



JPS Interoperability Solutions

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ACU-2000

Executive Outline

January 12, 2018

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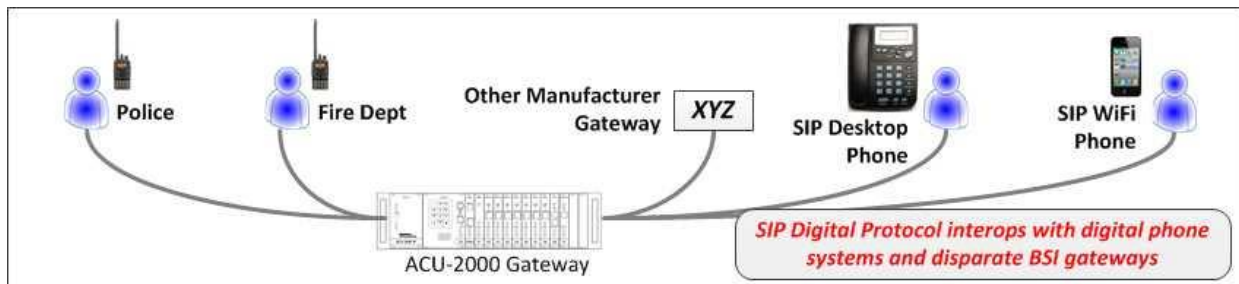
Products Link: <http://www.jpsinterop.com/tradeshaw/>



Benefits for JPS Products ACU-2000, ACU-5000, ACU-T, ACU-M

- **Suffering from typical interoperability issues between radios such as Ping Ponging, and missing syllables:**
 - Sophisticated DSP algorithms in the JPS interoperability products will help
- **Are repeater long squelch tails causing problems with your interoperability system interface:**
 - The JPS COR Inhibit and VMR (VMR-Voice Modulation Recognition) will help (COR indicates you are receiving a valid signal)
- **Need a reliable COR for AM/HF/Single sideband radios:**
 - The leading JPS VMR and noise reduction algorithms are your solution
- **Want a cell phone PTT interface that connects to the JPS interoperability product line:**
 - Use the new JPS VIA Smartphone App (powered by ESChat) which gives a PoC interface to the Z1, Z2, 2000, 5000, T, M and NXU systems, as well as optional connection to ISSI, AIS, and FirstNet
- **Is your radio phone patch working reliably with clean/clear audio:**
 - Our Adaptive hybrid in our PSTN modules will offer the solution
- **Wishing you had a reliable COR for VHF, UHF, 800MHz, and trunking radio systems:**
 - The true and time tested JPS VOX or VMR will solve this problem
- **Need Bridging System Interface (BSI) compliant protocols for your gateway interoperability:**
 - Our products meet this specification
- **Missing radio interface cables for your interoperability system:**
 - The JPS library of over 300 radio-specific interface cables and templates covering most radio makes & models is your answer
- **The JPS Radio over Internet Protocol (RoIP) is reliable and for years, customers recognize the JPS RoIP as the best in the public safety market**
- **JPS WAIS System capable (WAIS - Wide Area Interoperability System)**
- **Proper for Public Safety, DOD, commercial, education, international, and Private Sector**

ACU-2000 / Communication Interoperability with SIP



The ACU-2000 IP offers a full suite of network capabilities including linking of radios over an IP network, control of large interoperability systems via IP, remote channel change over IP, and the ability to interface radios via SIP

Overview

- Intelligent Audio Communication Gateway
- Up to 24 channels (dual chassis)
- The ACU-2000 IP gives true convergence of Local Interoperability, IP communications and control, with the advantages of the open-standards SIP protocol to your radio systems and adds radio functionality to your network.
- Modular interoperability system employing proven JPS DSP Technology, Radio over IP (RoIP), and SIP technologies
- Builds on the industry standard ACU-1000's ability to link disparate communications systems
- Offers unsurpassed local and wide area interoperability by directly connecting or networking UHF, VHF, 700/800, HF, P25, military radios and PTT devices, Cellular, Digital SIP, and Land Line telephone endpoints
- Systems can link, be monitored, and controlled over an IP network

- SIP capabilities allow SIP-based systems or individual SIP endpoints (such as SIP phones or softphones) to be included in the conferences
- Flexible Distributed or Server-Based configuration allows compatibility with different architectural environments and philosophies
- TX & RX Audio delay
- Noise reduction

Advantages

- Digital Signal Processing, multiple RoIP, GUI interface, radio templates, SIP capability

Past Performance

- Thousands of operationally fielded units