



JPS Interoperability Solutions

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ACU-5000

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-5000 / Communication Interoperability with SIP



Overview

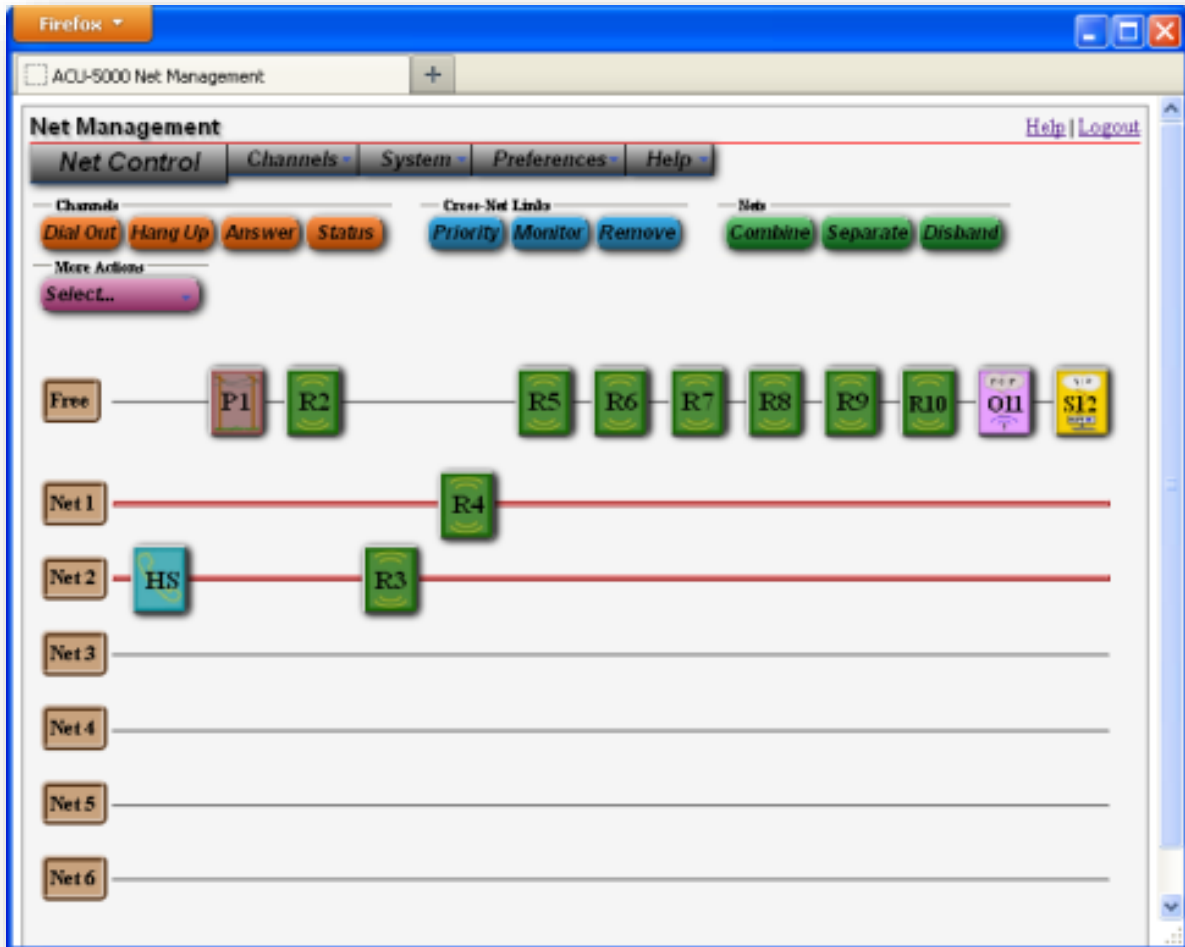
- The ACU-5000 keeps the great features that made JPS's ACU product line the industry leader – with a technology refresh in a smaller, One Rack Unit high form factor plus many new capabilities
- The ACU-5000 IP gives true convergence of Local Interoperability, IP communications and control, giving your radio system the advantages of the open-standards SIP protocol while adding radio functionality to your SIP network
- Incredibly versatile; 12 communications channels that can configure as user-defined combinations of radio, phone, or VoIP (SIP) or RoIP channels
- Offers unsurpassed local and wide area interoperability by directly connecting or networking UHF, VHF, 700/800, HF, P25 radios and PTT devices, Cellular, SIP and Land line telephones / end points
- Integrated Web Browser-Based configuration and control prevents the need to have hardware specific software applications preloaded on controlling computers
- Optimized cables and preloaded settings ensure quick interface of radios, phones, satellite (Sat) phones, etc.
- TX & RX Audio delay

Advantages

- High port density – 1 Rack Unit high
- Digital Signal Processing

Past Performance

- Operationally fielded, public safety and NG



ACU-5000 Browser Based GUI