

# RSP-Z2™

## DUAL-CHANNEL INTEROPERABILITY GATEWAY

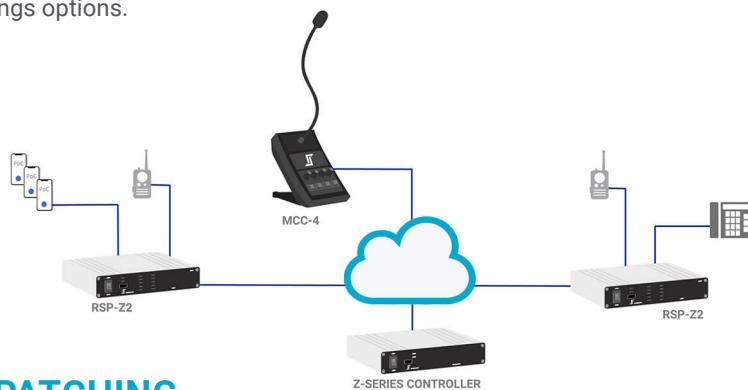


### OVERVIEW

The RSP-Z2 delivers versatile analog/VoIP audio patching between local radio and IP-based resources such as JPS RoIP or JPS RoIP+® streams, SIP devices, Push-to-Talk over Cellular (PoC) applications, and more.

Pre-set net configuration layouts for Independent Passthrough, Cross-Connected, and Cross-Connected with Backhaul make it easy to visualize audio connections. Custom mode enhances the RSP-Z2's capabilities by providing – in addition to up to four interoperability nets – one-way audio monitoring and/or broadcasting, up to four recorder resources, and streamlined integration into a wide area system managed by a Z-Series Controller.

The dynamic patching capability of the RSP-Z2 can be controlled and its audio flow monitored via the unit's web-based graphical user interface (UI), accessible from any modern computer, tablet, or smartphone browser. Context-sensitive help guides the user through all resource and system settings options.



### LOCAL PATCHING

The resources associated with the two radio connectors on the RSP-Z2 may be configured as local radios or they may be configured for IP-based communications. Two more resources on the RSP-Z2 are reserved for IP-based communications. Additionally, the RSP-Z2 provides configuration for up to four recorder resources and a local USB headset.

### ADVANCED FEATURES

Advanced features complement JPS' proven standard features like COR and PTT indicators, RX and TX audio levels, thresholds and hangtimes, among others. Unique features like patented Adaptive Transmit Delay for a superior trunked radio interface and JPS' continued attention to smooth integration with all types of half-duplex devices provide superior radio system connectivity. SIP-specific options such as Auto Dial on Transmit, Registrar connectivity, and advanced NAT traversal facilitate SIP system and device integration. A growing list of connectivity to different types of audio streaming services ensures the complex challenges of patching these systems to radios or each other is handled with ease.

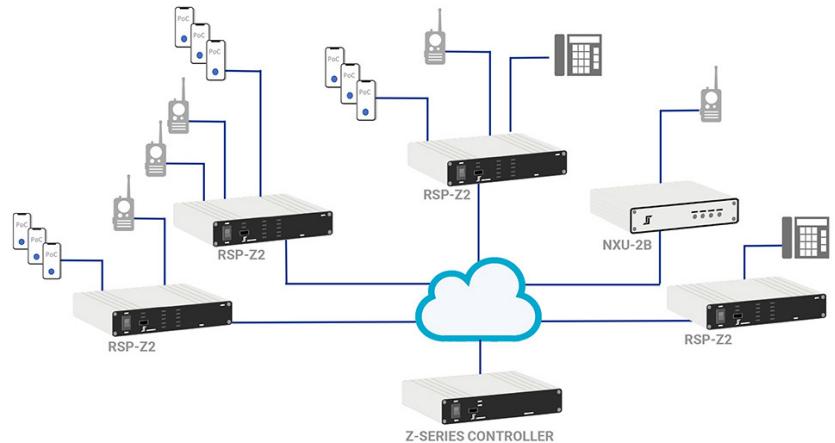
### KEY BENEFITS

- + Supports: Radio & four-wire interfaces, RoIP+, RoIP, MCC, RTP, SIP, & PoC connections
- + Tight integration with the Z-Series Controller
- + Single Ethernet port and IP address; configurable NTP
- + Extensive USB wired and wireless headset compatibility
- + Custom mode for wide area integration, Monitor/Broadcast, and recorder streams
- + Resource-specific settings for optimal audio quality
- + SIP resource-level, system-level, and registrar settings
- + Patented, enhanced trunked radio Adaptive Transmit Delay
- + Uses standard JPS radio interface cables; is compatible with all JPS RoIP interfaces
- + Encryption optionally available
- + Includes versatile RoIP+ protocol

## APPLICATIONS

Highly capable on its own, the RSP-Z2 integrates seamlessly with the Z-Series Controller to create an expandable, robust wide area system.

When an RSP-Z2 is made part of a wide area system managed by a Z-Series Controller, all its resources immediately display on the Z-Series Controller UI where they can be managed or even reconfigured by the operator.



Meanwhile, the RSP-Z2 UI continues to reflect its own resources, as well as status and connection indicators, including JPS Talkpaths for when a resource is put into a net with a resource from another system.



## SPECIFICATIONS

### Size and Weight

1.25" H x 6.5" W x 6.5" D (3.2 x 16.5 x 16.5 cm); 1.5 lbs (0.7 kg)

### Audio Vocoders

GSM (13 Kbps), PCMU/G.711  $\mu$ Law (64 Kbps), PCMA/G.711 aLaw (64 Kbps), Opus (~6 Kbps, ~10 Kbps, ~12 Kbps)

### Input Power

+11 to +15 VDC at 1.5A max.; 12 VDC power supply provided (100-240 VAC input)

### Impedance

Input: Balanced 2.2k $\Omega$ , transformer coupled  
Output: Unbalanced 600 $\Omega$ , AC Coupled

