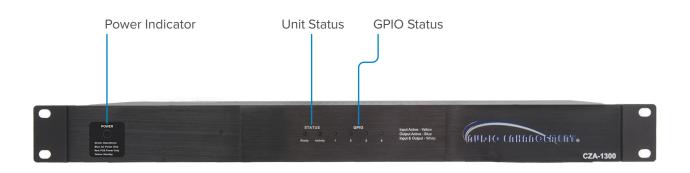
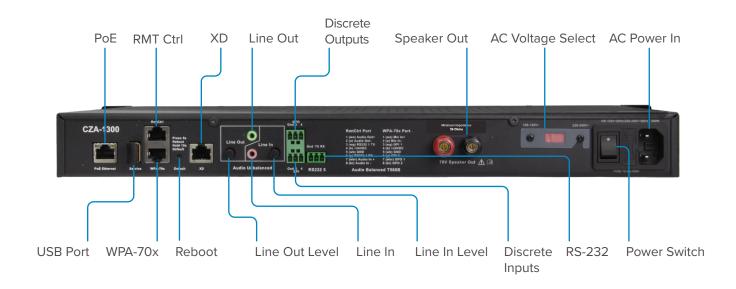
CZA-1300 AMPLIFIER QUICK START GUIDE







FUNCTIONS

The CZA-1300 Amplifier is a fully integrated 70 V amplifier designed to integrate seamlessly with the EPIC (Education Paging & Intercom Communications) System® 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), paging will remain operational during emergencies. This unit can be installed as part of the SAFE (Signal Alert For Education) System®. 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) RS-232 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 70 V Speaker Audio Out (Minimum Impedance load 19 Ω)

REMOTE POWER

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

POWER

- Power over Ethernet (PoE) Port Used to drive electronics other than the amplifier (PoE 802.3af)
- AC Power In Used to power the amplifier

INTERFACES

REMOTE PORTS (RMTCTRL)

- Audio Out (Balanced)
- Audio In (Balanced)
- RS-232
- 24 V DC

WALL PLATE AUDIO (WPA) PORT

- Connects to the WPA
 - o Input 1
 - o Input 2
 - Output 1
 - o 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 Operational
- Yellow Standby
- Red PoE Power Only (power cord not connected or physical power switch on rear panel is turned off)
- Blue AC Power Only
- Off No Power

Status LED:

Ready

- Red Booting and getting an IP address
- Green Connected To An Ethernet Port And Operational

Activity

Red – Event Is Active

GPIO

- Blue Output Is Closed
- Yellow Input Is Closed
- White Both Input And Output Are Closed

3.5 MM AUDIO

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

SPEAKER CONNECTION

70 V Speaker Out

ETHERNET

Ethernet

POWER

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

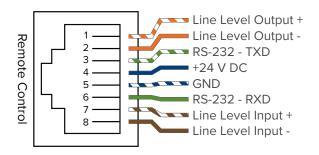
PROCESS

- **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 100 V 120 V.
- **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.

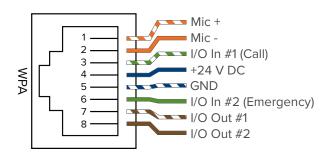
EPIC System setup information can be found at AudioEnhancement.com/Downloads, or by clicking the following link: EPIC 2.5 Admin Manual

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

RS-232

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

CONFIGURATION

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

TROUBLESHOOTING

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 SIP 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 microphone), 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* port of the CZA-1300 and playing audio through the amplifier. 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 that the AC Power Switch is activated. There is also a fuse accessible through the AC Power In connector that should be checked.

