

Standards compliant LMR - LTE Communications enables LMR Portable Radios to communicate with Mission Critical Push to Talk Phones on CriticalLinc and other LTE networks.



Radio Gateway

IntelliLink™ Interworking Solutions leverages Catalyst's 20 years' experience with sophisticated radio control and interface technology with new development based upon the 3GPP Standards to interface to LTE Networks, including Linc MCPTT. The result is the first interworking solution in the market based upon these standards and follows the industry trend toward standards-based solutions and away from today's profusion of incompatible PTT over cellular solutions.

Catalyst IntelliLink™ Interworking System Advantages



IntelliLink™ Interworking is a software solution running on commercial off the shelf Windows® computers. Provision as a micro pc, rackmount server, laptop or other commercially available computer that matches your environment.

IntelliLink™ Interworking is highly scalable, supporting large and small public safety organizations. Start with a single LMR Control Station and grow.

IntelliLink™ Interworking connects virtually any LMR radio system to LTE MCPTT, including both standards based as well as proprietary radio protocols.

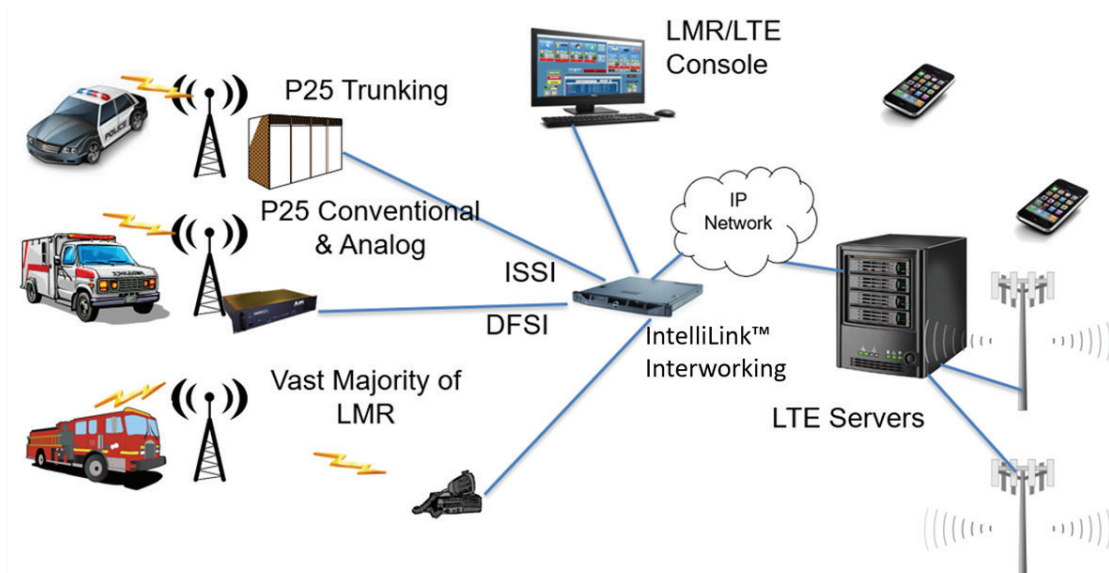
An infinitely configurable user interface sets up group calls between LMR and MCPTT Subscriber Units, and optionally Catalyst's line of Mission Critical Dispatch Console Solutions.

Contact your Southern Linc sales representative to get started:



Contact us at **1-800-818-LINC (5462)** to learn more and get started.

IntelliLink™ Interworking Solutions



Interworking solutions that provide standards-based interfaces for both LMR and LTE networks are essential to enable communications between Mission Critical Push to Talk devices on these networks. Catalyst IntelliLink™ Interworking solutions are a complete departure from existing PTT over LTE, providing the performance that Public Safety needs (minimal delay, protecting against lost syllables and words, and meta data). PTT over cellular solutions currently on the market are not designed to deliver the mission critical voice communications traditionally transmitted via LMR systems.



Technology Innovation

IntelliLink™ Interworking solutions leverages Catalyst's 20 years' experience with sophisticated radio control and interface technology with new development based upon the 3GPP Standards to interface to LTE Networks, including Linc MCPTT.

Research and Development of Catalyst's IntelliLink Interworking Solutions was funded in part from a contract with the Department of Homeland Security Science and Technology Directorate.

Catalyst's IntelliLink™ Interworking solution is flexible and will support a wide variety of LMR radio networks. Catalyst solutions augment existing efforts to define a Project 25 (P25) Inter Sub System Interface (ISSI) to LTE interface with a solution that also enables other LMR technologies

- P25 DFSI (Digital Fixed Station Interface)
- P25 CAI (Common Air Interface)
- DMR AIS (Application Interface Specification)
- Tone Control
- Manufacturer Specific Protocols (EDACS™, Nexedge™, etc.)
- DC Control