TRINNOV AUDIO

THE POWER OF SOUND

# AMPLITUDE 8

8-CHANNEL POWER AMPLIFIER. THE PERFECT MATCH FOR THE ALTITUDE$^{32}$

## FEEL THE POWER

The Amplitude$^{8}$ is designed to ensure that your speakers will deliver the most spectacular performance in your luxury home theater. Two linear power supplies based on heavy duty toroidal power transformers allow every module to deliver 225W into 8 ohms, 375W into 4 ohms and 500W into 2 ohms. These no-compromise specs allow for:

- **a huge dynamic range and bass impact** only found in the best commercial theaters;
- **a powerful three-dimensional soundstage**;
- **the most energetic climaxes and explosions**.

## STATE-OF-THE-ART PERFORMANCE

The amplification stage of the Amplitude$^{8}$ also features the industry's lowest distortion and noise specifications, and its performance is frequency-independent. What does this actually mean for your movie experience?

- **audiophile-grade** audio performance in your home theater;
- **zero background noise** during the most quiet scenes of the movie;
- **the finest sound quality and realism** on music and movies alike, even at high loudness levels.

## THE PERFECT MATCH FOR THE ALTITUDE$^{32}$

The Amplitude$^{8}$ integrates seamlessly with your Altitude$^{32}$ A/V preamp:

- the Amplitude$^{8}$'s input level perfectly matches the Altitude$^{32}$'s output level, ensuring an **optimal use of the dynamic range** at the amplification stage;
- the Altitude$^{32}$'s outputs **can easily be connected** to the Amplitude$^{8}$'s input via D-Sub or XLR cables;
- the Amplitude$^{8}$'s front panel was designed to **match your Altitude$^{32}$** and **will look magnificent** in your home theater's rack.

# TECHNICAL SPECIFICATIONS

THE FINEST PERFORMANCE

## HIGHLIGHTS

**HUGE POWER, DYNAMIC AND BASS IMPACT.**

**UNPARALLELED CLARITY, RESOLUTION AND MUSICALITY.**

**8 CHANNELS EACH WITH 225W INTO 8 OHMS.**

**DUAL 4-CHANNEL DESIGN WITH DUAL POWER SUPPLY AND 2 INDEPENDENT INLETS.**

**HYPEX NCORE® CLASS D AMPLIFIER TECHNOLOGY USED IN THE FINEST AUDIOPHILE MONOBLOCKS.**

**HIGH-EFFICIENCY, QUIET CONVECTION-COOLED DESIGN.**

**DRIVES ANY SPEAKER, INCLUDING THE MOST DEMANDING LOADS.**

## IN ANALOG AUDIO INPUTS

- 8 Balanced on XLR or D-Sub 25 (1-8).
- Input Impedance: 47 kOhms.
- Input sensitivity: 6.15 V RMS balanced input (+18 dBu) for 225 W into 8 ohms.
- Gain: 19.2 dB.
- Polarity: Pin-2 = Positive, Pin-3 = Negative for Non-Inverting Output.

## OUT ANALOG AUDIO OUTPUTS

- 8 outputs with 5-way binding posts.
- Modes:
  - ***Normal***
  - ***Standby:*** Amplifier is ready to be turned on via front panel switch or remote trigger;
  - ***Overcurrent, D.C. and/or thermal protection:*** Amplifier will cycle;
  - ***Catastrophic D.C. or Output stage failure:*** Amplifier will shut down.
- Power Output: 8 ohms: 225 W RMS; 4 ohms: 375 W RMS; 2 ohms: 500 W RMS — *in RMS per channel with less than 0.05 % THD from 20 Hz to 20 kHz*
- Frequency Response: +/-0.5 dB from 0 Hz to 20 kHz, load independent.
- Damping Factor: Greater than 6000 at 100 Hz; Greater than 2000 at any frequency up to and including 20 kHz.
- Signal to Noise Ratio: 125 dB referenced to rated output (A-Weighted).
- Crosstalk: 85 dB.

## PHYSICAL CHARACTERISTICS

**Power Requirements**
- 117V AC, T15A Slo Blo main fuse;
- 230V AC, T8A Slo Blo main fuse;
- 50/60 Hz.

**Power Consumptions**
- Less than 1W at Standby;
- less than 80W at idle;
- 1500W max. by 2 when fully loaded.

**Trigger Input**
- 5 to 12V DC;
- Steady State.

**Dimensions**
- Width: 448 mm (17 5/8 inches);
- Height: 202 mm (7 15/16 inches);
- Depth: 502 mm (19 3/4 inches).

**Weight**
- 44.8 kg (98.5 lbs);
- 50.4 Kg (111.1 lbs) when boxed with accessories.

**Maximum Operating Temperature**
- Internal: 80°C (176°F)
- Room: 50°C (122°F)

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