

Networked Power Amplifier with Dante

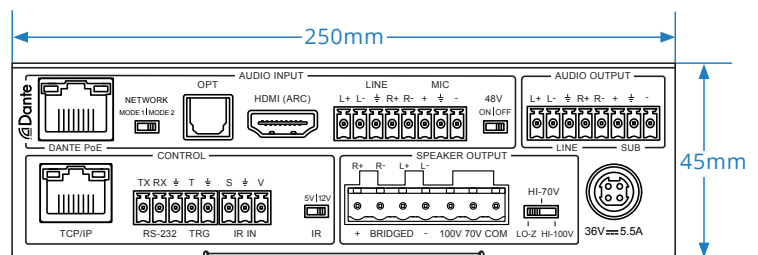
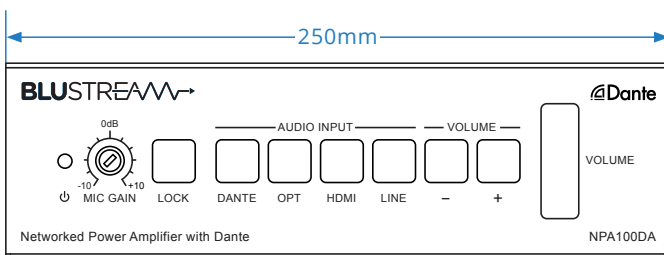
Description

Our NPA100DA networked audio zone amplifier delivers advanced audio integration within a commercial or residential AV installation.

The NPA100DA features a 2x 50W digital amplifier (1 x 100W mono) or 70V / 100V hi-level constant voltage output, dedicated LFE sub-woofer output, Dante audio integration and 2ch balanced / unbalanced audio outputs.

The NPA100DA supports a variety of inputs including 2ch Dante audio, HDMI ARC, MIC audio with 48V Phantom power support, optical audio and 2ch balanced / unbalanced analogue audio.

The NPA100DA can be powered via PoE++ from a compatible network switch, or locally should the switch not support PoE++. The unit also includes the ability to lower the amplifier power output subject to PoE capabilities, support for combined or independent LAN and Dante connections, DSP with a 10 band EQ, audio delay for lip sync correction, independent gain control for audio inputs and control via front panel, IR, RS-232, TCP/IP, Web Gui or 12V trigger.



Key Features

- Advanced network audio amplifier with Dante Integration
- Supports 2x 50W @ 4 / 8 ohm, 1x 100W @ 4 / 8 ohm or 70 / 100V constant output for multiple speakers with longer cable runs
- Supports power via PoE++ on Dante LAN connection or Local power supply*
- Dual network option - Independent Dante and LAN control ports or combined to a single LAN port
- Audio inputs include:
 - 2ch Dante / AES67 audio input
 - HDMI ARC with CEC volume control
 - MIC audio input with phantom power and auto-ducking
 - 2ch Analogue audio input – unbalanced & balanced
 - 1x Optical audio input
- Audio outputs include:
 - 2ch Dante / AES67 audio output
 - 2ch variable/fixed analogue output, balanced / unbalanced
 - 1x LFE sub-woofer output
- Independent gain control for input channels
- DSP with 31 band EQ with + / -10dB and audio delay
- Local 12V input trigger for automated power control
- Control via front panel, IR, RS-232 and IP
- Auto standby mode with signal sensing
- In-built web gui for setup and control

*Amp power limited when using PoE++ or PoE+

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Specifications

- Dimensions (W x D x H): 250mm x 150mm x 45mm
- Dimensions Including Connections (W x D x H): 252mm x 150mm x 45mm
- Shipping Weight: 2.8kg
- Operating Temperature: 32°F to 104°F (0°C to 40°C)
- Storage Temperature: -4°F to 140°F (-20°C to 60°C)
- Power Supply: PoE++ Type 4, 1x 36V/5.5A DC

Connectivity

- **Audio Input:** 1x 5-Pin Phoenix connector (analogue), 1x 3-Pin Phoenix connector (MIC), 1x HDMI Type A, 19-pin, female, locking (ARC), 1x Optical (S/PDIF)
- **Audio Output Connectors:** 1x 4-Pin Phoenix connector (4 / 8 ohm speaker), 1x 3-Pin Phoenix connector (70 / 100v speaker), 1x 5-Pin Phoenix connector (analogue audio), 1 x 2-Pin Phoenix connector (LFE subwoofer)
- **Ethernet Port:** 1x LAN RJ45 connector (Dante), 1x LAN RJ45 connector (Network)
- **RS-232 Serial Port:** 1x 3-Pin Phoenix connector
- **IR input:** 1x 3-Pin Phoenix connector
- **Trigger Input:** 1x 2-Pin Phoenix connector

Regulatory Compliance



Amp Power Specification

POWER SOURCE	AMP OUTPUT
36V/5.5A DC	100W
PoE++ Type 4 Class 8	55W
PoE++ Type 4 Class 7	45W
PoE++ Type 3 Class 6	35W
PoE++ Type 3 Class 5	25W
PoE+ Type 2 Class 4	10W

Included Accessories

Power Supply	1 x 36V/5.5A
Remote Control	1 x
Mount	1 x Rack, 1 x Wall Kit
IR Accessories	1 x IR Reciever
Rubber Feet	4 x

Acknowledgements

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