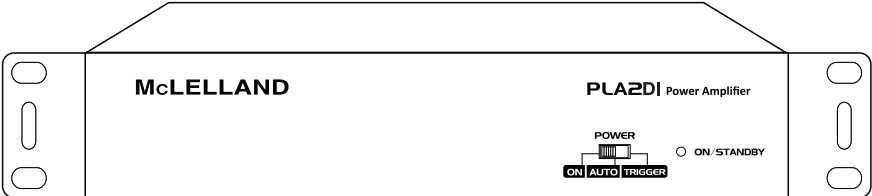


McLELLAND®

PLA2DI | 240W 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

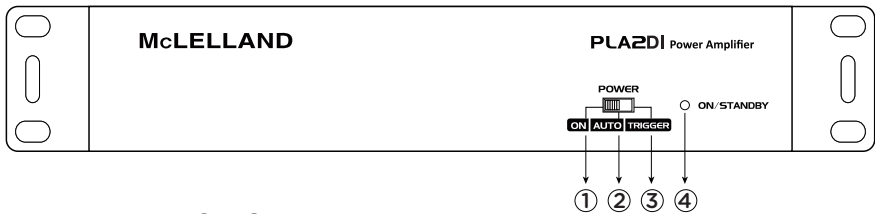
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



FEATURE

- * Two Channels Model - 120W RMS/Per Channel
- * Slot card for Dante interface receiver (DSC02).
- * Stereo into 4-8 Ohm loads.
- * Bridged mode 240W output for 70V or 100V (Direct Drive)
- * Power down after ~15 minutes of no signal and comply with Energy Star Power consumption limits of < 0.5W in standby.
- * RED LED (Front Panel) to indicated Standby mode is active.
- * Terminal Block analog audio inputs.
- * Selection for Power-Up mode.
- * Switch for High Pass Filter.
- * Natural cooling without Fan.
- * TRIGGER could be external remoting ON/OFF.
- * Short circuit protection.
- * Overheating protection.
- * Optional accessory card slot for Dante Receiver.

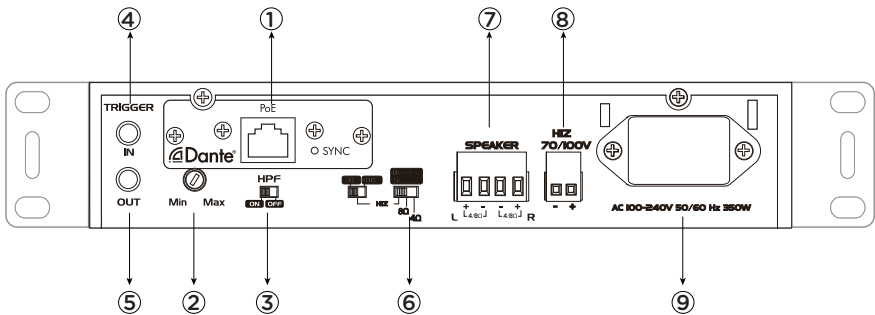
FRONT PANEL FEATURES



Power On Selection

1. **ON** : The unit always Power ON, and will not go to Standby mode.
2. **AUTO** : The unit goes to Standby mode after 15 minutes of no signal sensing.
3. **TRIGGER** : The unit only power on by providing 12VDC at Trigger In(Rear Panel).
4. **LED** : GREEN indicates Power On. RED indicates Standby mode.

REAR PANEL FEATURES



1. INPUT: DSC02 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: Dante receiver will need the power from the switch with PoE function..

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

2. LEVEL : Adjust the level of output.

3. HPF: High Pass Filter (80Hz)

4. TRIGGER IN : Apply 12VDC to this connector to active the unit.

5. TRIGGER OUT : Provide 12VDC to trigger another device.

6. OUTPUT SELECT SWITCH :
4Ohm/8Ohm and HIZ for 70V/100V.

7. SPEAKER : Connect with 4 Ohm or 8 Ohm speakers.

8. 70V/100V: Connect with Constant-Voltage speakers directly.

