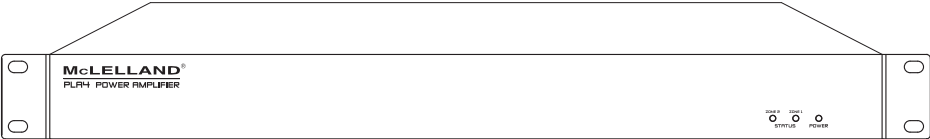


McLELLAND®

PLA4 | POWER AMPLIFIER



DEAR CUSTOMER

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

WARNING

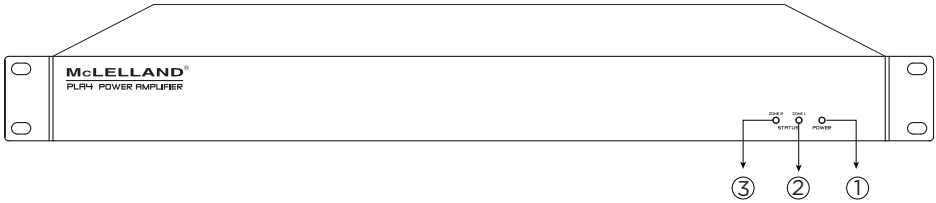
1. Do not expose this unit to water, moisture, or excessive humidity.
2. Do not install or place this unit in a built-in cabinet, or other confined space without adequate ventilation.
3. To prevent risk of electrical shock or fire hazard, due to overheating do not obstruct unit's ventilation openings.
4. Do not install near any source of heat, including other units that may produce heat.
5. Do not place unit near flames.
6. Only clean unit with a dry cloth.
7. Unplug unit during lightening storms or when not used for an extended period of time. A surge protector is strongly recommended.
8. Protect the power cord from being walked on or pinched, particularly at the plugs.
9. Use unit only with accessories specified by the manufacturer.
10. Refer all servicing to qualified personnel.

CAUTION

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



FRONT PANEL FEATURES

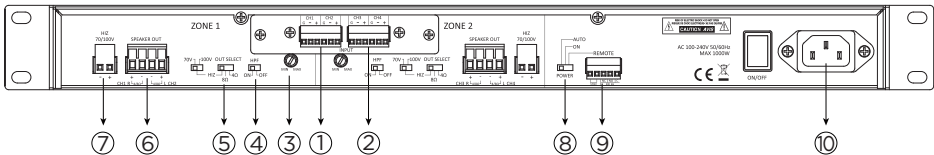


POWER STATUS

1. **Power LED:** When AC power applies to this amplifier, this LED will light up.
2. **Zone1 LED:** Status LED for Zone 1.
No light: In standby mode
Green: In operation mode
Red: In protection mode

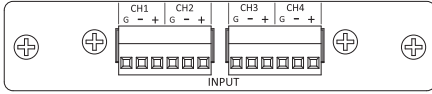
3. **Zone2 LED:** Status LED for Zone 2.
No light: In standby mode
Green: In operation mode
Red: In protection mode

REAR PANEL FEATURES

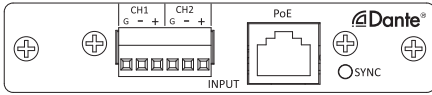


1. **LINE IN (Zone1):** CH1/CH2 inputs , 6 pin Euro terminal.
2. **LINE IN (Zone2):** CH3/CH4 inputs , 6 pin Euro terminal.
3. **LEVEL:** Adjust the level of output.
4. **HPL:** High Pass Filter (80Hz)
5. **OUTPUT SELECT:** 4Ohm/8Ohm and HIZ for 70V/100V.
6. **SPEKAER:** Connect with 4 Ohm or 8 Ohm speakers.
7. **HIZ 70V/100V:** Connect with Constant-Voltage speakers directly.
8. **ON:** The unit always Power ON, and will not go to Standby mode.
9. **AUTO:** Audio sensing. The unit goes to Standby mode after 15 minutes of no signal sensing.
10. **REMOTE:** Provides remote control of the standby mode of the amplifier
11. **STBY(Standby)/Relay**
Please read the detail of instruction in next page.
12. **AC INPUT**

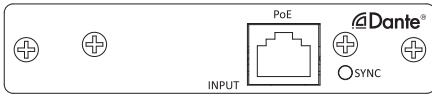
NOTE:



* **PLA4Li:** Four Analog Line input channels



* **PLA4DL:** Two input channels from Dante network
Two Analog Line input channels



* **PLA4Di:** Four input channels from Dante network

* For PLA4Di/PLA4DL, simply use Cat5 cable to connect the RJ45 port to an Ethernet switch, and using "Dante controller" to receive the low latency of signal from other devices which already connected

* Dante Controller PLA4Di/PLA4DL come with Dante interface and compatible with the software "Dante Controller". The software "Dante Controller" is free to download from the company of Audinate (the owner of Dante technology). To install the software on the computer, please visit the link:

<https://www.audinate.com/products/software/dante-controller>

And the "User Guide" of "Dante Controller" is available on the Audinate websit:

<https://www.audinate.com/resources/technical-documentation>

on the same Dante network. The Ethernet switch need to have **PoE(Power Over Ethernet)** enabled.

