



JPS Interoperability Solutions

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ACU-M

Executive Outline

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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-M / “Mini” Communication Interoperability



Overview

- Intelligent Audio Communication Gateway in a small form factor designed to maximize ease of setup and use
- Self-Contained interoperability system employing proven JPS DSP and Radio over IP (RoIP) technologies
- Offers unsurpassed local and wide area interoperability by directly connecting or networking UHF, VHF, 700/800, HF, P25 radios and PTT devices
- Control and status monitoring options make the ACU-M truly flexible and versatile. Interconnections between any of the system radios and RoIP links (and a local operator) can start and end using:
 - Integral front control panel buttons and LCD display
 - Remote DTMF signaling from radios and consoles
- ACU Controller software via IP networks or serial RS-232 links
- 4 radio channels + 2 RoIP channels
- Weighing less than 3 pounds, the ACU-M can deploy anywhere and its affordable price makes it ideal for any agency



Advantages

- Digital Signal Processing, multiple RoIP vocoders, GUI software interface, radio templates, network remote interface
- Self-contained, computer-less integrated front panel button and LCD operations
- Onboard radio templates

Past Performance

- Proven ACU technologies with 1000 + deployments