



PELTOR™
Protection & Communication

3M™ PELTOR™

Modular Communication System (MCOM)

3M™ PELTOR™ Modular Communication System (MCOM) is designed to help bridge the communication gap across diverse teams and devices. The system lets operators combine a selection of 3M™ PELTOR™ ComTac™ Headsets with all new, Multi-Comm Push-to-Talk (PTTs): the advanced 3M™ PELTOR™ FL8000 PTT or the simpler 3M™ PELTOR™ FL7000 PTT.



ICS / Single
Band Radio

3M™ PELTOR™ FL8000
Multi-Comm Push-to-Talk



3M™ PELTOR™
Remote Control
Unit RCU-300



Dual Band Radio



Dual Band Radio

3M™ PELTOR™ ComTac™ VIII Headset
Hard wired or detachable download
(12-pin connector)



3M™ PELTOR™ FL7000
Multi-Comm Push-to-Talk



Dual Band Radio

3M Science. Applied to Life.™

3M™ PELTOR™ FL8000 Multi-Comm Push-to-Talk (PTT)

Bridging the Gap Between Teams

3M™ PELTOR™ FL8000 Multi-Comm Push-to-Talk is an advanced control unit designed to interface with a broad range of communication devices and select 3M™ PELTOR™ ComTac™ Headsets. The 3M™ PELTOR™ Multi-Comm FL8000 PTT enables operators to manage communication across diverse teams and devices from a single interface. It is equipped with an audio selector, volume controls and 4 dedicated PTT buttons to manage up to 3 physical communication connections. The 3M™ PELTOR™ Multi-Comm FL8000 is powered from a connected device.

Controls and Connectivity

- A:** Headset Connectivity: 12-pin connector
- B:** Radio/ICS Connectivity: 16-pin connector (ICS or single channel radio)
- C:** Radio Connectivity: 16-pin connector (Single or dual-channel radio)
- D:** 4 dedicated PTT buttons
- E:** + and – volume buttons
- F:** Audio Selector button

Audio management lets the operator spatially position incoming audio to help improve speech intelligibility and communication management.

Mix: Radio communication(s) are heard equally in both left and right ear.

Single: Radio communications will be split between the left and right ears.

Surround: The radio communications will be perceived as it is coming from different directions (10 o'clock or 2 o'clock).



3M™ PELTOR™ Remote Control Unit, RCU-300 (optional)

The 3M™ PELTOR™ Multi-Comm FL8000 can be remotely operated via the RCU, allowing an operator to transmit and change radio volume without removing their hands from their weapon.

- Approximately 1600 hour operating life
- 2 RCUs can be paired to the 3M™ PELTOR™ Multi-Comm FL8000 simultaneously
- Picatinny rail mount





Ordering Information



3M™ PELTOR™ FL8000 Multi-Comm Push-to-Talk

Part number	Description	3M ID
FL8000-US SV	3M™ PELTOR™ Multi-Comm Push-to-Talk, FL8000-US, Black	7100415755
FL8000-US CY	3M™ PELTOR™ Multi-Comm Push-to-Talk, FL8000-US, Coyote Brown	7100415587



Radio Cables

Part number	Description	3M ID
FL8-163	3M™ PELTOR™ Radio Cable, FL8-163, L3Harris PRC-163/171, 19-pin	7100415786
FL8-163-EUD12	3M™ PELTOR™ Radio Cable, FL8-163-EUD12, L3Harris PRC-163/171, 19-pin, w/EUD 12-pin	7100415725
FL8-163-EUD6	3M™ PELTOR™ Radio Cable, FL8-163-EUD6, L3Harris PRC-163/171, 19-pin, w/EUD 6-pin	7100415735
FL8-148-11P	3M™ PELTOR™ Radio Cable, FL8-148-11P, Thales PRC-148C, 11-pin	7100415863
FL8-TRBO	3M™ PELTOR™ Radio Cable, FL8-TRBO, Motorola APX, SRX, XPR, Mototrbo, GCAI	7100415846
FL8-NATO-6	3M™ PELTOR™ Radio Cable, FL8-NATO-6, PRC-148/152, NATO 6-pin	7100415754
FL8-TW950-EUD6	3M™ PELTOR™ Radio Cable, FL8-TW950-EUD6, TrellisWare TW-950	7100415854
FL8-ICS-LO	3M™ PELTOR™ Radio Cable FL8-ICS-LO, Aircraft Intercom System, 4-pin Low Impedence	7100415873
FL8-XL200	3M™ PELTOR™ Radio Cable, FL8-XL200, L3Harris XL-150, XL-185, XL-200	7100415707
FL8-R7	3M™ PELTOR™ Radio Cable, FL8-R7, Motorola R7, MXP600, APX N30, N50, N70, GCAI Mini	7100415883
FL8-AP107	3M™ PELTOR™ Radio Cable, FL8-AP107 Cable for Vehicle Intercom	7100415825



