VigilLink

150W CLASS D AMPLIFIER WITH DSP AND DANTE

Dante Amplifier

Welcome to the pinnacle of audio excellence with our cutting-edge two-channel amplifier, crafted using state-of-the-art class D amplifier technology. Unleashing a powerful symphony, this amplifier is your key to energizing low impedance (4Ω/8Ω) stereo systems, boasting a formidable 2 x 75 Watt output. For unparalleled versatility, it seamlessly bridges into constant voltage territories (100V and 70V), delivering a maximum output power of 150 Watt. Elevating your audio experience, it integrates Dante 2CH digital inputs and outputs, alongside balanced or unbalanced line level analog inputs and outputs.

Control meets convenience with a range of options, from RS-232 to LAN and a user-friendly Web GUI. Immerse yourself in the sonic perfection enhanced by built-in DSP, the intelligence of auto-standby, and unmatched durability. Designed for the expansive landscape of AV installations, this amplifier redefines possibilities, promising a symphony of quality, control, and endurance for your audio aspirations.

Feature Highlights

- Dante 2CH digital audio, balanced or unbalanced line level analog inputs
- Dante 2CH digital audio, balanced or unbalanced line level analog and AMP outputs
- Built-in audio DSP processor
- Switching between Lo-Z and Hi-Z can be achieved to adapt to various types of speaker installation.
- In Lo-Z output mode, single-channel 150 Watt or two-channel 2 x 75 Watt 4Ω/8Ω can be selected.
- In Hi-Z output mode, single-channel 150 Watt with 70V/100V can be selected.
- Independent input gain, output EQ and volume control
- 48KHz sampling rate, 24bit independent A/D and D/A converters
- 5-12V trigger input
- Auto standby
- Flexible control via RS-232, LAN and Web GUI
- Half rack design/one rack design

TECHNICAL

Input	1x Dante Network audio input 1x LINE balanced stereo 0dBu/10kΩ input
Output	1x Dante Network audio output 1x Stereo or constant voltage 70V/100V speaker output 1x LINE balanced stereo output
Input Sensitivity	Full power@0.775V (0dBu)
Output Power	DC power supply: 2x 75W@4Ω/8Ω; 1x 150W@8Ω; 1x 150W@70V/100V
Maximum Voltage Gain	27 - 30dB SE/39 - 42dB BTL
Amplifier Type	Class D
Frequency Response	20Hz - 20kHz @ ±3dB
Signal to Noise Ratio	87dB, 20Hz - 10kHz
THD+N	THD+N (1KHz@1W) 0.04%
Control	RS-232, Web GUI
Audio Format	LINE IN [Analog audio, Balanced 2CH, Max input level 2VRMS] LINE OUT [Analog audio, Balanced 2CH, Max output level 2VRMS] DANTE [Digital audio 2x2 in/out, PCM 2CH 44.1K-96KHz 16/24Bit] AMP OUT [Analog audio, Balanced 2CH, Max output level 24.5VRMS] 70V/100V AMP OUT [Analog audio, Unbalanced 1CH, Max output level 70V/100VRMS]
ESD Protection	Human-body Model: ±8kV (Air-gap discharge) , ±4kV (Contact discharge)

CONNECTIONS

Input:	1x LINE IN [5pin-3.81mm Phoenix Connector] 1x DANTE [RJ45 connector]
Output:	1x LINE OUT [5pin-3.81mm Phoenix Connector] 1x 4/8Ω AMP OUT [MSTB 2.5-GF-5.08, 4-pin locking phoenix, 5.08mm] 1x 70V/100V AMP OUT [MSTB 2.5-GF-5.08, 4-pin locking phoenix, 5.08mm]
Control:	1x RS-232/TRG [5pin-3.81mm phoenix connector] [TRG: 5-12V trigger input to turn on/off the amplifier] 1x LAN [RJ45 connector]

MECHANICAL

Housing	Front panel: Aluminum; Rear case: Metal Enclosure
Color	Black
Dimension	240mm [W]×210mm [D]×44mm [H]
Weight	1.88Kg
Power Supply	DC Input: AC100 - 240V 50/60Hz
Power Consumption	240W (Max)
Operation Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (non-condensing)

Classic Application Example

Power Supply

DVD or Blu-ray Player

4/8Ω Speakers

Amplifier