

# RSP-Z2™

## Dual Channel Radio/PSTN Internet Gateway

Delivery: March 2018



This versatile VoIP to analog interface allows a radio, a pair of radios, or a radio and a PSTN connection to be patched together and/or remotely interfaced to other devices or to a dispatch capability via various common protocols: SIP, RTP, or JPS RoIP.



## Benefits

- Intuitive web-based GUI with SSH encryption
- Supports: Independent SIP, RTP, or ROIP radio interfaces; Remote Radio Relay; Remote PSTN to Radio Patch.
- Single RJ-45 connector & IP address for both channels
- Can use a PC, Smart Phone, or Tablet for configuration, control, and audio links
- USB port supports software upgrades and monitor/dispatch with specified USB headsets/DECT 6.0 Headsets
- Connects to JPS WAIS systems
- PSTN users can dial in and use DTMF to create a connection to either of two radios interfaced to the unit (guided by voice prompts)
- Includes JPS radio interface algorithms developed over several decades as the leader in radio interoperability
- Uses standard JPS radio interface cables
- Remotely interfaces radios, PSTN, or other devices to other RSP-Z2 units and JPS gateways, including the new ACU-Z1

## Overview

The RSP-Z2 incorporates the latest JPS interoperability technology advancements into a small metal package; the result is an incredibly versatile dual channel VoIP-to-analog interface unit.

The unit's two analog ports can be cross-connected, creating a local radio-to-radio or radio-to-PSTN patch that can be remotely controlled and monitored, or even patched to other devices. Incorporating the JPS suite of radio interface algorithms and able to use our large catalog of radio interface cables, the RSP-Z2 embodies all of the customer-friendly features and benefits you've come to expect from JPS.

## Remote Extension Mode

When used in the Remote Extension Mode, the RSP-Z2 essentially acts as a pair of independent "cable extenders," able to transfer audio plus PTT & COR signals, via IP, from local radio or PSTN sources to other devices.

In this mode, the unit behaves similarly to a one or two channel version of the popular JPS NXU-2A and ARA-1 units, but with many additional features such as RTP along with RoIP & SIP, and if desired, a PSTN interface.

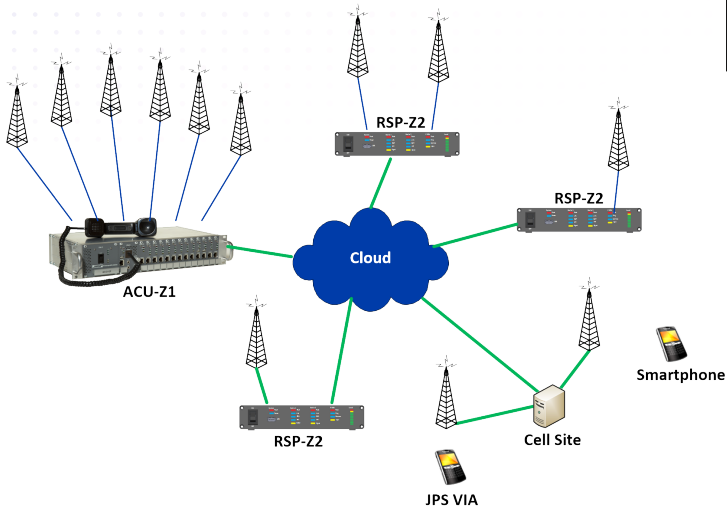
## Stand Alone Mode

In Stand-Alone Mode the RSP-Z2 can create a local patch between its two analog interfaces (radio-to-radio or radio-to-PSTN). This dynamic patching capability can be controlled and its audio monitored via the unit's web-based graphical user interface. Audio from this local patch can also be connected to additional radios or other devices interfaced by additional RSP-Z2 units or by a JPS radio interoperability gateway.

## Controller Mode

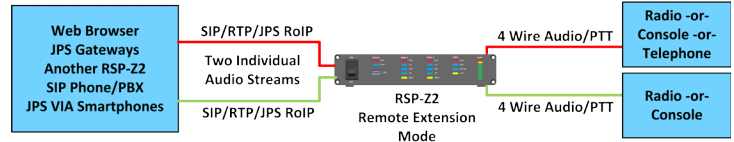
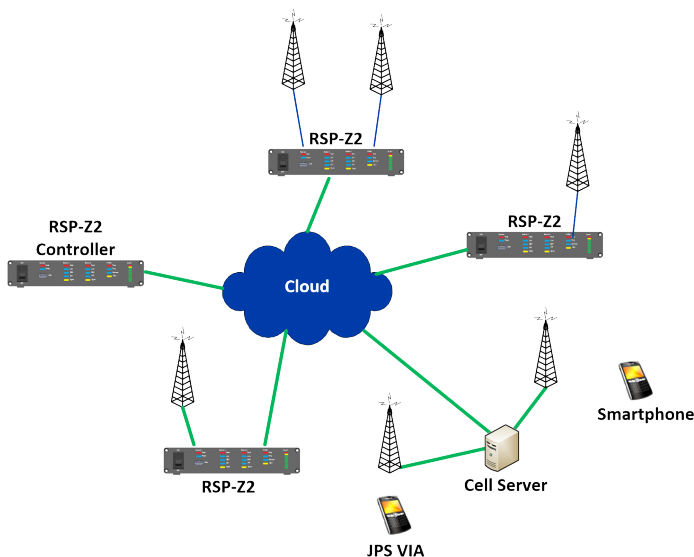
Multiple RSP-Z2 units can also function as a wide-area interoperability system. One RSP-Z2 is set to Controller Mode, able to cross-connect any of the radios, PSTN lines, or other devices that are interfaced to the other RSP-Z2s. System operators browse to the Controller unit, which hosts a Graphical User Interface similar to that of the ACU-Z1 gateway and use this GUI to create interoperability nets.

# RSP-Z2™



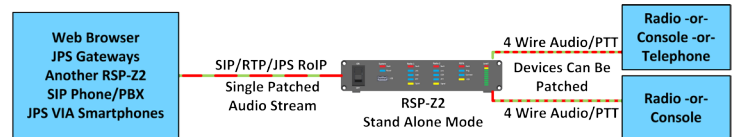
Above: The RSP-Z2 can function as a remote radio interface for an ACU-Z1 interoperability system, controlled by the ACU-Z1's web based GUI. Note that in this capacity, the RSP-Z2-linked radios are not tied to any of the ACU-Z1 plug-in modules, keeping these resources free, thereby creating an extremely scalable system. These units, under control of the ACU-Z1, can patch their analog ports and send a single combined audio stream.

Below: Multiple RSP-Z2 devices can also be used to create wide area interoperability system, with a similar GUI on one RSP-Z2 unit that's functioning in Controller Mode.



Above: The RSP-Z2 functioning as a pair of independent Radio to IP interfaces. Optionally, one of the two analog ports can be a PSTN interface. There is a single RJ-45 Ethernet Port and IP address, but in the Remote Extension Mode, each path is independent of the other. The transport protocol for each path (SIP/RTP/JPS RoIP) is user-configurable, depending on system requirements.

Below: In Standalone Mode, the RSP-Z2 can patch together its two analog ports. If desired, this combined audio can be sent via IP in a single stream, using the desired transport protocol.



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