

Z-SERIES CONTROLLER™

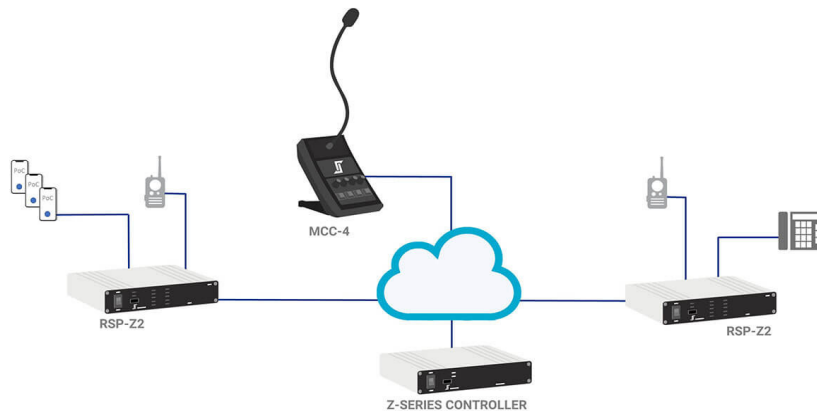
SCALABLE INTEROPERABILITY SOLUTION



OVERVIEW

The Z-Series Controller creates a scalable interoperability system that is easily managed via its straightforward, browser-based user interface. Tying together the wide range of audio communications devices remotely interfaced to it, the Z-Series Controller enables audio sharing with all JPS RoIP products, such as the NXU-2B, the ACU-M, or any of the Z-Series products.

Features like simplified dispatch capability, monitoring by non-dispatch resources, and IP recorder integration provide enhanced functionality. They make the Z-Series Controller an adaptable solution to a diverse array of interoperability and communication uses.



MANAGE RESOURCES

Easily create and manage interoperability nets that cross-connect various resources interfaced to the Z-Series Controller that are interfaced via IP to the Z-Series Controller. Examples of remote devices may be radio translated to RoIP using an NXU-2B, SIP devices backhauled through an RSP-Z2, MCC-Series Console channels, Push-to-Talk over Cellular (PoC) talkgroups, and more. Once the remote resources are connected to the Z-Series Controller, the operator simply manages all net activity using the intuitive browser-based user interface.

VERSATILE DISPATCH

A versatile dispatch feature provides one- and two-way communication with any of the resources on the Z-Series Controller. Dispatch is recognizable in the user interface as a distinct area and can conveniently be minimized when not in use. Any resource can be designated the dispatcher, and dispatch audio remains separate from other net audio. Like net audio, dispatch audio may be streamed for IP recording.

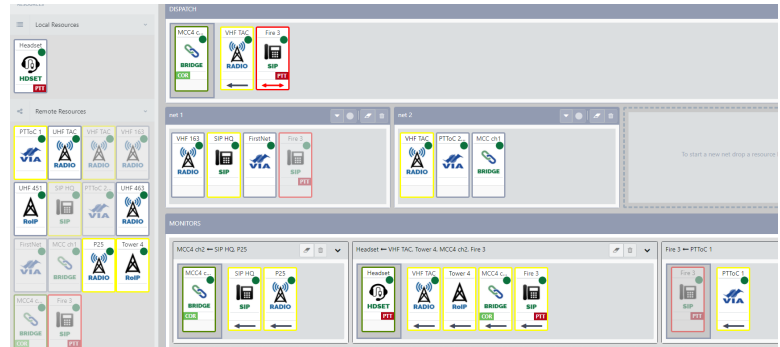
Monitoring capability that is independent from dispatch is also offered. Any resource streaming through the system can be designated a monitor and multiple monitor nets can operate concurrently.

KEY BENEFITS

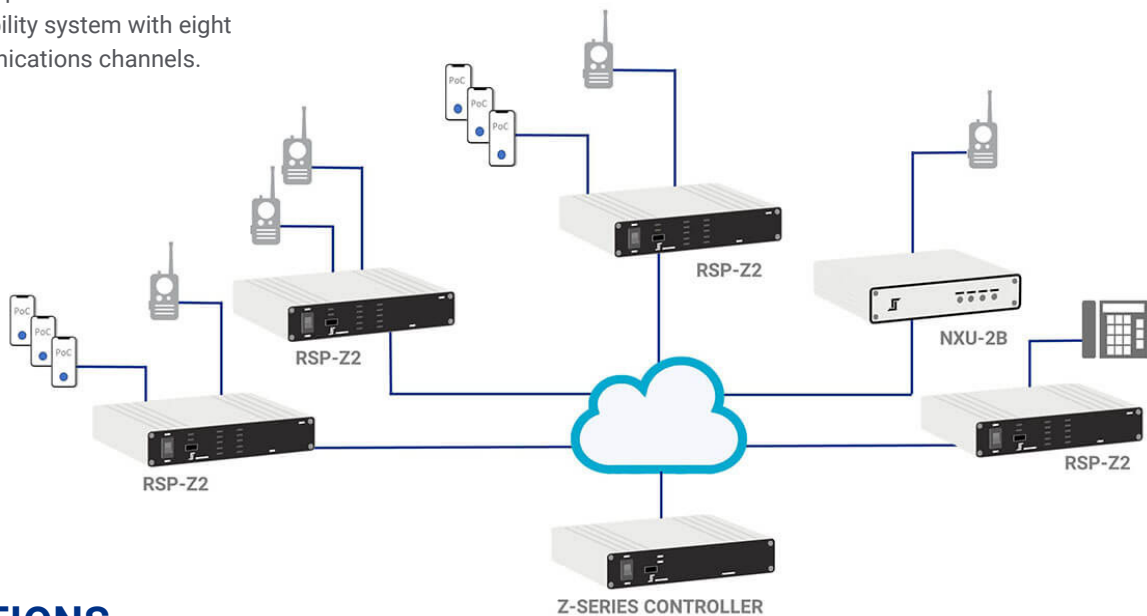
- + Up to 80 resources can be interfaced into a wide-area interoperability system
- + Provides one- or two-way light dispatch through the browser-based GUI
- + Facilitates resource monitoring with distinct monitor nets
- + Simplified streaming to IP-recorder for interoperability nets and dispatch
- + Monitor/dispatch with specified USB wired/wireless headsets
- + Encryption optionally available for JPS RoIP and Bridge audio
- + Use a PC, Smart Phone, or Tablet for configuration and control
- + Optional interfaces include specified desktop microphones and IP recording systems

APPLICATIONS

Through the Z-Series Controller GUI, an operator creates interoperability nets by drag-and-drop operations on any of the endpoint resources interfaced to the Z-Series Controller. These resources stream through other systems, such as other RSP-Z2s, NXU-2Bs, and ACU-Z1s.



The diagram below depicts a small Z-Series Controller interoperability system with eight remote voice communications channels.



SPECIFICATIONS

Size and Weight

1.5"H x 7.75"W x 6.5"D (38 x 200 x 160 mm); 2.0 lbs (0.9kg)

Input Power

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

Audio Vcoders

GSM (13 Kbps), G.711 A-law (64 Kbps), G.711 μ law (64 Kbps)

Network Interface

10/100BASE-T Ethernet, 10 or 100 Mbps; RJ-45 Connector

