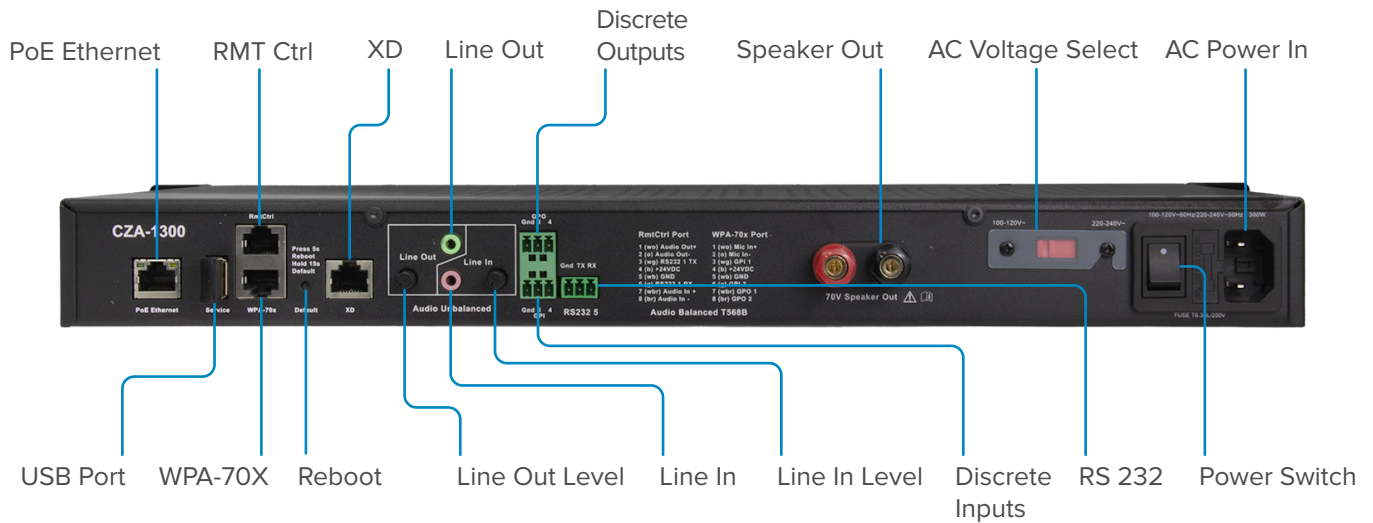
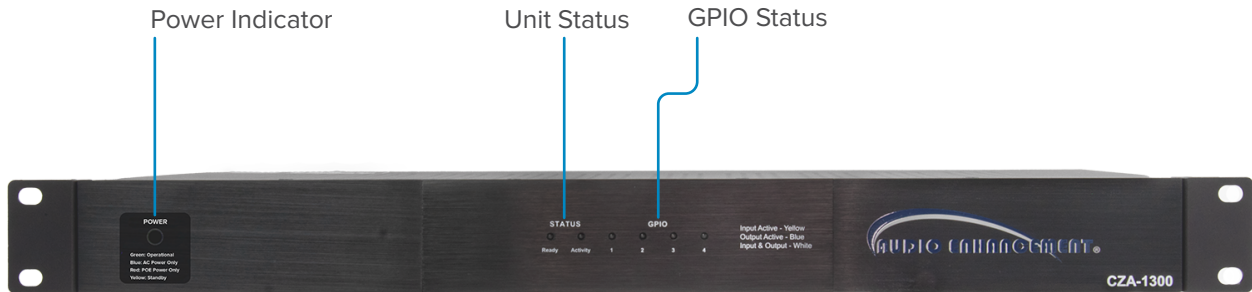


# CZA-1300 AMPLIFIER

## QUICK START GUIDE



# FUNCTIONS

The CZA-1300 Amplifier is a fully integrated 70V amplifier designed to integrate seamlessly with the EPIC (Education Paging & Intercom Communications) System<sup>®</sup> platform and provide audio in large areas like cafeterias, gymnasiums and hallways. This is a network connected amplifier which facilitates paging and emergency notifications as part of the EPIC System. It is easy-to-use, easy-to-install, and has a simple user interface. When used in conjunction with an Uninterruptible Power Supply (UPS), during emergencies, paging can still be heard. This unit can be installed as part of the SAFE (Signal Alert For Education) System<sup>®</sup>. It can also be connected to an XD Receiver and used as an intercom for full duplex audio.

