

SyTech RIOS

The RIOS SRT 8/16 Interoperability Server

Integrate your current HF, VHF, UHF, 700/800 MHz, land line, cellular, SIP, iDEN, and P-25 devices into a consolidated interoperability network.

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, EVDO, or WiMax for limitless repeater-like functionality.

Mobile Command with Wireless Control



The RIOS SRT

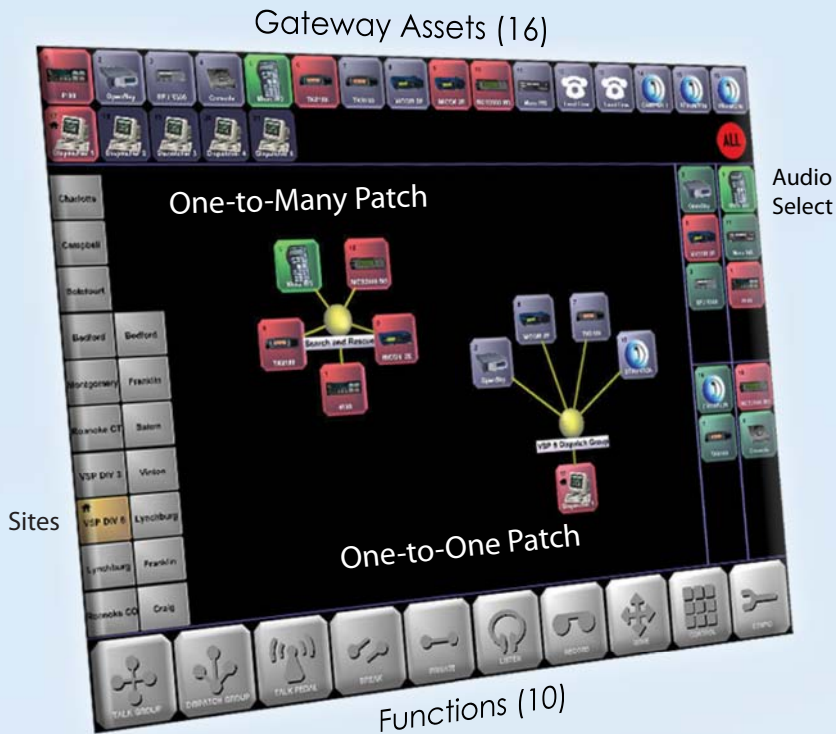
SyTech's 8 or 16 Channel Interoperability Server

RIOS allows incompatible voice and signaling systems to communicate immediately regardless of platform, frequency or physical location. Connections between systems can be made locally with the RIOS Graphical User Interface or remotely with portable devices. The encompassing RIOS system creates a cost-effective, easy-to-use communications network ideal for law enforcement, public safety, industrial and military applications.

The RIOS SRT delivers the power of RIOS within a compact, durable enclosure designed for deployable and rackmount installations. Integrate your current radio, telephone, cellular, and IP assets to create a consolidated dispatching center for mobile and fixed-site environments.

Connect to wireless networks such as EVDO and WiMax for extended-range radio and repeater-like functionality. SyTech integrates all forms of communications allowing organizations to fulfill their unique interoperability requirements.

The RIOS Graphical User Interface (GUI)



The RIOS Graphical User Interface displays an entire communications landscape within an easy-to-use graphical workspace. Real-time indicators relay current activity, connected assets and available sites.

Operators of RIOS GUI can instantly:

1. Patch between local and remote assets
2. Transit to local and remote assets
3. Send customized tone alerts
4. Record and playback audio traffic
5. Create 1-to-1 and 1-to-Many Patches
6. Notify all assets with "All Call" button
7. Monitor with select/unselect audio
8. Remotely control assets
9. Load device profiles and pictures
10. Send internal text messages

Specifications

General

AC Input: 115 to 230 VAC, 47 - 65 Hz
DC Input: 11 to 15 VDC at 5A Nominal
Weight: 15 lbs (6.8 kg)
Dimensions: 5.25"H, 19"W, 15"D (13.3, 48.3, 38.1 cm)
Operating System: Windows XP

Ports

High-Density 26 Pin, Universal Compatibility (8 or 16)
Ethernet: 10/100 Base-T (2)
USB: Standard (2)
Audio: Microphone In, Audio Out
Serial: RS 232
Video: VGA Out

Interface

Audio Input: Balance or Unbalanced 600 ohms;
-68 dBm to +3 dBm, 300 Hz to 3400 Hz
Audio Output: Balanced or Unbalanced 600 ohms;
-68 dBm to +3 dBm, 300 Hz to 3400 Hz
Telephony: -38 dBm to 0 dBm, 300 Hz to 3400 Hz
Ring Detection: 30 Vrms, 16 to 68 Hz
Caller ID: V.23 and Bell 202
Digital I/O 1: Two-Step PTT
Digital I/O 2: Full RS232 for RoIP
DSP Algorithms: Intelligent VOX or VM, DTMF
Detection and Generation, TX Keying Tones, TX
and/or RX Audio Relay

Network

Topology: Distributive Mesh
IP Addressing: One per Server
Vocoders: G.711, GSM

