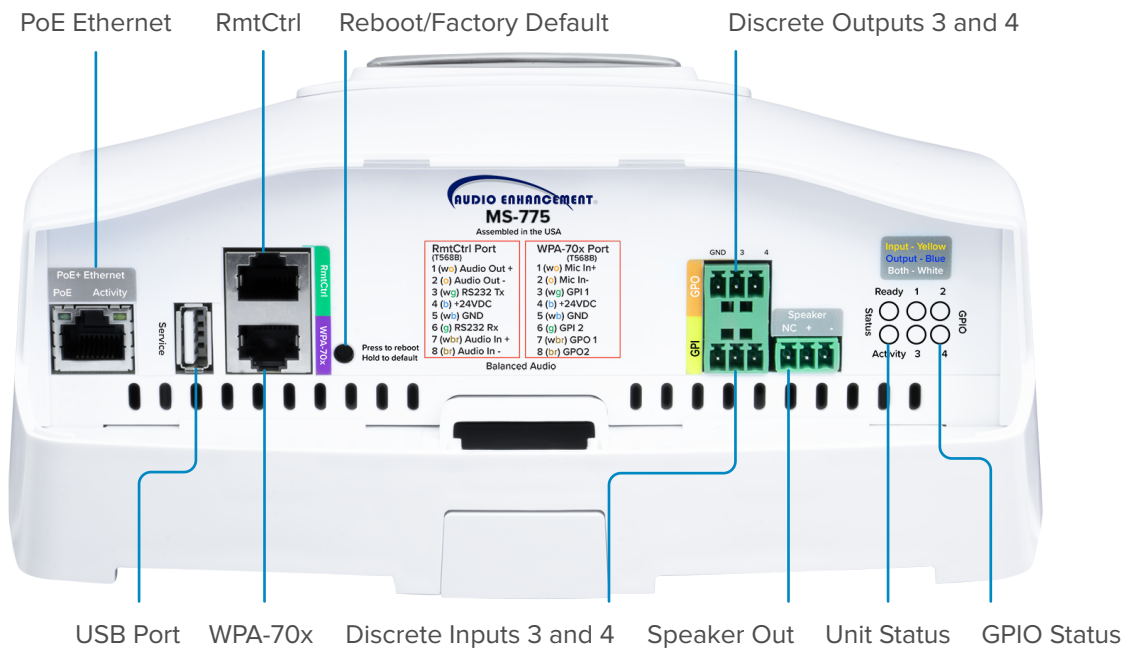


MS-775 NETWORK INTERFACE QUICK START GUIDE



DESCRIPTION

The **MS-775 Network Interface for SAFE Alert Extender** is a fully integrated networked classroom amplifier and wireless microphone receiver, perfect for audio in small rooms. This amplifier has network-based intercom, paging and emergency notification. It is easy-to-use, easy-to-install, and features an intuitive user interface. The entire unit utilizes Power over Ethernet (PoE+) and supports full duplex SIP communications. When used in conjunction with an Uninterruptable Power Supply (UPS), paging can still be heard during power outages and emergencies. This unit can be installed as part of the EPIC (Education & Paging Intercom Communications) System®, SAFE (Signal Alert For Education) System®, or integrated with other building systems.

FUNCTIONAL SUMMARY

GENERAL PURPOSE I/O

- (4) Discrete Inputs
- (4) Discrete Outputs

SERIAL COMMUNICATION

- (1) RS232 Connection

AUDIO

- (1) Balanced Audio In
- (1) Balanced Audio Out
- (1) Amplified Speaker Audio Out

REMOTE POWER

- (2) 24 V Out

POWER

- PoE Ethernet

INTERFACES

REMOTE PORT (RMTCTRL)

- Audio Out (Balanced)
- Audio In (Balanced)
- RS232
- 24 V DC

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

ETHERNET

- PoE Ethernet

LEDS

Front LEDS

- Power - Green when powered on
- Link - Blinking yellow when linking
- Microphone 1 Status - Green when connected to mic
- Microphone 2 Status - Green when connected to mic

Ready

- Red while booting and getting an IP address
- Green when operational and connected to an ethernet port

Activity

- Red while an event is active

GPIO

- Blue when the output is closed
- Yellow when the input is closed
- White when both input and output are closed

SPEAKER CONNECTION

- Speaker Out

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 Power.
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.



