

# Seamless interoperability between LMR and Broadband Networks

## Siyata Bridge SD7-B

The NEW Siyata Bridge SD7-B is an advanced interoperability gateway and switch, designed to seamlessly connect Land Mobile Radio (LMR) systems with broadband push-to-talk over cellular (PTTToC) networks.

**The new way to two-way®.**



- 👉 **COR or VOX operation** for automatic transmission
- 👉 **Adjustable VOX delay and dropout settings** for optimized performance
- 👉 **Configurable TX and RX audio settings** for enhanced sound quality
- 👉 **Selectable active COR and PTT options** (high/low) for seamless integration
- 👉 **LED indicators** for COR/VOX, PTT, RX, and Power status
- 👉 **RJ connector** for direct LMR or donor radio connectivity
- 👉 **Future-ready** with optional serial bus connectivity for data and channel steering

Acting as a cross-broadband repeater, the SD7-B enables instant, reliable communication between radio systems operating on different channels or talkgroups—eliminating communication silos.

With the SD7-B, a UHF radio system can interoperate with a PTTToC client, or a VHF radio system can connect to a broadband PTTToC service, ensuring uninterrupted, real-time collaboration across multiple platforms.



## How it works

The SD7-B detects Carrier Operated Relay (COR) or Voice-Activated Exchange (VOX) from the connected LMR radio. When triggered, it automatically activates push-to-talk (PTT) on the broadband PTToC system and transmits LMR audio to the PTToC client.

For broadband connectivity, the SD7-B supports WiFi and cellular networks and is fully compatible with all.



Power options include a 3800mAh rechargeable battery or direct power from the connected LMR radio, providing flexible deployment for diverse operational needs.