ACU-M™

MISSION CRITICAL INTEROPERABILITY GATEWAYS

OVERVIEW

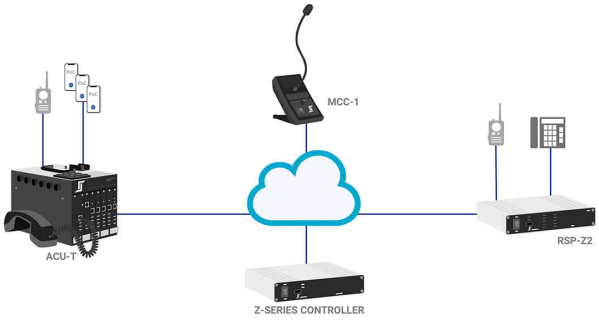
The ACU-M provides the functionality and reliability of proven ACU technology in a compact design. Weighing less than three pounds, the ACU-M can be deployed anywhere and its affordable price makes it ideal for any agency. Competent interoperability is a key component of incident preparedness and situation management. When you're in the field during a crisis, what you care about most are speed, simplicity, and reliability.

A compact, easily portable and quickly deployable interoperability gateway, the ACU-M is feature-rich, simple to use and can be networked and managed remotely. Its intuitive interface enables sure operation and provides field diagnostics and programming capabilities.

With its comprehensive suite of DSP functions, the ACU-M offers significantly higher functionality than any of its competitive counterparts at a price that fits any budget. The devices interfaced to the ACU-M can be interconnected in any combination - from three independent nets, to a single net with all users connected together. The ACU-M offers maximum portability, helping to quickly establish command and control in various field applications. Small enough to be easily transported, robust enough to compliment any communications suite, the ACU-M is the new standard for mission critical interoperability.

NETWORKED ACU-M

The ACU-M Network Option provides a pair of RoIP channels that allow remote radios to be interfaced to the unit via JPS NXU-2B devices, or allow the ACU-M to be included in a WAIS (Wide Area Interoperability System).



A WAIS can include any number of operators and communications end points (radios, phones, etc.) interfaced via ACU-Ms and other ACU devices, all networked together.

The RoIP channels can be purchased upfront or electronically upgraded later. The RoIP channels are accessed via the ACU-M Ethernet port. This port is active whether or not the RoIP channels have been activated, and is always available for monitor and control via the ACU Controller software provided with each ACU-M.

KEY BENEFITS

- Any combination of cross-connections possible between four radio ports, local handset, and optional VoIP/RoIP ports
- Top panel pushbuttons control connections and display gives quick status of connections
- Quick configuration via top panel using stored radio templates for hundreds of common radio models
- Versatile, portable, and affordable
- Can be included in a Wide Area Interoperability System (WAIS); requires Network Option
- Pelican case option allows power by vehicle (12 volts) and includes battery, charger, and storage slots
- Easy installation in vehicle or equipment rack using the snap in bracket provided with each unit

SOLUTIONS SUMMARY

- Interconnects 4 audio devices, 2 VoIP/RoIP channels, and local operator
- Cross-connections between devices controlled by top panel pushbuttons or ACU Controller software, included on CD and downloadable from website; not required for local operation
- LEDs provide connection status and diagnostics for each port
- Compatible with existing ACU cables
- Can interconnect radios in any band including HF, VHF, UHF, P25, 800Mhz
- Internal pre-configured radio template library for all supported devices
- Water-resistant top panel with integrated pushbuttons and displays provides full local control and configuration capability
- Local monitor functionality
- Voice prompts indicate changes in connection status
- Upgradeable system software via network connection
- External audio connectors for a variety of handset and headset support

TRANSPORTABLE CASE OPTION

A very convenient option is available that bundles the ACU-M with four radio interface cables and the RoIP network option, all installed in a rugged foam lined carrying case with rechargeable battery. This option maximizes ACU-M functionality and ease-of-use while minimizing set up time, a crucial element when responding to disasters or other incidents that require interoperable communications.

SPECIFICATIONS

Size and Weight
3.1" x 8" x 11" HDW (6.3 x 20.3 x 25.4 cm)

Input Power
+9 to +15 VDC @1A Average nominal

Audio Vocoders
GSM (13 Kbps), PCM G.711u (64 Kbps)

Impedance
Input: Balanced & Unbal Hi-Z
Output: Unbalanced 600Ω