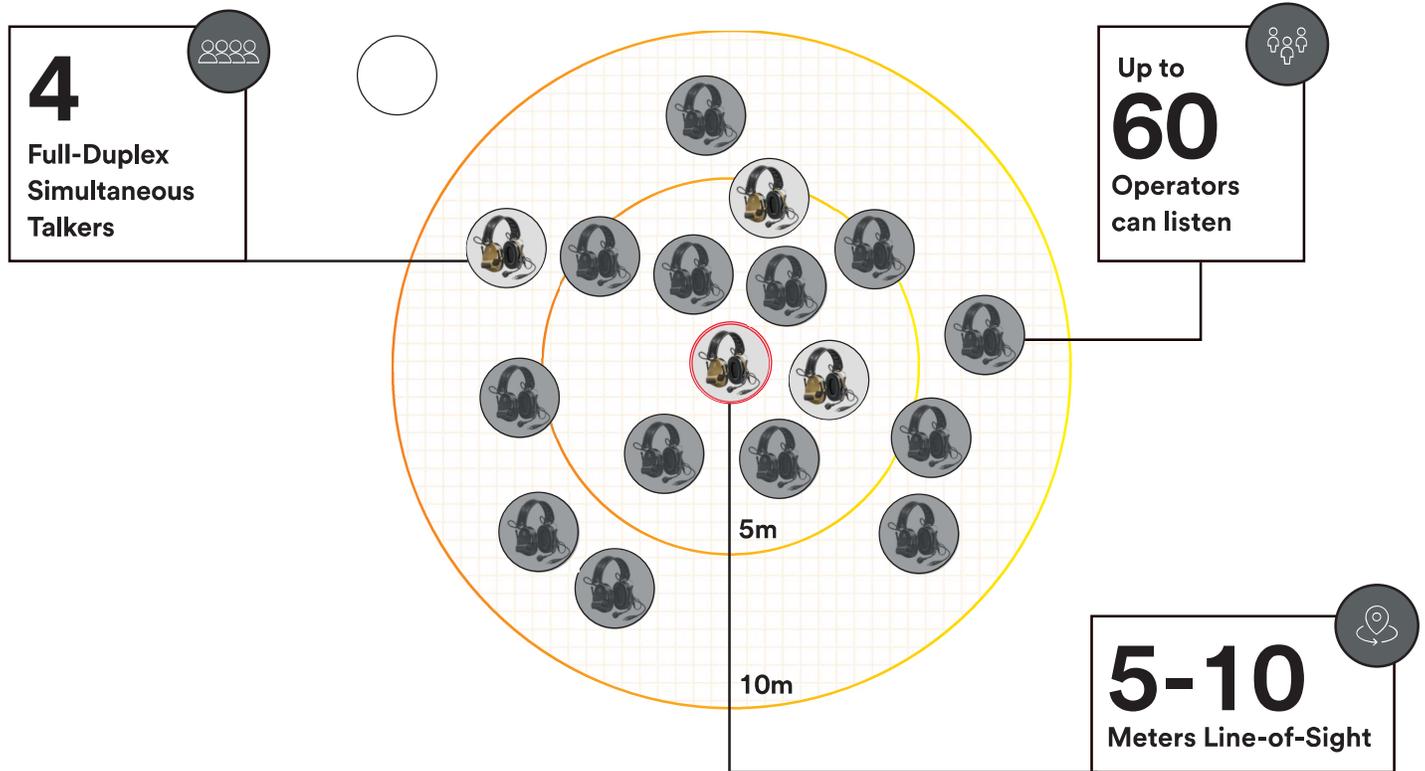
3M Science. Applied to life.™

# Communicate in High-Noise Environments

Intra-team communications without the use of external radio.

## Natural Interaction Behavior (NIB)

3M NIB technology is designed to help improve intra-team, proximity communications in noise. When two or more NIB-enabled headsets are within the NIB's operational bubble, which is a 5-10 meter radius, the headsets connect automatically and allow headset-to-headset communications without the need for an externally connected radio.



**NIB Transmitting:** NIB offers **four full-duplex channels** for simultaneous transmission. If the four channels are open, a fifth person wanting to transmit must wait for an open channel.



