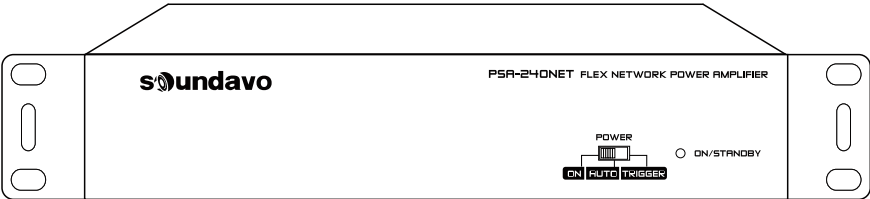




PSA-240NET

FLEXIBLE 2 X 120W
NETWORK 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.

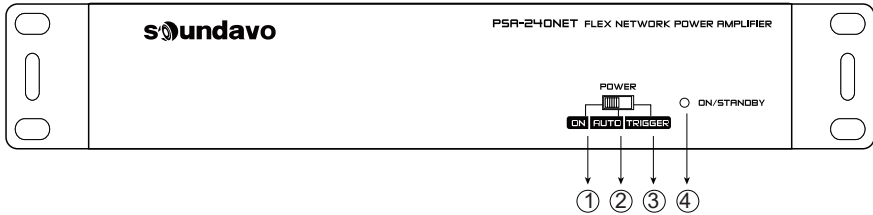


CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN



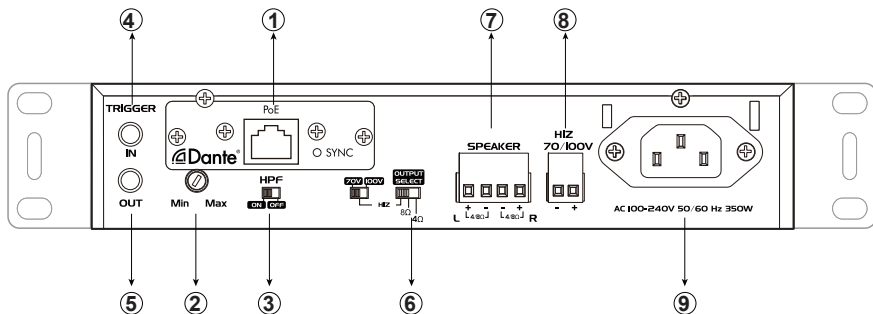
FRONT PANEL FEATURES



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. DANTE AUDIO INPUT (Receiver Module Model: DSC02): Using Cat5 cable connect to Dante network (The Ethernet switch needs to have PoE power supply).
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 : 40hm/80hm 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

FEATURE

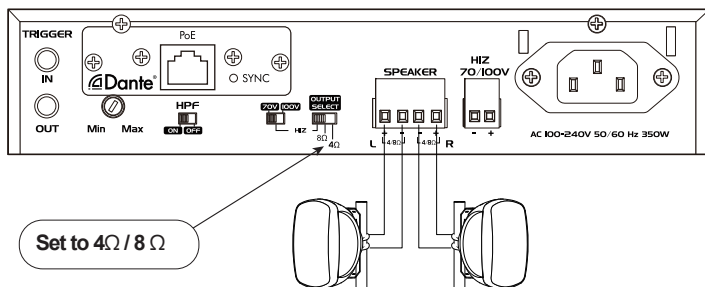
- * Two Channels Model – 120W RMS/Per Channel
 - * Stereo into 4-8 Ohm loads.
 - * Bridged mode 240W output for 70V or 100V (Direct Drive)
 - * Power down after ~15 minutes of no signal and com ply with Energy Star Power consumption limits of < 0.5W in standby.
 - * RED LED (Front Panel) to indicated 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.

TECHNICAL SPECIFICATIONS

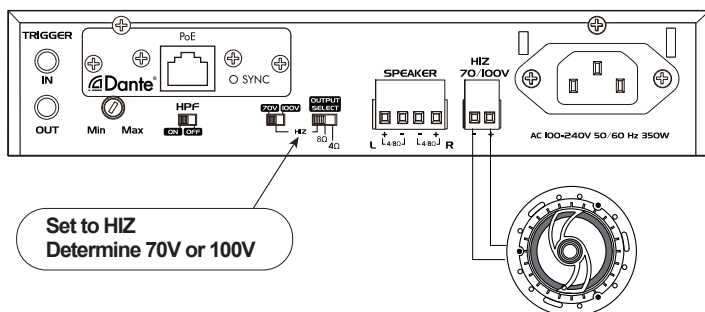
Stereo Mode (all channels driven) 120W x 2, 8 Ω (31 V) RMS output (steady state), per channel @ < 1 % THD+N 120W x 2, 4 Ω (22 V) RMS output (steady state), per channel @ < 1 % THD+N	
Bridged Outputs For 70V/100V (Switch at “HIZ” position) 240W, 70V @ < 1 % THD+N 240W, 100V @ < 1 % THD+N	
Frequency Response 20 Hz - 20 kHz, +/- 2 dB @ 4Ω Load	High Pass Filter 80 Hz(±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

CONNECTION DIAGRAM

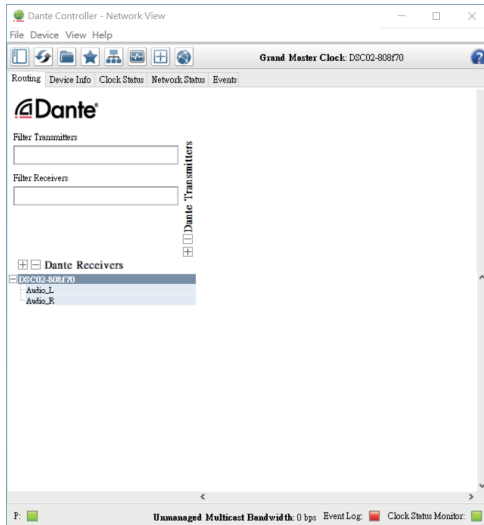
Stereo mode ($4\ \Omega$ / $8\ \Omega$)



Bridged mode (HIZ 70V / 100V)



DANTE CONTROLLER



CSA-240NET amplifier's RJ-45 connector is provided on Dante network audio interface (default device named DSC02), connect this port to your audio transport network switch or router.

Connect a Cat5e/6 cable between this RJ-45 jack and a PoE+ port (30W port power) on the 100/1000BaseT network switch

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>

Once Dante Controller has been installed following the instructions in the Dante Controller Software User Manual

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

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

Once connected, Dante Controller begins auto-discovery of all Dante devices.

While scanning the network, it also advertises itself to allow Dante-enabled devices to see and communicate with it. When the network scan is complete, the Dante Controller - Network View screen is displayed

The major elements of the Network View screen include:

- Receivers, representing Dante device inputs, are on the left side running vertically down the screen
- Transmitters, representing Dante device outputs, are along the top running horizontally across the screen
- Connection points of the receivers and transmitters form a matrix in the lower-right panel of the screen

The default device name of the PSA-240NET consists of its model name DSC02, followed by the last six digits of its MAC address (for example, DSC02 - 808f70). Multiple devices on the same network can present difficulty identifying inputs and outputs. To avoid confusion, rename each device to a unique identifier immediately after you connect it.

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

Component	Minimum Requirement
Processor	1 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