

# SyTech RIOS

## The RIOS SRX Radio Interface Gateway

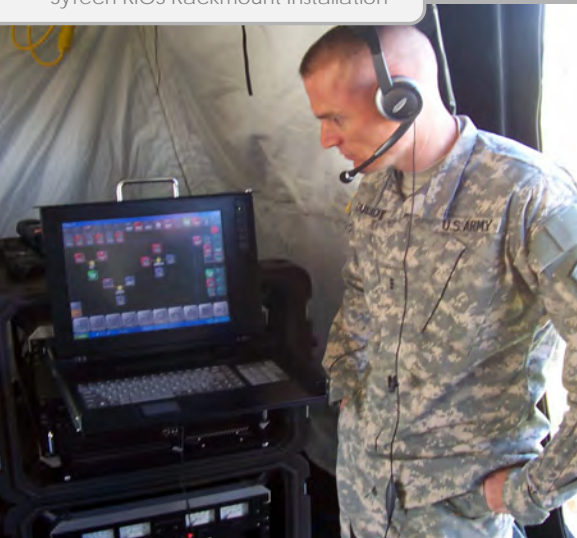
**Connect** HF, VHF, UHF, 700/800 MHz, cellular, and computer devices with the SyTech RIOS Interoperability System.

**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 SRX Radio Interface Gateway

### SyTech's 1U USB Radio Interface Gateway

The RIOS SRX 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 RIOS SRX connects to the RIOS Server Computer via standard USB. The SRX offers up to twelve (12) concurrent radio interfaces with SyTech's RIOS SuperRIBs. RIOS SuperRIBs allow for two-way audio, push-to-talk, and serial interface. The RIOS SRX offers options for AC and DC power.

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 SRX I/O Module

The SyTech RIOS SRX Radio Gateway provides up to 12 radio interface channels with the corresponding SyTech SuperRIB interface cards. The RIOS SRX connects to the RIOS server computer via military standard MIL-C-26482 USB connectors. The RIOS SuperRIB connects to 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-SRX**

### **Power**

DC: 9 - 36 Volts, Apx. 3 Amps  
AC: 110 - 240 Volts, 47 - 63 Hertz at 1 - 0.55 Amps

### **Interface**

USB MIL-C-26482 to USB A  
Card Slots: 12  
Channel Card: SyTech SuperRIB (R-IOC-SR)  
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, 1.75". W, 17. D, 9" (1U)  
Weight: 6.2 lb, 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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