**NIB Receiving:** While only 4 people can speak simultaneously, over **60 people** within the 5-10 meter radius are able to listen at any given time.



**No NIB:** The NIB function **disconnects automatically** whenever a team member leaves the perimeter.

## Fail Safe Communications



External radio RX/TX communications are independent of headset battery power in ComTac™ VI Tactical Headsets. In the event of battery depletion, **external communications will continue to function.** The ComTac™ VI Tactical Headset does not require power to receive and transmit external radio communications.

# Environmental Listening for Auditory Situational Awareness



## Environmental Listening Function

3M™ PELTOR™ ComTac™ VI Tactical Headsets provide environmental listening to assist in auditory situational awareness when wearing the headset. The proprietary level-dependent digital audio circuit, in conjunction with two external environmental microphones, senses environmental sounds and reproduces those sounds inside the 3M™ PELTOR™ headset. This environmental listening capability offers amplification of soft sounds and electronic compression of loud sounds picked up by the environmental microphones.

## Mission Audio Profiles (MAP)

The MAP function provides advanced ambient listening modes that allow access to various gain settings, but with frequency shaping, to enhance auditory performance in a variety of tactical situations.

- **Observation:** For maximum auditory awareness and sound detection in a quiet environment when the user is still.
- **Patrol:** For high situational awareness when walking in a low-noise environment. High volume with reduced high frequencies to limit sounds such as footsteps on gravel, grass moving under feet, or equipment moving on body.
- **Conversation:** Intended to closely approximate open-ear listening and sound localization. Ideal setting for extended use when other modes are not needed.
- **Comfort:** For comfort in a noisy environment. Intended for use in periods of loud noise produced by tactical vehicles or air transport, where environmental listening is not prioritized over communications.
- **Ambient Listening Off:** For maximum sound reduction when operating in high noise and monitoring a radio or NIB.



## Dual Hearing Protection

In high-noise environments, dual hearing protection may be required not only for protection but also to maintain clear communications. That is why 3M™ PELTOR™ ComTac™ Tactical Headsets offer an “Earplug Mode”. When the headset is used in conjunction with earplugs, its volume is boosted by approximately 6 dB in this mode to help compensate for the additional attenuation provided by the earplug.

ComTac™ VI Model  
MT20H682FB-47 shown

## 3M™ PELTOR™ ComTac™ VI Tactical Headset

# Advanced hearing protection and close range communications in noise

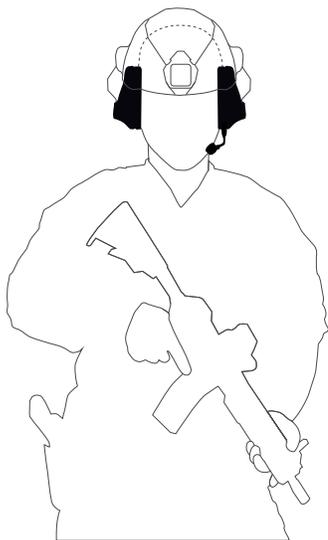


The **ComTac™ VI Tactical Headset** helps protect your hearing, improve situational awareness and communications in noisy environments.

With technologies such as **NIB - Natural Interaction Behavior** and **MAP - Mission Audio Profiles**, the ComTac™ VI is packed with new advanced features that helps improve soldier efficiency.



# 3M™ PELTOR™ ComTac™ VI Tactical Headsets



## No Download with NIB/Environmental Listening Only

### -09 Configuration

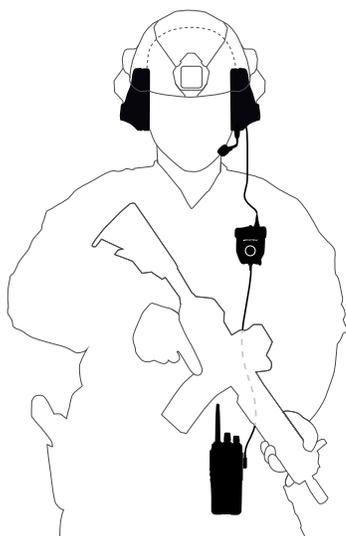
Use this headset when no radio connection is required.

