



Dual Group Communication

Dual PTT

One Radio. Two Talk Groups. At Your Fingertips.

The Dual PTT enables you to communicate on two talk groups a single radio. The two independent channel/volume knobs allow to select your talk groups and control their volume. You can talk on both talk groups individually or simultaneously using the two PTT buttons. Carry Less. Communicate More.

Talk Group Selection

The Dual PTT's talk group selection knobs put you in control. When connected to stereo headset, your selected talk groups are routed individually to your left and right ears enabling you to keep track of the situation. Volume controls allow you to adjust the volume in each ear independently. When the user adjusts the talk group selection knob, the selected talk group is audibly announced in the correct ear. Never worry about counting "clicks" ever again.

Specifications

Physical

Size

6.93 × 4.39 × 2.54 cm

Weight

153 g

Enclosure

100% durable aluminum
Hard anodized to prevent salt deposits
and oxidation

Connections

(1) Headset
(1) USB
(1) MPU5

Ergonomics

Adjustable clip
Left- and Right-handed operation

Audio

Audio Output

Stereo
Mono

Talk Group Selection

(2) Talk Group Selection Knobs (16) Total Talk Groups

Volume

(2) Volume Knobs
(3) Volume levels per knob
Independent channel and volume adjustment

PTT Buttons

(2), Distinguishable by touch
Simultaneous or independent channel operation

Environmental

MIL-STD-810G

IP68 Rated

20m immersion up to 30 minutes
Dust-proof

Operating Temperature

-40°C to +85°C

Emissions

EMI certified

Power

Input

Powered from MPU5 - no dedicated power
source required

Output

Powers & Charges EUD

Compatibility

Headsets

1/4 in. 4-contact
1/4 in. 5-contact
3.5 mm headset

End User Devices

Juggernaut EUD Case

Improved Situational Awareness

The Dual PTT provides a robust audio capability at a reduced size, weight, and power, enabling your team to succeed. The Wave Relay® MANET keeps users connected across multiple hops and around corners, ensuring your communication succeeds in any environment or topology - even when faced with non line of sight (NLOS) connections. The Dual PTT's crystal clear digital audio architecture keeps your team in constant contact to enhance situational awareness, improving success and keeping your team safe.

Radio over IP (RoIP)

An Audio Force Multiplier

The Dual PTT combined with the MPU5's cutting-edge Radio over IP (RoIP) capability offers an unparalleled audio force multiplier. RoIP allows you to tether legacy radios to MPU5s and assign them to Talk Groups on the Wave Relay® MANET. By tethering multiple LMRs to MPU5s and assigning them to different talk groups, users with Dual PTT Devices can talk on up to 16 different legacy LMR channels by simply adjusting a dial. With your RoIP enabled MPU5, you can talk on TACSAT from inside of a building. You can talk out of amplified man-pack radios that are available through the network without having to carry them.

Designed to be Worn in Combat

Persistent Systems designed the Dual PTT to seamlessly integrate into your tactical kit. From its small, lightweight design to its ergonomic, streamlined cabling, the Dual PTT Device is designed to be worn in combat.

Robust PTT Device for Reliable Voice Communications

The Dual PTT is IP68 Rated and can be operated 20m underwater for up to 30 minutes. Every connector on the device is IP68 Rated. The buttons were purposefully engineered to prevent activation due to water pressure at 20 meters. The Dual PTT doesn't just survive at 20m, it remains operational.

Hard anodized metal construction prevents salt deposits and oxidation. The Dual PTT Device is durable in austere environments, conditions, and weather. Rigorous EMI emissions testing and MIL-STD qualification ensure that you can take the Dual PTT anywhere without interfering with other equipment.

Lightweight for Lower Burden

Persistent's team of engineers designed the Dual PTT to be as small and lightweight as possible to reduce its burden on your kit. Weighing less than half of competing devices, the Dual PTT further minimizes kit weight by requiring no additional power source beyond the MPU5.