## GENERAL PURPOSE IO

- (4) discrete inputs
- (4) discrete outputs

## SERIAL COMMUNICATION

- (2) RS232 Connections

## AUDIO

- (1) Unbalanced Audio In with level adjustment
- (3) Balanced Audio In (Remote Port and WPA Port)
- (1) Unbalanced Audio Out with level adjustment
- (1) Balanced Audio Out (Remote Port)
- (1) Amplified 70V Speaker Audio Out (Minimum Impedance load 16  $\Omega$ )

## REMOTE POWER

- (3) 24V Out (Remote port, WPA Port and XD Port)

## POWER

- PoE Ethernet – Used to drive electronics other than the Amplifier (PoE 802.11 af)
- AC Power In – Used to power the Amplifier

# INTERFACES

## REMOTE PORTS (RMTCTRL)

- (1) port
- Audio Out (Balanced)
- Audio In (Balanced)
- RS232
- 24VDC

## WALL PLATE AUDIO (WPA) PORT

- Connects to the WPA
  - Input 1
  - Input 2
  - Output 1
  - Output 2

## IO OUTPUT PORT

- Output 3
- Output 4

## IO INPUT PORT

- Input 3
- Input 4

## XD

- Connects to an XD Receiver

## USB PORT (FOR SERVICE ONLY)

## LEDS

### Power LED:

- Green when operational
- Yellow in Standby
- Red POE power only (power cord not connected or physical power switch on rear panel is turned off)
- Blue AC power only
- Off if no power

### Status LED:

#### Ready

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

#### Activity

- Red while event is active

#### GPIO

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

### 3.5MM AUDIO

- Line In (Unbalanced)
- Line Out (Unbalanced)

### SPEAKER CONNECTION

- 70V Speaker Out

### ETHERNET

- PoE Ethernet

### POWER

- Reset Button
- AC Input Power Select
- AC Power Switch

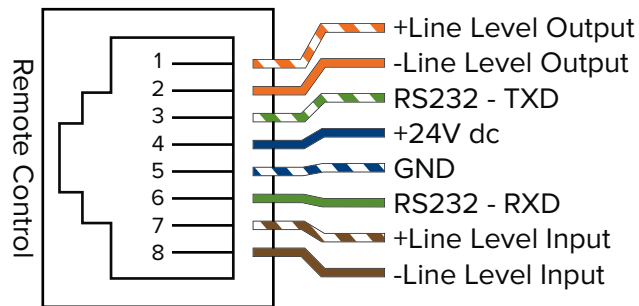
## PROCESS

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. Verify Input power is selected correctly. In the US, set to 100V – 120V.
4. Turn the Amplifier on by toggling the power switch.
5. Start EPIC System, update the firmware, and continue the setup up using the EPIC System software.

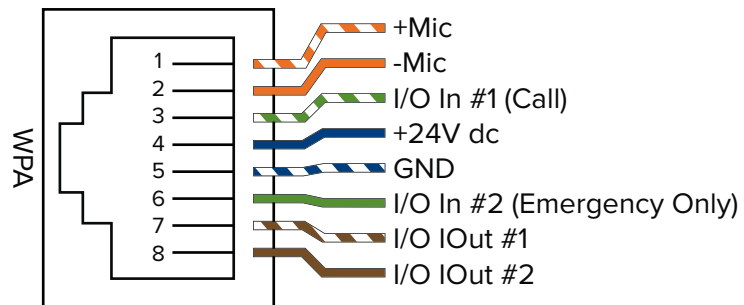
[EPIC-System-Quick-Start-Guides-Print-Combined-Version-1.5-Print.pdf \(audioenhancement.com\)](#)

# CONNECTOR DETAILS

## RMTCTRL PORT



## WALL PLATE AUDIO



## GPO – GENERAL PURPOSE OUTPUT

- Pin 1 – GND
- Pin 2 – GPO 3
- Pin 3 – GPO 4

## **GPI – GENERAL PURPOSE INPUT**

- Pin 1 – GND
- Pin 2 – GPI 3
- Pin 3 – GPI 4

## **RS232**

- Pin 1 – GND
- Pin 2 – TX
- Pin 3 - RX

# **CONFIGURING**

- 1.** Start EPIC System.
- 2.** Update the firmware.
- 3.** Continue Setup using the EPIC System Software.

# TROUBLE SHOOTING

## REBOOT

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

## FACTORY RESET PROCEDURE

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

## RESCUE MODE

Press and hold 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 CZA-1300 and playing audio through the CZA-1300. If you hear audio through the headphones, it is most likely not a problem with the CZA-1300 and related to the speakers or speaker wiring.

Please check to see that *AC Power* is applied and the *AC Power Switch* is activated. There is also a fuse accessible through the AC connector that should be checked.