3M Part Number	3M ID	Intended User*	Suspension Type	Helmet Attachment Included	Color
MT20H682BB-09N CYS	7100274425	All Users	Backband	None	Coyote Brown
MT20H682BB-09N GNS	7100274456	All Users	Backband	None	OD Green
MT20H682BB-09N SVS	7100274458	All Users	Backband	None	Black
MT20H682FB-09N CYS	7100274464	All Users	Foldable Headband	ARC	Coyote Brown
MT20H682FB-09N GNS	7100274465	All Users	Foldable Headband	ARC	OD Green
MT20H682FB-09N SVS	7100274467	All Users	Foldable Headband	ARC	Black
MT20H682HPS-09N CY	7100262541	US Army	IHPS Helmet Attachment	IHPS	Coyote Brown
MT20H682BB-09N CY	7100202846	US Fed Govt	Backband	None	Coyote Brown
MT20H682BB-09N GN	7100202847	US Fed Govt	Backband	None	OD Green
MT20H682BB-09N SV	7100202856	US Fed Govt	Backband	None	Black
MT20H682FB-09N CY	7100202848	US Fed Govt	Foldable Headband	ARC	Coyote Brown
MT20H682FB-09N GN	7100202850	US Fed Govt	Foldable Headband	ARC	OD Green
MT20H682FB-09N SV	7100202849	US Fed Govt	Foldable Headband	ARC	Black

\*Refer to last page of this document for additional explanation

#### Notes:

1. Foam and gel ear cushions are included with all 3M™ PELTOR™ ComTac™ VI Tactical Headsets
2. ARC (Accessory Rail Connector) is a rail on the side of a combat helmet
3. IHPS (Integrated Head Protection System) is a United States Army combat helmet



## Single Download Cable with Single Comms

### -47 Configuration

Use this headset when one Push-To-Talk (PTT) device and one radio is being used with single communication channel.

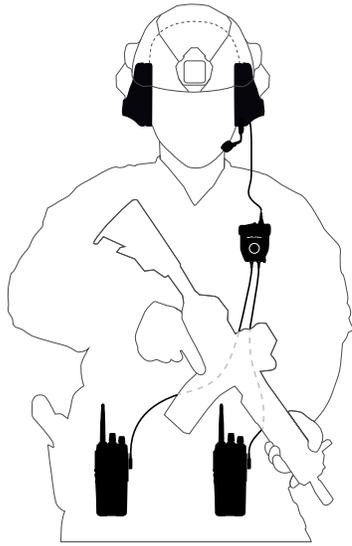
3M Part Number	3M ID	Intended User*	Suspension Type	Helmet Attachment Included	Color
MT20H682BB-47N CYS	7100274459	All Users	Backband	None	Coyote Brown
MT20H682BB-47N GNS	7100274462	All Users	Backband	None	OD Green
MT20H682BB-47N SVS	7100274461	All Users	Backband	None	Black
MT20H682FB-47N CYS	7100274471	All Users	Foldable Headband	ARC	Coyote Brown
MT20H682FB-47N GNS	7100274472	All Users	Foldable Headband	ARC	OD Green
MT20H682FB-47N SVS	7100274473	All Users	Foldable Headband	ARC	Black
MT20H682HPS-47N CY	7100261961	US Army	IHPS Helmet Attachment	IHPS	Coyote Brown
MT20H682BB-47N CY	7100202854	US Fed Govt	Backband	None	Coyote Brown
MT20H682BB-47N GN	7100202861	US Fed Govt	Backband	None	OD Green
MT20H682BB-47N SV	7100202860	US Fed Govt	Backband	None	Black
MT20H682FB-47N CY	7100202863	US Fed Govt	Foldable Headband	ARC	Coyote Brown
MT20H682FB-47N GN	7100202855	US Fed Govt	Foldable Headband	ARC	OD Green
MT20H682FB-47N SV	7100202862	US Fed Govt	Foldable Headband	ARC	Black

\*Refer to last page of this document for additional explanation

#### Notes:

1. Foam and gel ear cushions are included with all 3M™ PELTOR™ ComTac™ VI Tactical Headsets
2. ARC (Accessory Rail Connector) is a rail on the side of a combat helmet
3. IHPS (Integrated Head Protection System) is a United States Army combat helmet

# 3M™ PELTOR™ ComTac™ VI Tactical Headsets



## Single Download Cable with Dual Comms

### -92 Configuration

Use this headset with one, multi-comm Push-To-Talk (PTT) device and either two radios or one multi-band radio.

