

mindshare

by CSS



Mindshare Radio Interface 2 (MRI2)

750M-1001-000



Mindshare's commitment to innovation is reflected in the second generation control station endpoint gateway, the Mindshare Radio Interface 2 (MRI2). Building on the core functions of its predecessor, the MRI2 adds many new features that make it more powerful and robust. With the ability to support 2W4W tone remote control, E&M control, and RS232 serial control of select vendor products, the MRI2 bridges the gap between legacy and modern technologies. In addition to the donor radio interface functionality, the MRI2 now provides the ability to support a wireline interface to conventional radio systems. Its two form factors, a single standalone enclosure or multi-unit rack mountable, ensure versatility to meet a wide range of client needs. The MRI2's reliability and scalability for mission-critical operations make it the ideal choice for organizations in public safety, utilities, transportation, and education. Mindshare's dedication to continuous improvement and customer satisfaction is evident in the MRI2, making it a must-have for any modern dispatch console ecosystem.

Single stand-alone enclosure



Enhancements

- Power Over Ethernet (PoE)
- Dual Network Adapters
- Triple Redundant Power
- Power Isolation
- Jumper-less Hardware Configuration
- SD Card Storage
- Programmable GPIO
- Display
- USB Interfaces
- IP Interfaces
- High Availability
- Debian OS

Design • Build • Support • Maintain



Public Safety • Campuses • Utilities • Transportation

Serial Control



- Supported
- Not Supported
- TBD Not Tested
- NA Unavailable

Calling

Digital Group Voice Calls

Digital Unit Voice Calls

Encryption On/Off

Emergency Call Rx

Emergency Alarm Rx

Emergency Alarm Termination

PTT ID Display

Over The Air Alias

P25 Conventional						P25 Trunking						NXDN Trunking			NXDN Conventional				DMR Trunking				DMR Conventional			
KENWOOD NX-5x00	KENWOOD TK-5x10	KENWOOD TK-5x20	EFJ VMx000	ICOM F75xx	TAIT TM9400	KENWOOD NX-5x00	KENWOOD TK-5x10	KENWOOD TK-5x20	EFJ VMx000	ICOM F75xx	TAIT TM9400	KENWOOD NX-5x00	KENWOOD NX-3x20	ICOM Fx061	KENWOOD NX-5x00	KENWOOD NX-x10	KENWOOD NX-3x20	ICOM Fx061	MOTOROLA XPR-x550	HYTERA MD782i	TAIT TM9300	KENWOOD Nx-5x00	MOTOROLA XPR-x550	HYTERA MD782i	TAIT TM9300	KENWOOD NX-5x00
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	TBD	●	●	●	●	●	●	●
●	NA	NA	NA	NA	●	●	●	NA	NA	NA	●	●	●	●	●	●	●	●	TBD	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	NA	●	●	●	NA	●	●	●	●	●	●	NA	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	TBD	TBD	●	TBD	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	TBD	TBD	●	●	●	●	●	●
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	●	NA	NA	●	●	NA	NA	TBD	NA	NA	NA	●	NA	NA	NA
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	TBD	●	●	●	●	●	●	●
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	●	●	●	●	●	NA	NA	TBD	●	NA	TBD	NA	●	NA	●

Control

Channel Change

Scan On/Off

Squelch Control Digital(NAC/RAN/Color)

●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	TBD	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	TBD	TBD	NA	TBD	●	●	●	●
●	●	NA	NA	NA	●	●	●	NA	NA	NA	●	●	●	NA	●	●	●	●	NA	NA	NA	NA	NA	NA	NA	NA

Supplementary Services

Radio Check

Radio Stun/Inhibit

Radio Revive/Uninhibit

Remote Monitor Ambient Listen

Call Alert

Status Message

Status Query

NA	NA	NA	NA	●	●	NA	NA	NA	NA	NA	NA	●	●	●	NA	NA	NA	●	TBD	●	●	NA	●	●	●	NA
NA	NA	NA	NA	●	●	NA	NA	NA	NA	●	NA	●	●	●	●	●	●	●	TBD	●	NA	●	●	●	●	●
NA	NA	NA	NA	●	●	NA	NA	NA	NA	●	NA	●	●	●	●	●	●	●	TBD	●	●	●	●	●	●	●
NA	NA	NA	NA	●	●	●	NA	NA	NA	●	NA	●	●	●	●	●	●	●	TBD	●	●	●	●	●	●	●
NA	NA	NA	NA	●	●	NA	NA	NA	NA	●	●	●	●	●	●	●	●	●	TBD	●	●	●	●	●	●	●
●	●	NA	NA	●	●	●	●	NA	NA	●	●	●	●	●	●	●	●	●	TBD	TBD	●	●	●	●	●	●
NA	NA	NA	NA	●	●	●	TBD	NA	NA	●	NA	●	●	●	●	●	●	●	TBD	TBD	●	●	●	●	●	●

Data

Location Reports

●	NA	NA	NA	NA	●	●	NA	NA	NA	NA	●	●	●	NA	●	●	●	NA	TBD	●	●	●	●	●	●	●
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JPS Interoperability Solutions