3M™ PELTOR™ Remote Control Unit, RCU-300 (Optional)

Part number	Description	3M ID
RCU-300NA/1	3M™ PELTOR™ Remote Control Unit, RCU-300NA	7100223515

3M™ PELTOR™ FL7000 Push-to-Talk (PTT)

Small. Simple. Rugged.

3M™ PELTOR™ FL7000 PTT has been designed for dual communication utilizing multi-channel or two single-channel radios. The FL7000 PTT offers a small footprint, simple, rugged, non-powered design for durability and reliability in harsh environments.

Headset Interface

End User Device (EUD) Interface

Select adapter models connect to an EUD for data communication via separate EUD cable.

Audio Management Switch (Select models)

Enables users to choose between:

Mix: Radio communication(s) in both left and right ear.

Single: Radio communications will be split between the left and right ears.

Multi-Comm Operation

Allow for communication on two single channels, or one multi-channel radio.

Hard wired Radio Download





Ordering Information



3M™ PELTOR™ FL7000 Multi-Comm Push-to-Talk

Part number	Description	3M ID
FL712-163	3M™ PELTOR™ Push-to-Talk, FL712-163, L3Harris PRC-163, 19-pin connector, black	7100415826
FL712-163-EUD12	3M™ PELTOR™ Push-to-Talk, FL712-163-EUD12, L3Harris PRC-163, 19-pin connector, with 12-pin EUD Pigtail, black	7100415878
FL712-152-02	3M™ PELTOR™ Push-to-Talk, FL712-152-02, NATO 6-pin connectors x2, black	7100415747

Comparison Chart



Feature	3M™ PELTOR™ FL7000 PTT	3M™ PELTOR™ FL8000 PTT
Switch Type	Mechanical	Electronic
Remote PTT (RCU) option	No	Yes
Color	Black	Black or Coyote Brown
Number of radios / Signal Inputs	2	5
Connection to radio	Hard wired	Detachable
Radio Audio Management	Mix & Single	Mix, Single or Surround



3M™ PELTOR™ ComTac™ VIII Headset

- Environmental listening with Mission Audio Profiles (MAP)
- Hearing Protection
- Hard wired or detachable headset download cable

Ordering Information

Headsets

Part number	Description	3M ID
MT14H418A-01 CY	3M™ PELTOR™ ComTac™ VIII, MT14H418A-01 CY, with 12-pin jack for detachable download, Coyote Brown	7100415616
MT14H418A-01 GN	3M™ PELTOR™ ComTac™ VIII, MT14H418A-01 GN, with 12-pin jack for detachable download, OD Green	7100415591
MT14H418A-01 GE	3M™ PELTOR™ ComTac™ VIII, MT14H418A-01 GE, with 12-pin jack for detachable download, Grey	7100415590
MT14H418A-12 CY	3M™ PELTOR™ ComTac™ VIII, MT14H418A-12 CY, 12-pin download, Coyote Brown	7100415795
MT14H418A-12 GN	3M™ PELTOR™ ComTac™ VIII, MT14H418A-12 GN, 12-pin download, OD Green	7100415864
MT14H418A-12 GE	3M™ PELTOR™ ComTac™ VIII, MT14H418A-12 GE, 12-pin download, Grey	7100415893

Detachable Download Cable

Part number	Description	3M ID
FLX-CT-12	3M™ PELTOR™ Detachable Headset Cable, FLX-CT-12, 12-pin	7100415579



Coyote Brown



Grey



OD Green



Note:

- Before purchase, users should test headset, push-to-talk functionality and power management with their specific radio(s)
- All models may not be available at launch
- Select headset and push-to-talk adapter models support operation using power supplied by compatible two-way radio, subject to the radio's power capability

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