MS-775 NETWORK INTERFACE
QUICK START GUIDE

AUDIO ENHANCEMENT+

Est. 1978

PoE+   RmtCtrl   Reboot/Factory Default   Discrete Outputs 3 and 4

USB Port   WPA-70x   Discrete Inputs 3 and 4   Speaker Out   Unit Status   GPIO Status
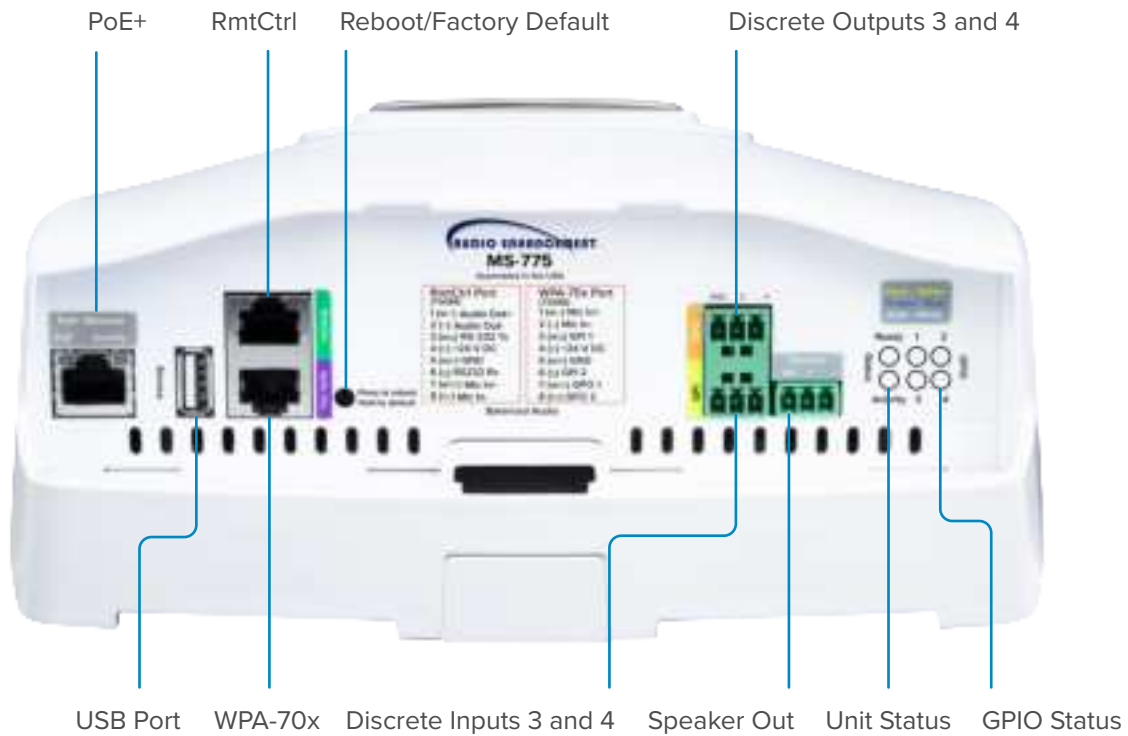
DESCRIPTION

The **MS-775 Network Interface for SAFE Alert Extender** is a fully integrated networked paging interface, ideal for delivering audio in small rooms. It supports network-based intercom, paging, and emergency notification, with an intuitive, easy-to-install design. Powered by Power over Ethernet+ (PoE+), it enables full-duplex SIP communication, and when connected to an Uninterruptible Power Supply (UPS), it ensures paging remains operational during power outages or emergencies. The MS-775 can be integrated into the EPIC (Education Paging & Intercom Communications) System®, the SAFE (Signal Alert For Education) System®, or other compatible building systems. Unlike the MS-720, which focuses on standard intercom and paging functions, the MS-775 also supports non-paired alerts from the XD Teacher Microphone and XD Alert Badge, enhancing its effectiveness for emergency communication.

