



JPS Interoperability Solutions

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ARA-1

Executive Outline

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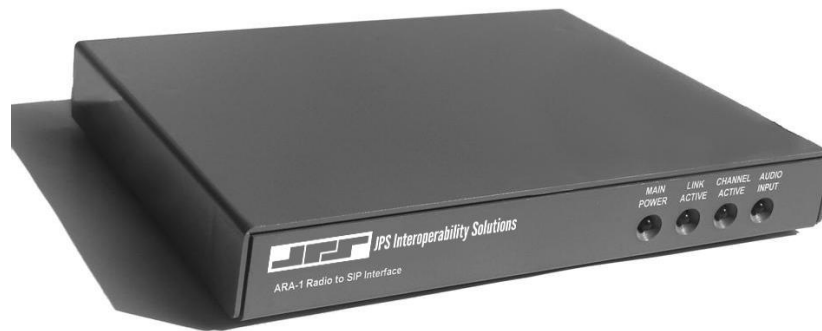
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Products Link: <http://www.jpsinterop.com/tradeshow/>



ARA-1 / Analog Radio Adapter

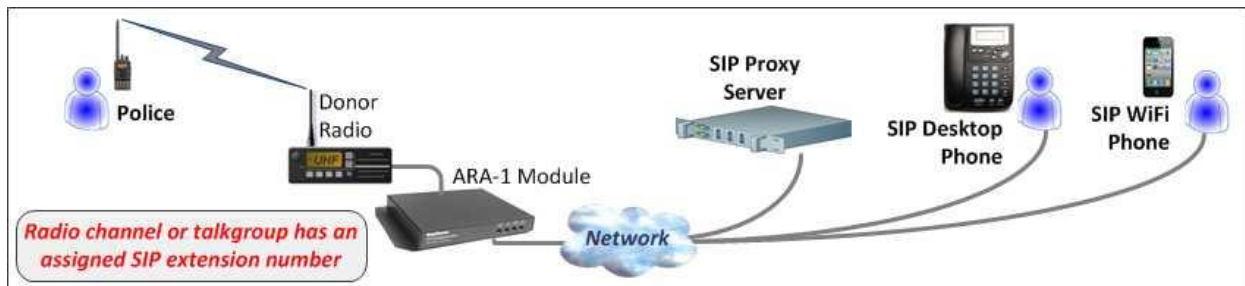


Benefits

- Do you need a SIP-to-Radio interface which brings radio advantages to SIP networks and SIP capabilities to radio networks:
 - Then the ARA-1 is for you
- Do you want a radio channel/talk group connection from a SIP PBX extension number:
 - Interoperability is as simple as dialing an extension number with an ARA-1
- Do you need to extend SIP based communication to areas where cell phone carriers do not offer coverage (but LMR offers coverage):
 - The ARA-1 is the answer
- Do you need to monitor or control your SIP interoperability link from anywhere on a laptop:
 - Our Web Browser-based control and configuration capability is the solution
- Suffering from typical interoperability issues between radios such as Ping Ponging, and missing syllables:
 - Sophisticated DSP algorithms in the JPS interoperability ARA-1 will solve this problem with adjustable transmit and receive audio delay, and VOX and VMR COR types
- Easy to associate to peer end-point with IP address in SIP proxy server-less environment
- Bridging System Interface (BSI) compliant protocols for gateway interoperability
- 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
- Constrained by bandwidth:
 - Multiple codec and compression level options allow system optimization in relation to available bandwidth.
- Appropriate for Public Safety, DOD, education, commercial, international, and Private Sector

Overview

- Simply defined, the ARA-1 offers a seamless interface between a radio and an IP-based network using SIP
- Implements standards-based SIP Protocol
- Leverages SIP network environments to extend voice communications to areas outside of the radio system's coverage area
- Brings SIP PBX features into the radio arena – can include call logging, forwarding, and recording
- Radio-centric interface can support 4- or 2-wire, balanced or unbalanced full-duplex radio systems



Advantages

- Suited for standards-based environments implementing SIP digital telephony
- Radio systems can harness digital telephony features and functions available to SIP devices

Past Performance

- 1,700 + deployments