

CONTROL STATION CAPABILITY GUIDE: MOTOTRBO™ XPR 5000

For integration with MOTOTRBO™ radio systems the InterTalk Dispatch Console System (InterTalk DCS) supports a wireless control station interface utilizing XCMP/XNL protocols to access these systems through the use of the Sentinel IP Radio Gateway.

CAPABILITIES

In addition to standard console features, InterTalk DCS supports the following for MOTOTRBO™ control station endpoints:

Capability	Enabled	Description
Interface Method	✓	InterTalk DCS interfaces with MOTOTRBO™ XPR control station radios using a Sentinel connection to ILS to provide remote access to the control station.
Channel/Frequency Change	✓	Allows a dispatcher to change the channels or frequencies of the connected device. The interface supports up to 16 channels or frequencies, depending on the characteristics of the radio system. The MOTOTRBO™ Control Station supports up to 99 channels or frequencies.
PTT-ID/ANI Alias	✓	Gives a dispatcher a visual indication of the identity associated with the last voice transmission. An identity can represent the raw subscriber unit ID (PTT-ID) or an alphanumeric string representation of it (ANI Alias). The identity can display in the Activity History and on the associated endpoint pad using the ANI pad extender. For example, a PTT ID of 2532 can be aliased to "Police 1."
Emergency Calls/State	✓	Notifies a dispatcher of an emergency situation in the field using a unique ring and visual indication. When a subscriber presses the emergency button or dials the emergency DTMF string, the endpoint generates an

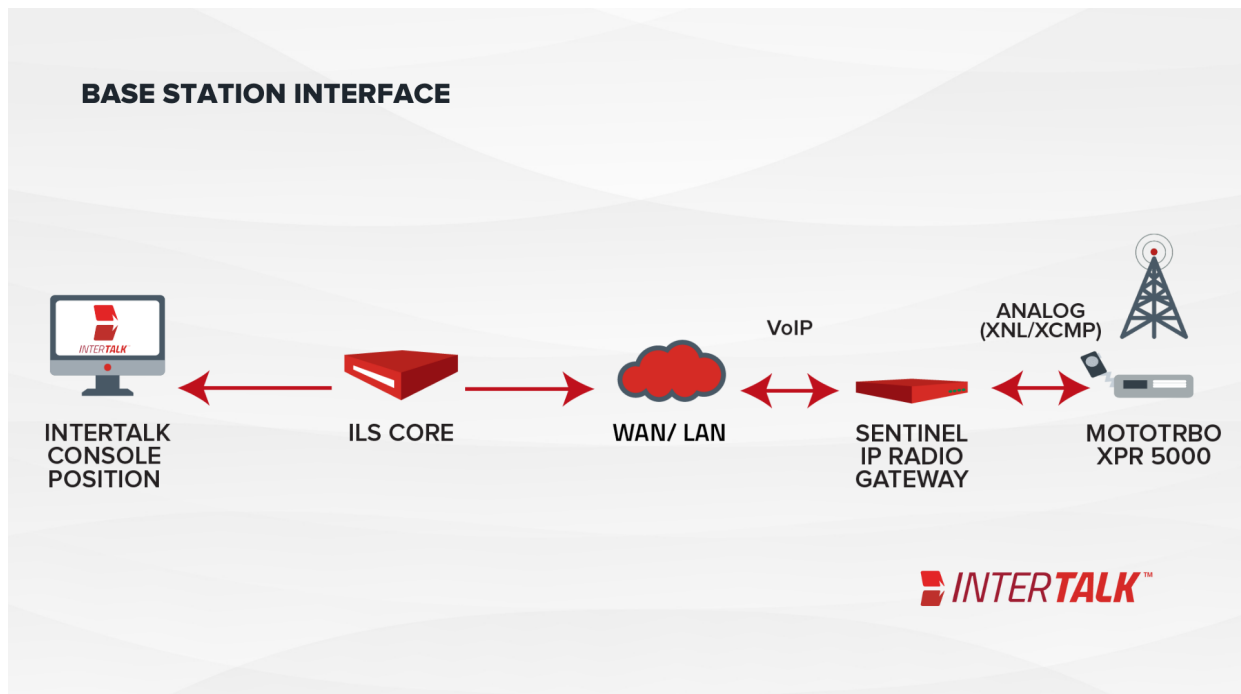
		<p>emergency call and activates the emergency state. Until the emergency state is cleared by the dispatcher, no further emergency calls from that subscriber can generate an Emergency Call.</p>
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SCALABILITY

InterTalk DCS systems using Citadel with a MOTOTRBO Series control station radio are scalable from 1 to UNLIMITED console positions. Each endpoint can have up to 16 separate channels defined and available for the InterTalk DCS.

