

BG-A88M Audio Amplifier

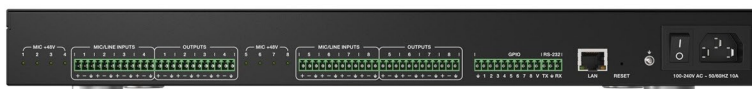
8x8 Audio Matrix/Digital Audio Processor

This digital audio processor is designed to enhance the audio quality in a variety of settings where multiple speakers are present and clear communication is essential. It provides eight MIC/linear inputs and eight linear outputs, allowing you to connect a wide range of audio sources and destinations. Its advanced algorithms, including full-band Adaptive Echo Cancellation (AEC), Adaptive Noise Suppression (ANS), Automatic Gain Control (AGC), and Auto Mixer, work together to produce clear, clean, and resonant sound with a high signal-to-noise ratio.



FEATURES

- Provide 8-ch balanced MIC/linear inputs and 8-ch balanced linear outputs
- Support adaptive feedback suppression function
- Support the full-band adaptive acoustic echo cancellation technology
- Dynamic adaptive noise reduction technology is provided to reduce noise with signal level up to 18dB
- Auto Mixer function is provided to set the order of priority when multiple microphones are input at one time
- Inclusive of Digital signal processing modules such as Expander, Equalizer, Compressor, Auto Gain Control, Limiter, High Pass Filter, Low Pass Filter and Delay
- Capable to switch matrix routings
- 48V phantom power supply for 8-ch MIC inputs
- 48kHz sampling rate, 24-bit for A/D or D/A conversion
- Support 8-ch programmable GPIO function



Specifications

Technical

Amplitude-frequency (20Hz~20kHz@+4dBu)	±0.2dB
THD+N (1kHz@+4dBu)	≤ 0.01%
SNR (linear input)	≥ 90dB
Dynamic Range	≥ 100dB
Channel Level Difference	±0.5dB
Channel Isolation	≥ 80dB
Max Input Level	20dBu
Max MIC Gain	40dB
Input Impedence	20KΩ
Output Impedence	300Ω
Sampling Frequency	48kHz
A/D and D/A Conversion	24Bit
Phantom Power	+48 VDC

Connection

Inputs	8 x Balanced MIC/LINE [3-pin phoenix connector] or 4 x Stereo Audio [3-pin phoenix connector]
Outputs	8 x Balanced LINE [3-pin phoenix connector] or 4 x Stereo Audio [3-pin phoenix connector]
Controls	1 x LAN [RJ45] 1 x RS-232 [3-pin phoenix connector] 8 x GIPO [10-pin phoenix connector]

Mechanical

Housing	Metal Enclosure
Color	Black
Dimensions	17" x 9.8" x 1.8" [440mm (W) x 250mm (D) x 45mm (H)]
Weight	7.3lbs [3.3kg]
Power Supply	AC 100 - 240V 50/60Hz
Power Consumption	9W (Max)
Operating Temperature	32°F ~ 104°F / 0°C ~ 40°C
Storage Temperature	-4°F ~ 140°F / -20°C ~ 60°C
Relative Humidity	20~90% RH (non-condensing)

Industry-Leading Warranty & Support

BZBGear Pro AV products and Cameras come with a three-year warranty. An extended two-year warranty is available for our Cameras upon registration for a total of five years. We pride ourselves in our Customer Service and seven-days-a-week Tech Support.

LIFETIME
PRODUCT SUPPORT

PRO AV	CAMERAS
3 YEAR WARRANTY	5 YEAR WARRANTY