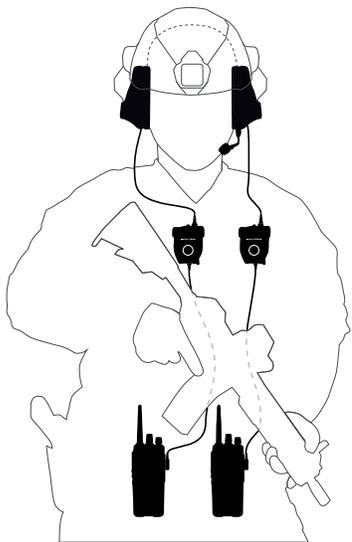
### Sold through Atlantic Signal.

3M Part Number	3M ID	Atlantic Signal Part Number	Intended User*	Suspension Type	Helmet Attachment Included	Color
MT20H682BB-92N CYS	7100274454	CT6.HCY.5C-S	All Users	Backband	None	Coyote Brown
MT20H682BB-92N GNS	7100274455	CT6.HGN.5C-S	All Users	Backband	None	OD Green
MT20H682BB-92N SVS	7100274463	CT6.HSV.5C-S	All Users	Backband	None	Black
MT20H682FB-92N CYS	7100274474	CT6.XCY.5C-S	All Users	Foldable Headband	ARC	Coyote Brown
MT20H682FB-92N GNS	7100274475	CT6.XGN.5C-S	All Users	Foldable Headband	ARC	OD Green
MT20H682FB-92N SVS	7100274466	CT6.XSV.5C-S	All Users	Foldable Headband	ARC	Black
MT20H682BB-92N CY	7100206462	CT6.HCY.5C	US Fed Govt	Backband	None	Coyote Brown
MT20H682BB-92N GN	7100265568	CT6.HGN.5C	US Fed Govt	Backband	None	OD Green
MT20H682BB-92N SV	7100265570	CT6.HSV.5C	US Fed Govt	Backband	None	Black
MT20H682FB-92N CY	7100206461	CT6.XCY.5C	US Fed Govt	Foldable Headband	ARC	Coyote Brown
MT20H682FB-92N GN	7100265756	CT6.XGN.5C	US Fed Govt	Foldable Headband	ARC	OD Green
MT20H682FB-92N SV	7100265569	CT6.XSV.5C	US Fed Govt	Foldable Headband	ARC	Black

\*Refer to last page of this document for additional explanation

#### Notes:

1. Foam and gel ear cushions are included with all 3M™ PELTOR™ ComTac™ VI Tactical Headsets
2. ARC (Accessory Rail Connector) is a rail on the side of a combat helmet



## Dual Download Cable with Dual Comms

### -19 Configuration

Use this headset when two Push-To-Talk (PTT) devices and two radios are being used with dual communication channels.

3M Part Number	3M ID	Intended User*	Suspension Type	Helmet Attachment Included	Color
MT20H682BB-19N CYS	7100274448	All Users	Backband	None	Coyote Brown
MT20H682BB-19N GNS	7100274457	All Users	Backband	None	OD Green
MT20H682BB-19N SVS	7100274460	All Users	Backband	None	Black
MT20H682FB-19N CYS	7100274468	All Users	Foldable Headband	ARC	Coyote Brown
MT20H682FB-19N GNS	7100274469	All Users	Foldable Headband	ARC	OD Green
MT20H682FB-19N SVS	7100274470	All Users	Foldable Headband	ARC	Black
MT20H682HPS-19N CY	7100261962	US Army	IHPS Helmet Attachment	IHPS	Coyote Brown
MT20H682BB-19N CY	7100202851	US Fed Govt	Backband	None	Coyote Brown
MT20H682BB-19N GN	7100202853	US Fed Govt	Backband	None	OD Green
MT20H682BB-19N SV	7100202852	US Fed Govt	Backband	None	Black
MT20H682FB-19N CY	7100202857	US Fed Govt	Foldable Headband	ARC	Coyote Brown
MT20H682FB-19N GN	7100202859	US Fed Govt	Foldable Headband	ARC	OD Green
MT20H682FB-19N SV	7100202858	US Fed Govt	Foldable Headband	ARC	Black

