



WAVE PTX and Critical Connect

Enhance communication with Critical Connect and WAVE PTX

[Critical Connect](#) eliminates the barriers and complexity of disparate systems by providing cloud-based interoperability between land mobile radio (LMR) systems, broadband push-to-talk (PTT) and applications to unify communications. A single, secure network connection delivers standards-based interoperability with internal groups and external organizations, reducing the cost and complexity of PTT communications. From a single interface, agencies and organizations can be connected in just a few clicks—regardless of the device or network they use—to enable the real-time exchange of voice, data and video, thus improving collaboration.

This unified environment fully integrates with [WAVE PTX](#), a carrier-independent broadband PTT service. WAVE PTX provides the MCPTT-based emergency calling, remote monitoring, ambient listening and other features necessary to keep public safety users connected, informed and safe.

Do more with Critical Connect

- **Administrative access control:**
Hierarchy-based administration allows master agencies to easily control and share access by mirroring administrative actions to other agencies, based on users and role types.
- **LMR to LMR:**
Extends LMR coverage by enabling systems to permit radios to manually or automatically roam between disparate P25 networks while maintaining independent radio fleets and fleetmaps.
- **LMR to broadband:**
Bridges communication between disparate networks, including P25 LMR systems and carrier-based or over-the-top broadband PTT services, like WAVE PTX.
- **Push-to-data:**
Enables the real-time exchange of critical data, including emergencies, location, presence, status updates, messages, video, aliasing and Radio ID's between P25 LMR and broadband PTT users.
- **Rapid talkgroup sharing:**
Provides a user-friendly, web-based Link manager for administrators to quickly set up and tear down multi-agency talkgroup connections in just a few clicks for immediate incident response.
- **Scalable connection architecture:**
Utilizes secure, standards-based connection to connect agencies talkgroups for built-in scalability.
- **Mission-critical security and reliability:**
Features a locally and geo-redundant, cloud-based architecture with all communications encrypted using AES-256 and is NIST Cybersecurity Framework Certified.
- **Advanced LMR feature support:**
Goes beyond traditional interoperability to support enhanced P25 features such as Dynamic Regrouping, Super Grouping, Emergency Calling, Private Calling, End-to-End LMR Encryption, and Ruthless Preemption.
- **Motorola Solutions ecosystem:**
Fully integrated with the Motorola Solutions ecosystem, including ASTRO P25, Dispatch and Logging Environments and CommandCentral software.
- **Ecosystem integrations:**
Integrated into major Mission-Critical Carrier PTT systems for additional expansion capabilities and support.



Enhance LMR coverage with WAVE PTX for Public Safety

WAVE PTX is a carrier-independent broadband PTT service that helps public safety users stay connected, informed and safe when outside of LMR coverage. By leveraging existing LTE infrastructure, WAVE PTX extends the reach of your communications without requiring the investment of additional radio towers.

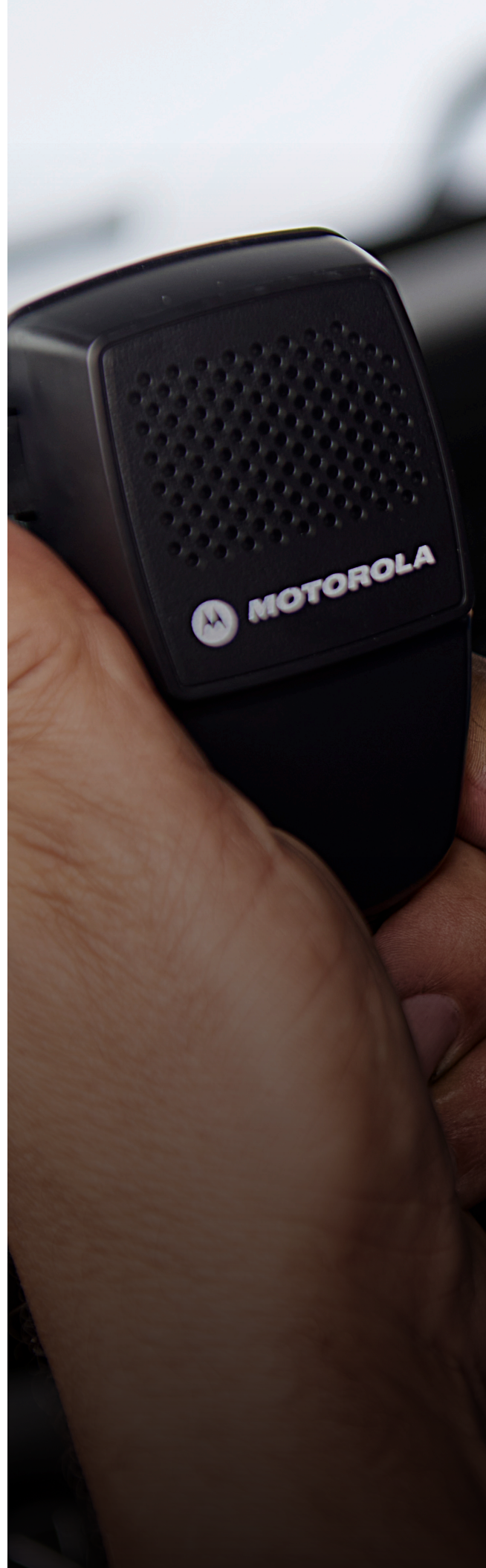
- Interoperable PTT communication across any network, device or location, including LMR networks.
- MCPTT-based features enhance safety, situational awareness and operational efficiency.
- Agency talkgroup sharing via Trust Matrix.
- Mobile app offers discreet PTT communications for undercover officers.
- Enhanced features available, including emergency calling, ambient listening, discreet listening, remote user check, enable/disable and map-based communication.

Learn how you can make interoperability easy at motorolasolutions.com/waveptx



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