



## BG-AMP150WD

150W CLASS D AMPLIFIER/DIGITAL SIGNAL PROCESSOR WITH DANTE RS-232/LAN AND WEB GUI CONTROL

The BG-AMP150WD is a versatile two-channel amplifier that harnesses the power of class D amplifier technology, offering outstanding performance and efficiency. Perfectly designed for both low impedance (4Ω/8Ω) stereo systems and constant voltage (100V and 70V) configurations, this amplifier delivers robust and reliable audio solutions for a wide range of AV installations. With a maximum power output of 2 x 75 watts in stereo mode and up to 150 watts when bridged, the BG-AMP150WD is engineered to meet the demands of modern audio environments.

With a built-in DSP processor, the amplifier offers precise audio control with independent input gain, output EQ, and volume adjustments, operating at a 48KHz sampling rate with 24-bit A/D and D/A converters for superior audio quality. The amplifier's input sensitivity is set at full power@0.775V (0dBu), and it supports a maximum voltage gain of 27 - 30dB SE/39 - 42dB BTL. It boasts a frequency response of 20Hz - 20kHz @ ±3dB, a signal-to-noise ratio of 87dB (20Hz - 10kHz), and a THD+N (1KHz@1W) of 0.04%.



## FEATURES



### DANTE 2-CHANNEL DIGITAL AUDIO

Supports digital audio input and output via Dante, ensuring high-quality sound transmission and interoperability with other Dante-enabled devices.



### FLEXIBLE ANALOG INPUTS/OUTPUTS

Includes balanced or unbalanced line-level analog inputs and outputs, providing versatile connectivity options for various audio sources and setups.



### BUILT-IN DSP PROCESSOR

Features a built-in Digital Signal Processor (DSP) for advanced audio processing capabilities, allowing fine-tuning of sound quality to match specific installation needs.



### INDEPENDENT CONTROL OPTIONS

Offers independent input gain, output EQ, and volume control, enabling precise audio adjustments for optimal performance.



### HIGH-QUALITY CONVERSION

Equipped with 48KHz sampling rate and 24-bit independent A/D and D/A converters, ensuring pristine audio quality.



### CONTROL OPTIONS

Provides flexible control via RS-232, LAN, and a Web GUI, allowing for easy integration and remote management in complex AV systems.



# TECH SPECIFICATIONS

## 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 Formats	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)

## Connection

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
Dimensions (WxDxH)	9.4in x 8.3in x 1.7in [240mm x 210mm x 44mm]
Weight	4.1 lbs [1.88Kg]
Power Supply	DC Input: AC100 - 240V 50/60Hz
Power Consumption	75W
Operating Temperature	32° - 104°F / 0° - 40°C
Storage Temperature	-4° - 140°F / -20° - 60°C
Relative Humidity	20 - 90% RH (no condensation)

## Limited Product Warranty Terms

**Pro Line:** 5-year warranty from the date of purchase for AV/Broadcasting products bought on or after August 1, 2024.

**Essential Line:** 3-year warranty from the date of purchase for AV/Broadcasting products bought on or after August 1, 2024.

**Cables:** Lifetime Limited Product Warranty.

For complete warranty information, please visit [bzbgear.com/warranty](https://bzbgear.com/warranty).  
For questions, please call 1.888.499.9906 or email [support@bzbgear.com](mailto:support@bzbgear.com).

Pro Line Products  
**5-YEAR WARRANTY**

Essential Line Products  
**3-YEAR WARRANTY**

Cables Products  
**LIFETIME WARRANTY**