

SyTech RIOS

The RIOS RMC-3200 Radio Interface Gateway

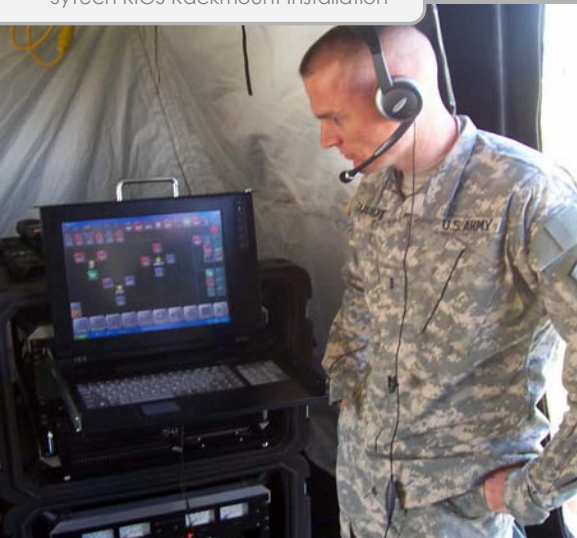
Connect HF, VHF, UHF, 700/800 MHz, cellular, and computer devices with the SyTech RIOS Interoperability System.

Communicate to local and remote assets with touchscreen push-to-talk, instant recall, simultaneous tone alerts, and other high-tech RIOS features.

Control and manage your network remotely with RIOS Client Stations. Dispatch, record, alert and remotely control all types of communication assets.

Extend your radio network with IP network integration. Connect to satellite or cellular data for limitless repeater-like functionality.

SyTech RIOS Rackmount Installation



The RIOS RMC-3200 Radio Interface Gateway SyTech's Dual-Channel Card Rackmount Gateway

The RIOS RMC-3200 interfaces to all types of two-way radios allowing for crossband communication among a variety of interfaced two-way radio, IP, and cellular communication channels when used in tandem to the SyTech RIOS Interoperability System.

The RMC-3200 offers multiple I/O card slots for use with SyTech's dual-channel interface cards. Simply unscrew, remove and swap the dual-channel card or insert new channel cards for increased scalability. Advanced capabilities include software modules for remote radios control, smartphones interface with video relay, recording and widearea networking with the RIOS Widearea Network software module.

The RIOS Rackmount RMC-3200 I/O Module

The SyTech RIOS RMC-3200 Gateway provides up to 32 radio interface channels with the corresponding SyTech Dual-Channel SuperRIB interface cards. The RMC-3200 connects to the RIOS server computer via military standard MIL-C-26482 USB connectors. The backplane interface connects all types of radios and signalling devices via D-Sub 26 pin connectors, offering audio as well as control for select radio models.



Specifications: R-IOC-RMC3200

Power

DC: 9 - 36 Volts, Apx. 7 Amps
AC: 110 - 240 Volts, 47 - 63 Hertz at 1 - 0.55 Amps

Interface

USB MIL-C-26482 to USB A
Card Slots: 16
Channel Card: SyTech Dual-Channel Radio (R-IOC-SR-DUAL)
Rear Interface: High-Density D-Sub 26 Pin
Connection: USB 2.0 (2)
Digital I/O 1: Two-Step PTT
Digital I/O 2: Full RS232 for RoIP

Audio Input: Balance or Unbalanced 600 ohms;
-68 dBm to +3 dBm, 300 Hz to 3400 Hz
Audio Output: Balanced or Unbalanced 600 ohms;

Physical

Dimensions: H, 3.5". W, 17. D, 9" (2U)
Weight: 10.4 lbs, fully populated.

Requirements

Requires SyTech Interface Cables
R-CAB-S for Standard PTT Interface (all models)
R-CAB-RCU for Radio Control (most models)
Standard Cables: 6 - 10 Ft (specify other lengths)

Requires RIOS Server Software (R-SFT-USID)
Requires Windows PC Controller or Server Client
Windows 7, Windows 8.X, Windows 10 compatible.
Recommended at least 4 GB RAM for Server or Client

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