

8×8 Audio Matrix Processor with DSP

BAMX88 Product Manual



The BAMX88 is a versatile and powerful 8×8 audio matrix DSP-based processor designed for professional audio applications, offering eight microphone/line inputs and eight outputs for flexible routing and control. Engineered for clarity and intelligibility, it features adaptive echo cancellation and adaptive noise suppression, ensuring pristine audio in even the most challenging acoustic environments. Each input and output channel is equipped with an 8-band graphic equalizer, allowing precise tonal adjustments to optimize sound quality. With its advanced signal processing capabilities and comprehensive input/output options, this processor is ideal for conference rooms, classrooms, houses of worship, and other demanding audio installations.

Key features:

- 8×8 audio matrix processor
- Digital Signal Processing (DSP)
- 8 mic/line balanced or unbalanced audio inputs
- 8 line balanced or unbalanced audio outputs
- 8-band graphic EQ
- Mic Phantom Power options with 48V capabilities
- Volume, bass, treble, and mute controls
- Adaptive Echo Cancellation (AEC)
- Adaptive Noise Suppression (ANS)
- High-pass Filter (HPF) and Low-pass Filter (LPF)
- Limit and auto mixer EQ functionality
- IR, RS232, and IP control with browser-based UI
- General Purpose Inputs and Outputs (GPIO)

Measurements:

- Weight: 5.16lbs (2.34kg)
- Dimensions: 17.3in x 8.00in x 1.73in (440mm x 203mm x 44mm)

Box contents:

- (1) BAMX88 audio matrix processor
- (1) Remote control
- (2) Rack mounts with screws
- (4) 12-pin male Phoenix connectors
- (1) 10-pin male Phoenix connectors
- (1) 3-pin male Phoenix connectors
- (1) Power cable
- (1) Quick start guide



Vanco International LLC provides a 2-year limited warranty for any defect in workmanship or materials under normal use from the date of purchase to the original owner. Please refer to the warranty page at www.vanco1.com for more details.