XD TEACHER MICROPHONE VOLUME CONTROL

1. Press *SELECT* to choose the desired source to control. An LED will illuminate to indicate the selected source. *OWN* will control the level of the microphone currently in use. *CH3* will control the other microphone if a second microphone has been linked.
2. Press the *Up* or *Down* arrows on the XD Teacher Microphone to adjust the volume accordingly.

XD TEACHER MICROPHONE LINKING

1. With the microphone off, press the *Link* button on the front of the amplifier (Look for the blinking yellow LED).



2. With the microphone off, press and hold *REC* button. Then promptly press and hold *PWR* until microphone is linked.



3. Successful microphone linking will produce a *beep* through the system, and on the front of the amplifier you will see an additional green LED.



XD STUDENT MICROPHONE LINKING

1. With the microphone off, press the *Link* button on the front of the amplifier. (Look for the blinking yellow LED)



2. Press and hold the *PWR LINK* button on the back of the XD Student Microphone.



3. While holding the *PWR LINK* button, use your thumb to slide the *TALK* button up into the *On* position. Successful linking will produce an audible beep as well as an additional green LED.



LINKING THE MEDIA CHANNEL

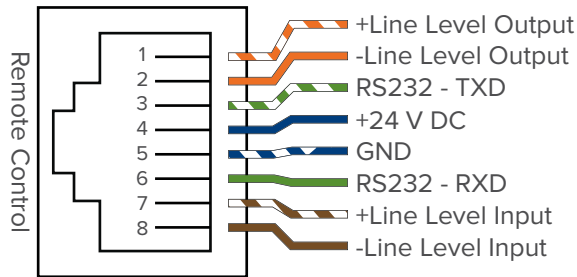
1. The microphone cannot be linked to the Media channel unless *MIC 1* and *MIC 2* channels are on.
2. Make sure the microphone needing to be linked, either the Teacher or Student, is turned off.
3. Confirm that both *Channel 1* and *Channel 2* mics are on and connected to the amplifier.
4. Follow XD Teacher or XD Student Microphone Linking section instructions.
5. After 10 seconds you should hear a beep and the amplifier *LINK* LED will be solid yellow.

CHARGING YOUR XD MICROPHONE

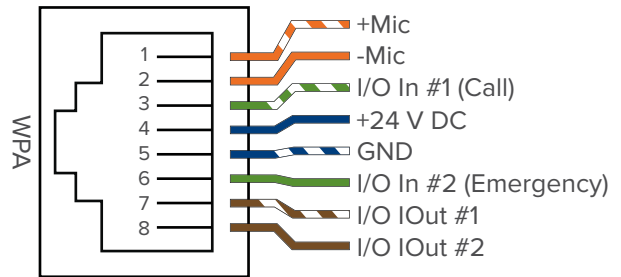
1. Charge the microphone at the end of each day.
2. Connect the USB-C plug of the charger to the DC input terminal of the microphone. After connecting the microphone to the charger, the charging indicator light will turn red, indicating charging status.
3. When the charge indicator stops blinking, the microphone is fully charged. If the charge indicator begins blinking rapidly, check the connection of the USB-C charging cable.

CONNECTOR DETAILS

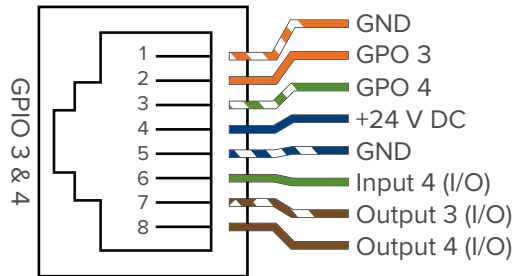
RMTCTRL PORT



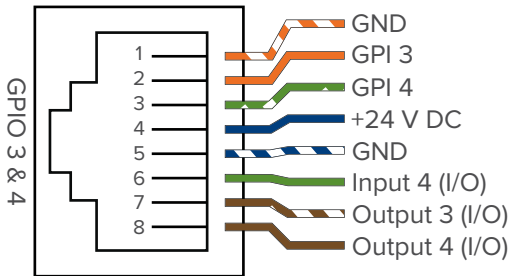
WALL PLATE AUDIO



GPO - GENERAL PURPOSE OUTPUT



GPI - GENERAL PURPOSE INPUT



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.

SIP NOT CONNECTED

Verify that the SIP settings are correct on the device. Try pushing *Settings* from the *Configure* tab on EPIC System again. Pushing *Settings* from the *Devices List* does not push SIP settings.

NO AUDIO

If there is no audio going through the speakers (bells, paging, intercom, teacher mic) 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.