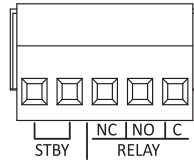
* For PLA4Di/PLA4DL Dante Interface receiver, connecting with Dante network switch.

The network LED will illuminate yellow when the unit is connected to the Dante network.

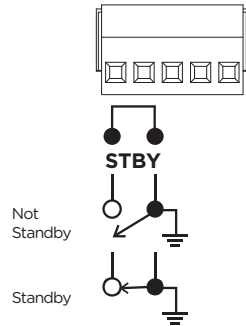
The network LED will illuminate green /blink when the unit has an IP address and is communicating to the Dante network.

* **Note:** In AUTO mode, when receiving the signal from Dante network, the amplifier will be triggered ON.

STBY(STANDBY)/RELAY



* Standby - attach a switch to the two STBY pins. When the switch is open, the amplifier is not in standby. When the switch is closed, the amplifiers in standby.



* Relay Contact -Provides indication of standby status of the amplifier When the amplifier is operating normally, the relay is energized. When the amplifier is in a non-operating mode (In standby mode), the relay is not energized.

-NO = Relay "normally open" terminal

-C = Relay "common" terminal

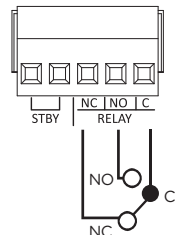
-NC = Relay "normally closed" terminal

Amplifier Standby/Protection/Off = Relay NOT

Energized, C & NC terminals connected

Amplifier Operating = Relay Energized, C & NO

terminals connected



FEATURE

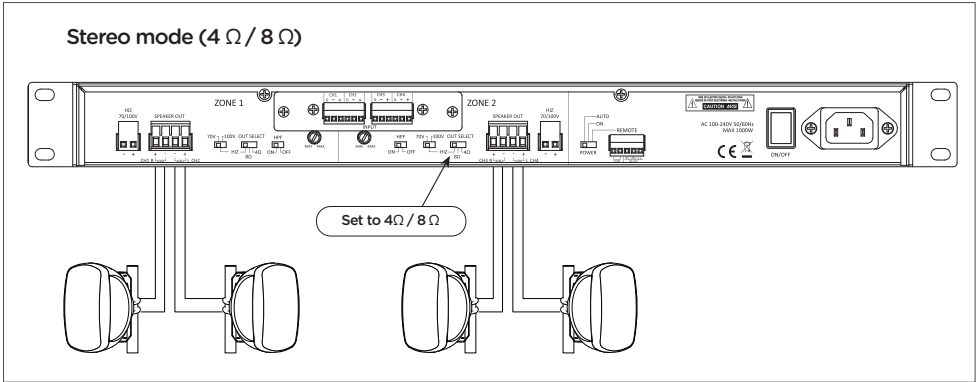
- * Four Channels Model – 150W RMS per channel.
- * Stereo into 4-8 Ohm loads.
- * Bridged mode 300W output for 70V or 100V per zone (Direct Drive)
- * Power down after ~15 minutes of no signal and comply with Energy Star Power consumption limits of < 0.5W in standby.
- * LED (Front Panel) to indicate the operation mode.
- * Terminal Block analog audio inputs.
- * Selection for Power-Up mode.
- * Switch for High Pass Filter.
- * Amplifier remotely standby control and status output.
- * Silence fan with high efficient.
- * Short circuit protection.
- * Overheating protection.

TECHNICAL SPECIFICATIONS

Stereo Mode (all channels driven) 150W x 2, 8Ω (31 V) RMS output (steady state), per channel @ < 1% THD+N 150W x 2, 4Ω (22 V) RMS output (steady state), per channel @ < 1% THD+N	
Bridged Outputs (per bridged output pair) 300W, 70V @ < 1% THD+N 300W, 100V @ < 1% THD+N (1/8 Rated Power Run Time: continuous operation)	
Frequency Response 20 Hz - 20 kHz, +/- 2 dB @ 4Ω Load	Input Connector 6 pin Euro terminal x 2
Signal to Noise >90dB @ 1W(20 Hz - 20 kHz)	Remote Connectors 5 pin Euro terminal x 1
Input Sensitivity 1.23 V (+4 dBu)	Output Connectors 4 pin Euro terminal (4Ω/8Ω) 2 pin Euro terminal (70V/100V)
Gain Value 25 dB @ 8Ω	Dimensions 434mm(W) x 44mm(H) x 237mm(D)
Input Impedance >10k, Balanced or Unbalanced	Net Weight 3.12 Kg
Maximum Input Level 12.3 V (+24 dBu)	Power Requirements 100 - 240 VAC, 50 - 60 Hz, 1000W
High Pass Filter 80 Hz	

CONNECTION DIAGRAM

Stereo mode (4 Ω / 8 Ω)



Bridged mode (HIZ 70V / 100V)