\*Refer to last page of this document for additional explanation

#### Notes:

1. Foam and gel ear cushions are included with all 3M™ PELTOR™ ComTac™ VI Tactical Headsets
2. ARC (Accessory Rail Connector) is a rail on the side of a combat helmet
3. IHPS (Integrated Head Protection System) is a United States Army combat helmet

# 3M™ PELTOR™ Push-To-Talk (PTT) Adapters

## 3M™ PELTOR™ FL4000 Series PTT Adapters

Small, strong and easy-to-handle adapters, especially designed for rough environments. Fits in the palm of your hand to grip, while using the thumb to press the PTT button. The button press provides distinct tactical feedback to ensure engagement.

Description	Part Number	3M ID
Motorola HT Series	FL4030-02	7100150832
AN/PRC 6-pin NATO	FL4040-02	7100150837
Motorola APX/XPR	FL4063-02	7100150844



3M™ PELTOR™  
FL4040-02 Shown

## 3M™ PELTOR™ FL5000 Series PTT Adapters

Rugged design with the PTT button positioned on the front and center for convenient activation. Allows for easy use by either the right or left hand and includes a mounting clip that can be rotated 360 degrees. Button press provides tactile feedback that is suitable for gloved hands. Included is a removable shroud that helps prevent accidental activation of the PTT button.

Description	Part Number	3M ID
Motorola XTS Series	FL5018-02	7010315212
Motorola HT Series	FL5030-02	7010384214
Kenwood 2-Pin	FL5035-02	7100014334
Motorola APX/XPR	FL5063-02	7010384262
AN/PRC 6-pin NATO	FL5601-02	7000127382
Vehicle Intercom (VIC)	FL5601-09	7100113660
Harris 7800 Series	FL5601-100	7000108433



3M™ PELTOR™  
FL5601-02 Shown

## 3M™ PELTOR™ U94 Style PTT Adapters

In-line PTT button profile allows for confident and secure button activation. Button press provides tactile feedback that is suitable for gloved hands. Rugged design for use in challenging environments.

Description	Part Number	3M ID
34 inch Cable, AN/PRC 6-pin NATO	FL-U/94A	7010384651
19 inch Cable, AN/PRC 6-pin NATO	FL-U/94A-19	7010315259



3M™ PELTOR™  
FL-U/94A-19 Shown

For additional PELTOR™ PTTs, Adapters, and Cables, refer to online selector tool:

[https://www.3m.com/3M/en\\_US/hearing-protection-us/products/protective-communications/peltor-ptt-adapters-selector/](https://www.3m.com/3M/en_US/hearing-protection-us/products/protective-communications/peltor-ptt-adapters-selector/)

For additional PELTOR™ Accessories, refer to online selector tool:

[https://www.3m.com/3M/en\\_US/hearing-protection-us/products/protective-communications/peltor-accessories-selector/](https://www.3m.com/3M/en_US/hearing-protection-us/products/protective-communications/peltor-accessories-selector/)

\*As Referenced in the 3M™ PELTOR™ ComTac™ VI Ordering Information Tables

Two versions of the 3M™ PELTOR™ ComTac VI Tactical Headset are available for purchase in the United States. All customers can purchase the single frequency, FCC approved, 915.5 MHz NIB headset. U.S Federal Government customers can also purchase a dual frequency NIB headset that is not FCC approved as it offers both 915.5 MHz (for use in North America, Australia, and New Zealand) and 864 MHz (for use in Europe). The dual-frequency, non-FCC labeled headsets are offered to U.S. Federal Government customers who may require use of the headset outside of the United States, such as U.S. military personnel. Prior to using a NIB enabled headset, it is the user's responsibility to ensure they are using the correct NIB frequency for the region in which they are currently using the headset. Every 3M™ PELTOR™ ComTac™ VI configuration is available in both versions. The general use, single frequency headset part number ends in a "S". As an example, MT20H682FB-09N CYS versus MT20H682FB-09N CY.



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For more information:  
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