

# *iOPT*<sup>®</sup>



# COMM-TAC

## *Mobile Digital Interoperability*

High Performance Interoperability...Without the High Price

iOPT Comm-Tac is the mobile interoperability solution for first responders. Comm-Tac, from Trident Micro Systems, allows rapid connection of up to four radios providing instant interoperability. Comm-Tac is ideal for use in emergency vehicles that have multiple radios installed for several different agencies.

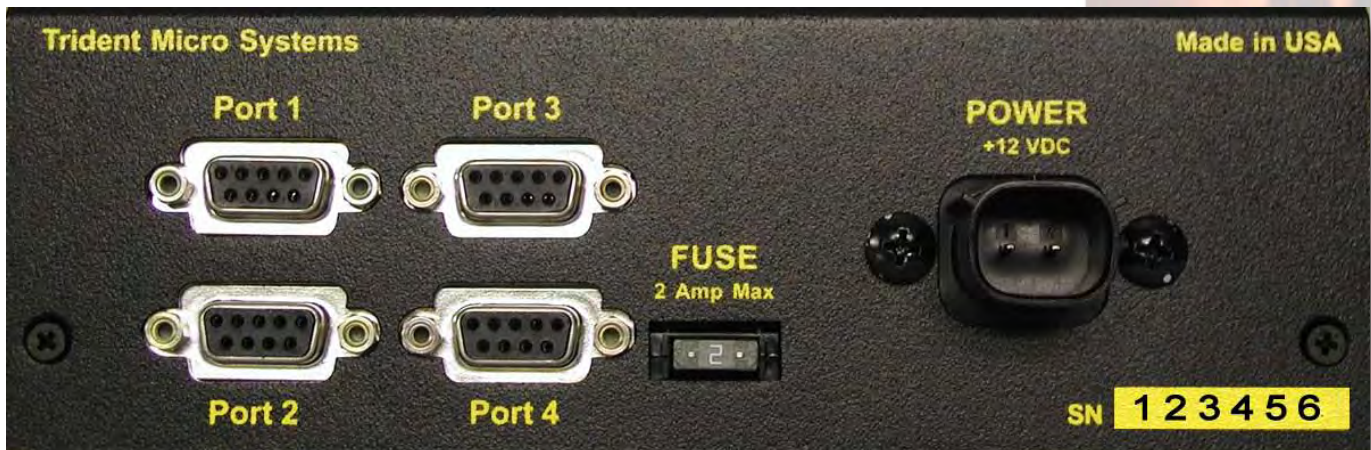
### Features:

- Immediate on-scene interoperability
- Connects to existing mobile radios
- Up to four mobile radio resources
- Two separate interoperability groups
- Selectable digital audio delay
- Easy-to-use push button operation



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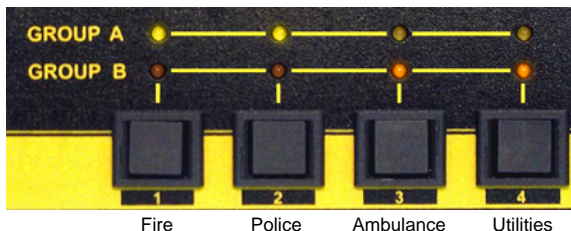
Comm-Tac provides immediate interoperability between disparate communications systems. Comm-Tac is an affordable and extremely easy-to-use package with no special operator training or experience required. Designed for mobile or fixed use, Comm-Tac is easily connected to existing radios. Push-button operation provides the ability to rapidly establish interoperability talk groups. At the press of a button, up to four separate radios can be brought together in one or two talk groups. When connecting to trunked radios or radios that require a "call set-up" before they are ready to transmit, an innovative digital audio delay circuit gives you peace of mind knowing that syllables or complete words will never be lost. Installation is made easy with "plug-n-play" cables available for most mobile radios. The rugged design, utilizing a sturdy metal chassis and military grade components rated for the most extreme conditions, ensures that Comm-Tac is always ready to respond, anytime; anywhere.



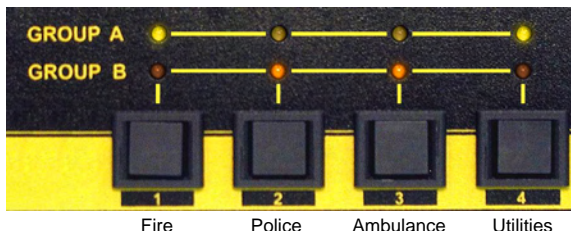
Actual Size

## Operating Example:

Four individual agencies on four different frequencies are provided interoperability via iOPT Comm-Tac. A Fire Dept radio is connected to Comm-Tac Port 1; Police Dept radio is connected to Port 2; Ambulance on Port 3; and Utilities on Port 4. Fire and Police are in Group A while Ambulance and Utilities are in Group B.



A requirement for Police to move to Group B and Utilities to Group A arises. The process is simple. Press any one of the four buttons to set the associated Port to the desired Group: Group A then Group B then OFF then back to Group A. To move Police to Group B, press button 2 once. To move Utilities to Group A, press button 4 twice.



## Technical Specs:

### POWER

- Operational Voltage 11 - 15 VDC
- Reverse DC Polarity Protection
- Over voltage Protection

### RADIO PORT INTERFACE

- Audio Input: 200 - 1000 mv p-p
- Audio Input Impedance: 10 K Ohms @ 1 kHz
- Audio Output: 200 - 1000 mv p-p
- Audio Output Impedance: 600 Ohms @ 1 kHz
- 5 kHz (wideband), 2.5 kHz (narrowband)
- Logic Signaling 0 - 12 VDC
- COR Input: 0 - 5 VDC (Polarity Selectable)
- PTT Output: Open Collector 100 mA (Polarity Selectable)

### ENVIRONMENTAL

- 30 to +60 Degrees C
- 95% Relative Humidity (Non-Condensing)

### PHYSICAL

- 2.4" H x 7.1" W x 7.2" D
- 2.0 lbs

Specifications subject to change without notice.



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