Dual Push-to-Talk

Smart Push-to-Talk

The Power of Smarter Push-to-Talk at your Fingertips

The Dual PTT enables you to communicate on two talk groups with a single radio. Two independent talk group/volume knobs allow you change talk groups and adjust headset volume of two talk groups independently.

You can talk on both groups separately or simultaneously using the two PTT buttons. The Dual PTT also allows you to carry one radio while still having access to legacy audio networks via the MPU5's Radio over IP (RoIP) tethering capability.

Future capability is here - with the Dual PTT users can now take advantage of Full Duplex, voice activated communication. Parachuting, room clearing, EOD and Unmanned Systems operators no longer have to PTT. Focus on the task in hand and make full use of this functionality.

Carry Less. Communicate More

Reduced SWaP

- IP-based advanced audio architecture gives you flexibility to carry a single radio while still having access to legacy audio networks via the MPU5's Radio over IP (RoIP) functionality.

- Legacy LMR radios tethered to MPU5's can be utilised as network services by simply switching to their assigned talk groups.

- Half the weight of competing devices.

- No batteries required.

Be Heard. Anywhere. Anytime.

- Adaptive prioritised audio ensures communication is uninterupted.

- Analog to digital audio conversion occurs as close to the source as possible to preserve signal integrity and maintain communication reliability.

- The Wave Relay® MANET keeps users connected across unlimited hops, making sure the message goes through in any environment or network topology – even when faced with non-line-of-sight (NLOS) connections.

- Streamlined integration.

Ergonomic. User Friendly.

- Ratcheting clip secures the Dual PTT and can be moved to either side of the device, allowing for left and right-handed operation.

- Provides power and data connection to an EUD.

- Routes cables naturally in your kit, eliminating unwieldy lengths of cable or awkward connector angles.

- The two PTT buttons are unique to the touch, allowing you to distinguish between them by feel and key up the correct talk group without looking down.

Improved Situational Awareness

The Dual PTT provides a robust audio capability at a reduced size, weight, and power, enabling your team to succeed. With users equipment in mind the Dismounted MPU5 solution requires very little cabling connecting your MPU5 to the Dual PTT and End User Device (EUD) reducing size/weight and thus increasing operational agility.

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.

Enclosure	100% Durable aluminium Hard anodized to prevent salt deposits & oxidation
I/O	1 x Headset 1 x USB (**EUD**) 1 x MPU5
Ergonomics	Small and lightweight Adjustable clip for left & right-handed operation
Audio Output	Stereo Mono
Talk Group Selection	2 Talk group selection knobs 16 Talk groups Full duplex voice activated communications
Volume	2 Volume knobs 3 Volume levels per knob Independent channel & volume adjustments
PTT Buttons	2 Distinguishable by touch Simultaneous or independent channel operation Flash overide for emergency situations
Power Input	Powered by MPU5 (**No external power source required**)
Power Output	Powers & charges EUD
Operating Temperature	-40°C to 85°C (**- 40°F to 185°F**)

Environmental	MIL-STD-810G IP68 rated 20m Immersion up to 30 minutes
Emissions	EMI certified
Dimensions	6.93 cm x 4.39 cm x 2.54 cm (**2.73" x 1.73" x 1.00"**)
Weight	153 grams (**5.4 oz**)
Compatibility	Headsets: – 1/4" (**4 Contact**) – 1/4" (**5 Contact**) – 3.5mm Headset End User Device Connection: – Micro USB – USB-C

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Technical Specifications quoted are verified but do not indicate the maximum performance limitations of the equipment. Specifications are subject to change without notice. E & OE Issue A.