



► Model CS-RIU

RIU Radio Interoperability Unit

The SmartMsg RIU features embedded VoIP architecture to support simultaneous broadcast of text and voice alert notifications to two-way VHF and UHF radios, pagers, PA systems and other PTT devices, as well as cell phones, landlines, PCs and wireless PDAs.

The RIU supports radios from different manufacturers across multiple bands and frequencies (including shortwave and P25 digital), and pre-defined talk groups. The SmartMsg RIU is a compact hardware appliance used with a standard PC running the SmartMsg Radiolink application.

The SmartMsg Radiolink application automatically recognizes the presence of the RIUs and any connected radio. All devices are connected to the RIU via Federal Signal's patented SmartCables, which identify the cable's chip ID, the agency owning the cable and radio model settings. The cables automatically configure radio and agency-specific communications settings to ensure network security, and the VoIP architecture effectively enables each radio as a secure virtual repeater.

FEATURES

- Communications interoperability for all LMR radio systems (800 MHz, UHF/VHF, digital band and shortwave radios)
- VoIP-based convergence of multiple voice-capable devices, including radios, phones (cell, SAT, IP and PBX) and computers
- Intelligent "plug and play" communications interoperability with smart recognition of agencies and radio types accessing the network
- Real-time audio buffering to accommodate individual radio-system latency
- All-in-one package for mobile desktop or rack mounting
- Requires PC with USB interface

RIU Radio Interoperability Unit (RIU)

S P E C I F I C A T I O N S

- No heat displacement
- No venting requirements
- Powered via PC USB port
- SmartCables auto ID an Agency's Radio System
- Talk Privileges and radio system settings
- SmartCables for deployment ease
- Unlimited RIUs supported at incident site or across dispersed network
- Cellular, satellite and private data wireless for bridged communications

| | | |
|--------|--------|-----------|
| Height | 1-3/8" | 34.92 mm |
| Width | 4" | 101.6 mm |
| Depth | 6-5/8" | 168.27 mm |

H O W T O O R D E R

| Description | Part Number |
|---|---------------|
| Radio Interface Unit (requires cables, ordered separately) | CS-RIU |

O P T I O N A L A C C E S S O R I E S

| Description | Part Number |
|--|-------------------|
| Mandatory connector cable for the RIU and RIU+ (one cable per radio interface needed) | |
| Universal RIU Adaptor Interface requires one per cable below, up to 4 per RIU device | 8647000A |
| Available radio interface cable options (one per radio required) | |
| Motorola XTN/CP200/BPR40 | 864700073A |
| Motorola HT 1000, XTS 5000 | 864700074A |
| Kenwood (TK2170,TK2302V, NX-240V,NX-340U) | 864700075A |
| BENDIX KING | 864700076A |
| Motorola HT 1250 & Compatible | 864700077A |
| Icom F11S | 864700078A |
| Motorola CDM 750/1550/CM200/CM300 LS/PM400 | 864700080A |
| Motorola Turbo XPR6550, APX7000 & Compatible | 864700081A |
| Motorola XPR 4550,ALL XPR Mobile | 864700082A |
| Motorola MCS 2000 DB25 Rear Connector | 864700083A |
| M/ACOM M7100 | 864700084A |
| M/ACOM M7300 | 864700085A |
| Kenwood TK-480,TK-5320 | 864700086A |
| MACOM P7100 SERIES, MC-1527 PRYME | 864700087A |
| Kenwood TK5810 | 864700103A |
| Kenwood TK790 | 864700104A |
| Motorola Astro XTL 1500, 2500, 5000,APX7500 | 864700105A |
| Hirose Plate Assy w/male female extension | 864700136A |