Features:

Models: • SNV-12

- Site Voted/Failed status • Site Unsquelled status • Site Transmit • Selected Status • Site signal quality Status
- Site force Vote Control • Site Force Fail Control • Site Transmit Steering • Repeat On/Off

Conventional Wireline IP Interface



NEXEDGE®



	KENWOOD TKR-DX10 (KTI-5)	KENWOOD NXR-1X00	KENWOOD KAIR0S	KENWOOD TKR-X10 NXR-X00 NXR-5X00	KENWOOD NXR-1X00	ICOM/RFT ECLIPSE 2	TAIT TB7300 TB9400	CODAN MT-4E (Etherstack Simulcast)	EFJ ATLAS 1200
Calling									
Analog FM Voice Calls	●	●	●	NA	●	●	●	●	●
Digital Group Voice Calls	●	●	●	●	●	●	●	●	●
Digital Unit Voice Calls	●	●	●	●	●	●	●	●	●
Encrypted Calls	●	●	Partially	●	●	●	●	●	●
Emergency Call Rx	●	●	●	●	●	●	●	●	●
Emergency Alarm Rx	●	●	●	●	●	●	●	●	●
Emergency Alarm Termination	●	Partially	Partially	●	●	NA	NA	NA	NA
Console Call Priority (Interrupt/Preempt)	●	Partially	Partially	●	●	●	●	●	●
Digital Group Call Termination	●	●	●	NA	NA	NA	NA	NA	NA
PTT ID Display	●	●	●	●	●	●	●	●	●
Over The Air Alias	●	●	●	●	●	NA	NA	NA	NA

Control									
Channel Change	●	●	●	NA	●	●	●	●	●
Repeat On/Off	NA	Partially	NA	NA	●	●	●	●	●
Monitor On/Off	NA	●	NA	NA	●	●	●	●	●
Scan On/Off	NA	NA	NA	NA	NA	TBD	TBD	●	●
Encryption Key Selection	●	●	●	●	●	●	●	●	●
Squelch Control Digital (NAC/RAN/Color)	●	●	●	●	●	●	●	●	●
Squelch Control Analog (CTCSS/CDCSS)	NA	NA	NA	NA	NA	●	●	●	●
Voter Receiver Report	NA	NA	NA	NA	NA	●	●	●	●
Voter Receive Control	NA	NA	NA	NA	NA	●	●	●	●
Voter Transmitter Report	NA	NA	NA	NA	NA	●	●	●	●
Voter Transmitter Control	NA	NA	NA	NA	NA	●	●	●	●

Supplementary Services									
Radio Check	●	●	●	●	●	●	●	●	●
Radio Stun/Inhibit	●	●	●	●	●	●	●	●	●
Radio Revive/Uninhibit	●	●	●	●	●	●	●	●	●
Remote Monitor (Ambient Listen)	●	●	Partially	●	●	●	●	TBD	●
Call Alert	●	●	●	●	●	●	●	TBD	●
Status Message	●	●	●	●	●	●	●	TBD	●
Status Query	●	●	●	●	●	●	●	TBD	●

Data									
Text Messaging	●	●	●	●	●	●	●	●	●
Location Reports	Partially	Partially	Partially	●	●	●	●	●	●

MRI2 Accessories

Interface Cables (Only Compatible with MRI2 - Not compatible with MRI1)

750M-1001-INT1

TIER 1 Radio Interface Cable 10'

**Supports serial control of the following radio models:*

- Kenwood: NX5x00, TK5x20, TK5x10, NXx00, TKx180
- EFJohnson: VMx000

750M-1001-INT2

Tait Mobile Radio Interface Cable 10'

**Supports serial control of the following radio models:*

- Tait: TM9300, TM9400 (DB25-DB15)

750M-1001-INT3

Icom Mobile Radio Interface Cable 10'

**Supports serial control of the following radio models:*

- Icom F6061

750M-1001-INT4

Icom Mobile Radio Interface Cable 10'

**Supports serial control of the following radio models:*

- Icom F7520

750M-1001-INT5

Hytera Mobile Radio Interface UART to RS232 Adapter Cable 10'

**Supports serial control of the following radio models:*

- Hytera: MD78x, HM78x

750M-1001-INT6

Kenwood NX3000 Radio Interface Cable 10'

**Supports serial control of the NX3000 series.*

750M-1001-TRBO1

Motorola TRO Mobile Radio Interface Adapter

**Supports serial control of the following radio models:*

- Motorola: XPR4550, XPR5550

750M-1001-INT7

JPS SNV 12 Interface Cable 10'

**Supports serial control of the JPS SNV12 Voter.*

Additional Hardware

750M-1006-000

Tone Control / Analog Recorder Telco Panel – 8 Line

Specifications

Weight	1.2 lbs
Dimensions	1.7" H x 5.7" W x 6.1" D
Operating Temperatures	0 to 70 °C
Power Requirements	12 VDC to 48 VDC, 8 W max
Network	2 x RJ45 10/100/1000 Mbps Ethernet (PoE)