9. AC INPUT

TECHNICAL SPECIFICATIONS

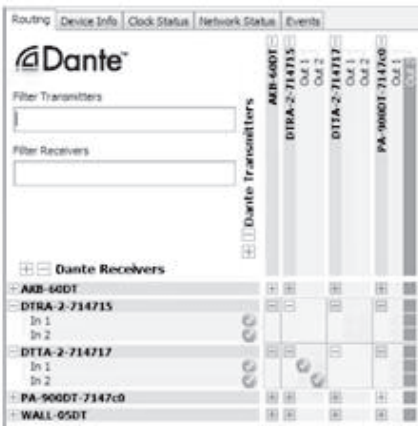
Stereo Mode (all channels driven) 120W x 2, 8 Ω (31 V) RMS output (steady state), per channel @ < 1 % THD+N 120W x 2, 4 Ω (22 V) RMS output (steady state), per channel @ < 1 % THD+N	
Bridged Outputs For 70V/100V (Switch at "HIZ" position) 240W, 70V @ < 1 % THD+N 240W, 100V @ < 1 % THD+N	
Frequency Response 20 Hz - 20 kHz, +/- 2 dB @ 4 Ω Load	High Pass Filter 80 Hz(\pm 2dB)
Signal to Noise >90dB @ 1W(20 Hz - 20 kHz)	Input Connector 5 pin Euro terminal
Input Sensitivity 1.0V (+2.2dBu) @ Max Output 4 Ω	Trigger Connectors 3.5 mm Jacks
Gain Value 25 dB @ 4 Ω	Output Connectors 4 pin Euro terminal (4 Ω /8 Ω) 2 pin Euro terminal (70V/100V)
Input Impedance >10k, Balanced.	Dimensions 214mm(W) x 249.8mm(D) x 44mm(H)
Maximum Input Level 12.3 V (+24 dBu)	Net Weight 1.94 Kg
Trigger In/Out DC 12V	Power Requirements 100 - 240 VAC, 50 - 60 Hz, 350W

DANTE AUDIO INTERFACE

- 2x2 audio channels
- I2S digital audio format
- 16, 24 or 32-bit audio samples (per device or per channel)
- 44.1 KHz, 48KHz, 88.2KHz and 96KHz sample rates
- Power supply: PoE, 52V 36 mA

DANTE CONTROLLER

PLA2Di is built in 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 website:

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

NETWORK INTERFACE

- Standard 100Mbps Ethernet
- RMII Ethernet interface with MDIO
- Hardware time-stamping, supporting sample-accurate playback
- Transmit flows: 2 (unicast or multicast)
- Receive flows: 2 (unicast or multicast)
- Latency from 2ms

The tables below list the minimum system specifications for the computer to use Dante Controller :

Component Minimum Requirement

Processor GHz or better

Memory 512 Mbytes RAM

Network Standard Ethernet network interface (100Mbps or Gigabit) or wireless LAN (Wi-Fi) interface

Operating System

Windows 7 (SP1 and above), 8.1 and 10

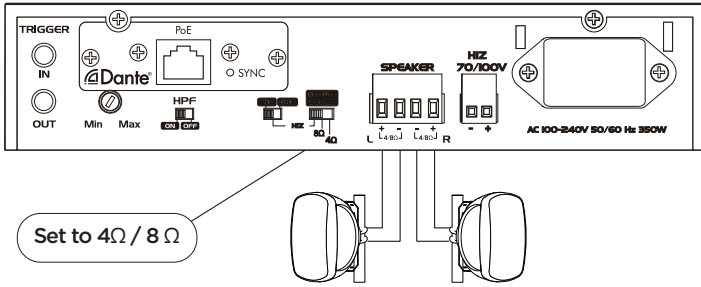
NOTE: Both UTF-8 and Unicode are supported EXCEPT for host or device names; the DNS standard does not support Unicode for these

Mac OS X 10.11.6, 10.12.6 and 10.13

NOTE: Intel architecture only; PPC architecture is not supported

CONNECTION DIAGRAM

Stereo mode ($4\ \Omega / 8\ \Omega$)



Bridged mode (HIZ 70V / 100V)

