



The Mindshare Radio Interface (MRI) is a Voice over IP (VoIP) endpoint device which acts as a console system gateway to control station radios and legacy analog interfaces. It is specifically engineered for radio control application and is designed to operate in the same environment as the radio equipment it interfaces with.

MRIs maybe deployed in two form factors, a single stand alone enclosure or a multi-unit rack mountable card cage.

SPECIFICATIONS

Weight	3.2 lbs. (Single Enclosure)
Dimensions	6" W x 10 $\frac{1}{8}$ " D x 1 $\frac{3}{4}$ " H
Operating Temperature Range	0 to +50 °C
Power Requirements	13.8 VDC, 1 A
Network I/O	1 x RJ45 10/100 Mbps Ethernet
Interfaces	2-wire and 4-wire Tone Remote Control (600 Ohm Balanced) E&M RS232 Serial
Digital Inputs	1 x Carrier Operated Relay (COR), 1 x Trunked Channel Access (TCA) Diode blocked open collector
Digital Outputs	4 x 3.3VDC or 12VDC Binary Coded Digital
Relay Outputs	1 x PTT Relay, 1 x Monitor Relay, 1x Spare Relay 125 VDC, 150 VAC Maximum Voltage 1 A Maximum Switched Current 1 A Maximum Carrying Current 30 W (DC), 60 VA (AC) Maximum Switch Power
Frequency Response	+ 1/-3 dB, 300 to 3000 Hz except at the transmit tone notch frequency
Noise Floor	45 dB below operating levels
Codec Gains	0 to 42 dB in 1.5 dB Steps (Inputs), -42 to 0 dB in 1.5 dB Steps (Outputs)

Specifications subject to change without notice. Check css-mindshare.com for downloads/updates.



FEATURES

- Web configuration interface
- Multicast IP RoIP links
- CTCSS tone generation with separate summed output
- FleetSync® encode and decode
- MDC-1200 encode and decode
- 2-wire and 4-wire (600 Ohm Balance) and 4-wire single ended modes
- Tone Remote Control (16 Functions, fully customizable Guard/Function/Hold/Monitor parameters)
- Binary Coded Digital Outputs (Channel Change)
- RX Automatic Gain Control
- Transmit Monitor (Tone Control Mode)
- VOX, COR, Voter Status Tone and Serial RX call detection
- PTT, Monitor and Spare Relay Outputs
- Native crosspatch
- Radio Presence Polling

SERIAL CONTROL



JPS Interoperability Solutions

Models

SNV-12

Functions

Site Voted/Failed Status, Site UnSquelched Status, Site Transmit, Selected Status, Site Signal Quality Status, Site Force Vote Control, Site Force Fail Control, Site Transmit Steering and Repeat On/Off



Models

XPR-x550

Functions

Caller ID, Channel Change, Scan On/Off, Emergency, Individual Call, Group Call, Stun, Revive and Call Alert



Models

IC-Fx061

Functions

Caller ID, Channel Change and Emergency



Models

VMx00, VMx000

Functions

Caller ID, Channel Change, Scan On/Off and Emergency



Models

TK-x360, TK-x180, TK-5x10, TK-5x20, Tk-5x30, NX-x00, NX-3x20 NX-5x00

Functions

Caller ID, Channel Change, Scan On/Off, SelCall/Individual Call*, Group Call*, Stun*, Revive*, Status Message*, Status Query*, Remote Listen*, Emergency, Call Alert/Paging Call*, Encryption On/Off* and Over-The-Air-Alias*

*Functions dependent on model mode and capabilities



Models

MD782i, HM782

Functions

Caller ID, Channel Change, Scan On/Off, Emergency, Individual Call, Group Call, Stun, Revive and Call Alert and Remote Listen



Models

TM9x00

Functions

Caller ID, Channel Change, Scan On/Off, Emergency, Individual Call, Group Call, Stun, Revive, Call Alert, Status Message, Radio Check and Remote Listen