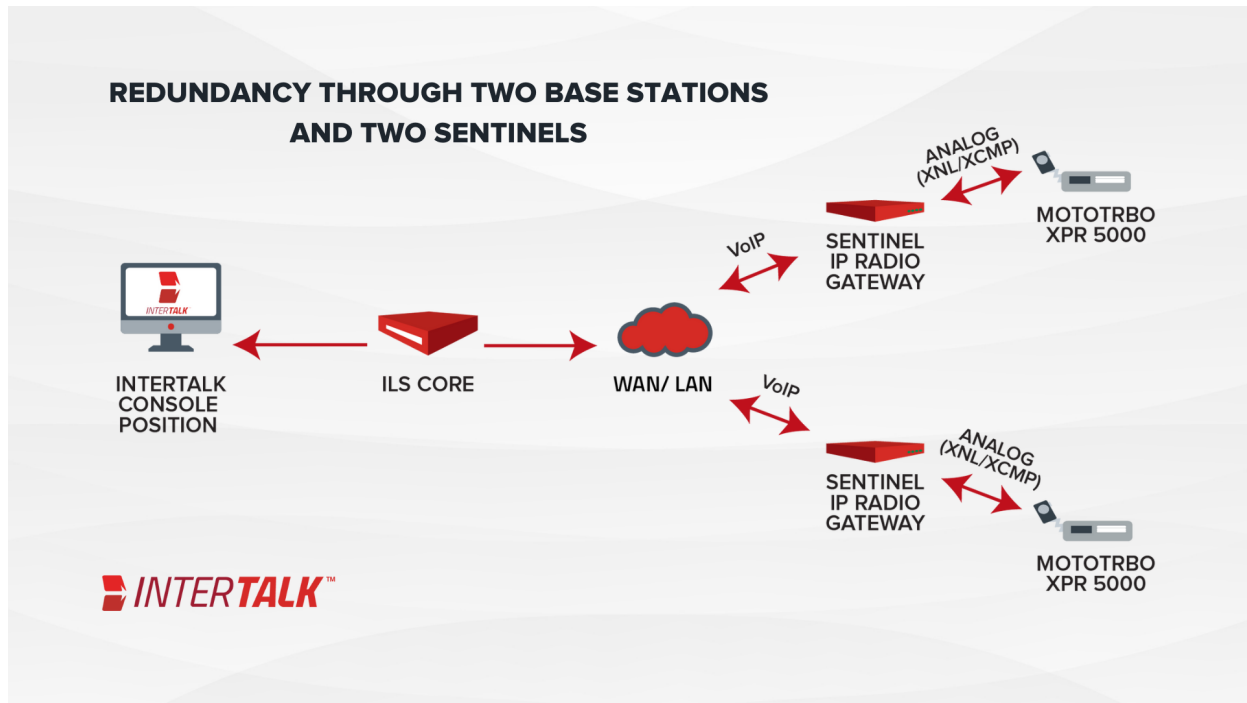
CONNECTIONS

InterTalk's ILS connects to MOTOTRBO™ XPR control station radios using the Sentinel IP Radio Gateway utilizing an IP over USB connection supporting XCL/XCMP and 4-wire connection for remote base/control station fixed installations.



The diagram above shows the setup of the MOTOTRBO™ Control Station interface with the InterTalk DCS via the Sentinel providing connectivity to a MOTOTRBO™ radio system.

InterTalk DCS and ILS also support redundant configurations using:



In both cases, the InterTalk DCS presents a single endpoint to the dispatcher. The ILS core manages routing of commands and audio so that only one of the controllers is active at any one time. The second controller takes over only when contact with the primary controller is lost.



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