

Integrating MOTOTRBO™ Radios With Your DCS-5020 Consoles

Through the use of the DCS-5020 MOTOTRBO™ Interface Module (MIM) Zetron can integrate your DCS-5020 console system onto a MOTOTRBO radio network using a MOTOTRBO Mobile radio. This is a cost effective way to:

- Quickly deploy a wireless console system to an existing Network
- Provide a console system that can be used in a fixed location or as a mobile command facility
- Maximize your investment by not requiring any costly infrastructure connectivity

Features

The DCS-5020 MIM connects to any of the MOTOTRBO mobile radio series that supports the USB audio option. This USB interface provides data transmission to the connected MOTOTRBO radio terminal allowing devices such as the DCS-5020 to control the radio for voice and data purposes in a Command and Control environment. The following console features are supported via the DCS-5020 Console system and where available on the radio model.

- **Call ID decode and display:** All calls to the console include the call ID or alias when made available by the radio to the interface
- **Emergency Calls:** Both incoming and outgoing Emergency calls are supported
- **Group Calls:** Both incoming and outgoing Group Calls are supported
- **Individual Calls:** Both incoming and outgoing Individual Calls are supported
- **Text Messaging:** Outgoing text messages from the console to the radio are supported
- **Talkgroup/Channel Lists:** Talkgroup/channel change at the console is supported
- **Scanning:** Includes the ability to set activate a scan list on the active channel
- **Radio Check:** Allows the dispatcher to perform a radio check to ensure a radio is operational in the field

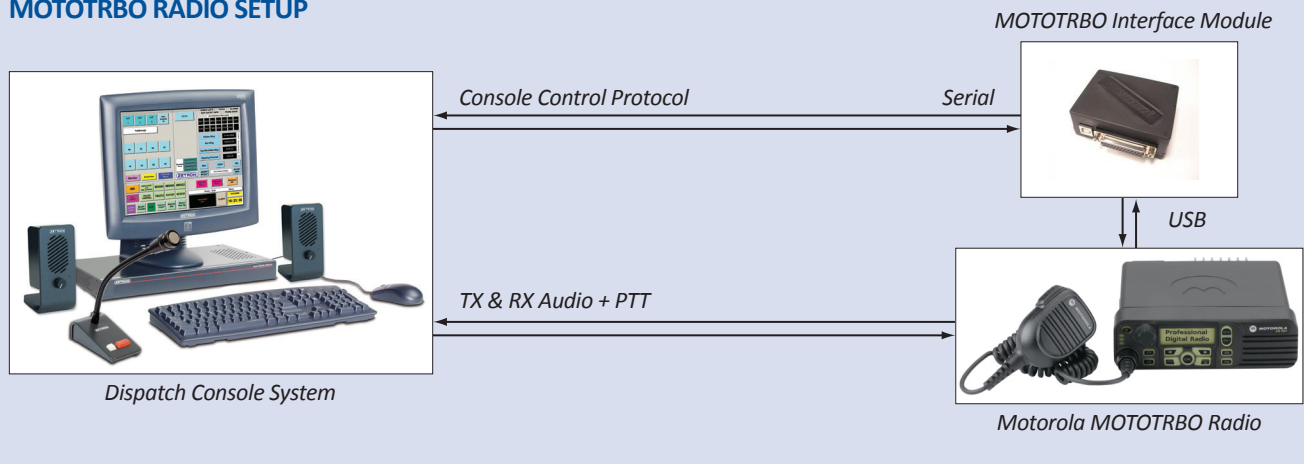


- **Radio Stun/Revive:** Allows the Dispatcher the ability to disable or enable a field radio
- **Call Alert:** Allows the dispatcher to receive call notifications from the field

How it works

The diagram on the back page shows how connection between a DCS-5020 console and a MOTOTRBO radios is established. A single MIM is required for each mobile radio interface. The MIM is connected via a serial interface to the DCS-5020 console system and via a USB interface to the MOTOTRBO radio. An audio connection is made directly from the DCS-5020 system to the radio.

MOTOTRBO RADIO SETUP



The console uses a Console Control Protocol that is common to a number of Zetron Console systems (including Zetron's Acom Advanced Communications System) to be able to provide a common console language between the Zetron console and a number of radio interfaces, including in this instance, the MOTOTRBO interface. By doing this it means that the console operation remains the same no matter what radio network the console is communicating with, whether that be TETRA, iDEN®, NEXEDGE® or MOTOTRBO. A common approach means the system could be set up to multiple radio networks and the operation of all would be identical which simplifies the user experience and makes the job of dispatching more efficient.

Further information

For more information about the MOTOTRBO Radio interface for the DCS-5020 including additional information about the radio technologies it supports contact Zetron Sales or your nearest authorised reseller.

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