FUNCTIONAL SUMMARY

GENERAL PURPOSE I/O

- (4) Discrete Inputs

- (4) Discrete Outputs

SERIAL COMMUNICATION

- (1) RS-232 Connection

AUDIO

- (1) Balanced Audio Out

- (1) Amplified Speaker Audio Out

- (1) Mic Audio In

REMOTE POWER

- (2) 24 V Out

POWER

- PoE+

INTERFACES

REMOTE PORT (RMTCTRL)

- Audio Out (Balanced)

- RS-232

- 24 V DC

- (1) Mic In (Balanced)

WALL PLATE AUDIO (WPA) PORT

- Connects to the ITC2

IO OUTPUT PORT

- Output 3

- Output 4

IO INPUT PORT

- Input 3

- Input 4

USB PORT (FOR SERVICE ONLY)

RESET BUTTON

LEDS

Ready

- Green - Powered on

- Red - Booting

Activity

- Off - No active event

- Red - Active event

GPIO (General Purpose I/O)

- Yellow - Input active

- Blue - Output active

- White - Input & output active

SPEAKER CONNECTION

- Speaker Out

ETHERNET

- PoE+ Port

PROCESS

1. Physically install components in the room, such as speakers and/or AV Touch Wall Control.

2. Confirm dongle is connected to USB port.

3. Turn the amplifier on by connecting to PoE+.

4. Start EPIC System, update the firmware, and continue the setup using the EPIC System software.
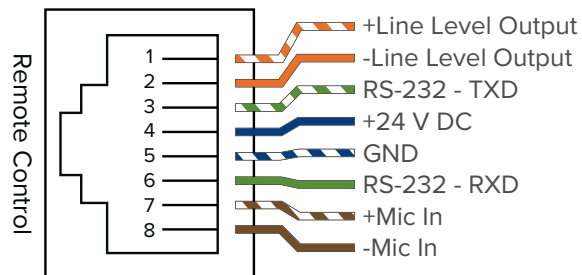
CONFIGURATION SET UP IN EPIC SYSTEM

Follow the instructions in the EPIC System Admin Manual - Managing Devices.
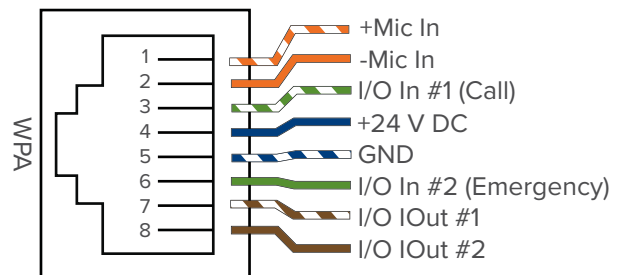
Click or Scan QR code to access.

CONNECTOR DETAILS

RMTCTRL PORT

Remote Control

Pin	Signal
1	+Line Level Output
2	-Line Level Output
3	RS-232 - TXD
4	+24 V DC
5	GND
6	RS-232 - RXD
7	+Mic In
8	-Mic In

WALL PLATE AUDIO

WPA

Pin	Signal
1	+Mic In
2	-Mic In
3	I/O In #1 (Call)
4	+24 V DC
5	GND
6	I/O In #2 (Emergency)
7	I/O IOut #1
8	I/O IOut #2

TROUBLESHOOTING

REBOOT

Press and hold the *Reboot* button for 5 seconds.

FACTORY RESET PROCEDURE

Press and hold the *Factory Reset* button until the Activity Indicator flashes green (10 seconds) and then release.

RESCUE MODE

Press and hold the *Reboot* button until the Activity Indicator illuminates red (15 seconds) and then release. Or disconnect PoE+ power, press and hold the *Reboot* button while applying PoE+ power.

NO AUDIO

If there is no audio going through the speakers (bells, paging, intercom) check the audio output to see if there is any audio passing through there. This can be done by connecting a pair of wired headphones to the audio out of the MS-775 and playing audio through the MS-775. If you hear audio through the headphones, it is most likely not a problem with the MS-775, and related to the speakers or speaker wiring.

AUDIO ENHANCEMENT +