

8×8 Audio Matrix Processor with DSP

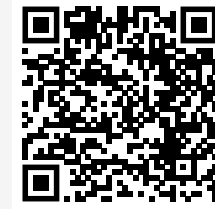
BAMX88 Quick Start Guide



⚠ Safety Instructions

For optimum performance and safety, please read these instructions carefully before use and keep this guide for future reference. Please have the part number, serial number, and invoice available when requesting support.

- To prevent an electrical shock, please ensure all devices are properly grounded.
- Place the device in a well-ventilated area and do not block any ventilation openings.
- Do not expose or place device near water - liquid may cause a failure, fire, or electrical shock.
- Do not place the device on an uneven or unstable surface - a fall may result in a malfunction.
- Never insert anything metallic into the device - this may cause an electrical shock.
- If a third-party power supply is used, please ensure it meets the requirements of this device.



Additional Resources

Visit the product page at www.vanco1.com for the latest version of this document and other resources.

Description

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)

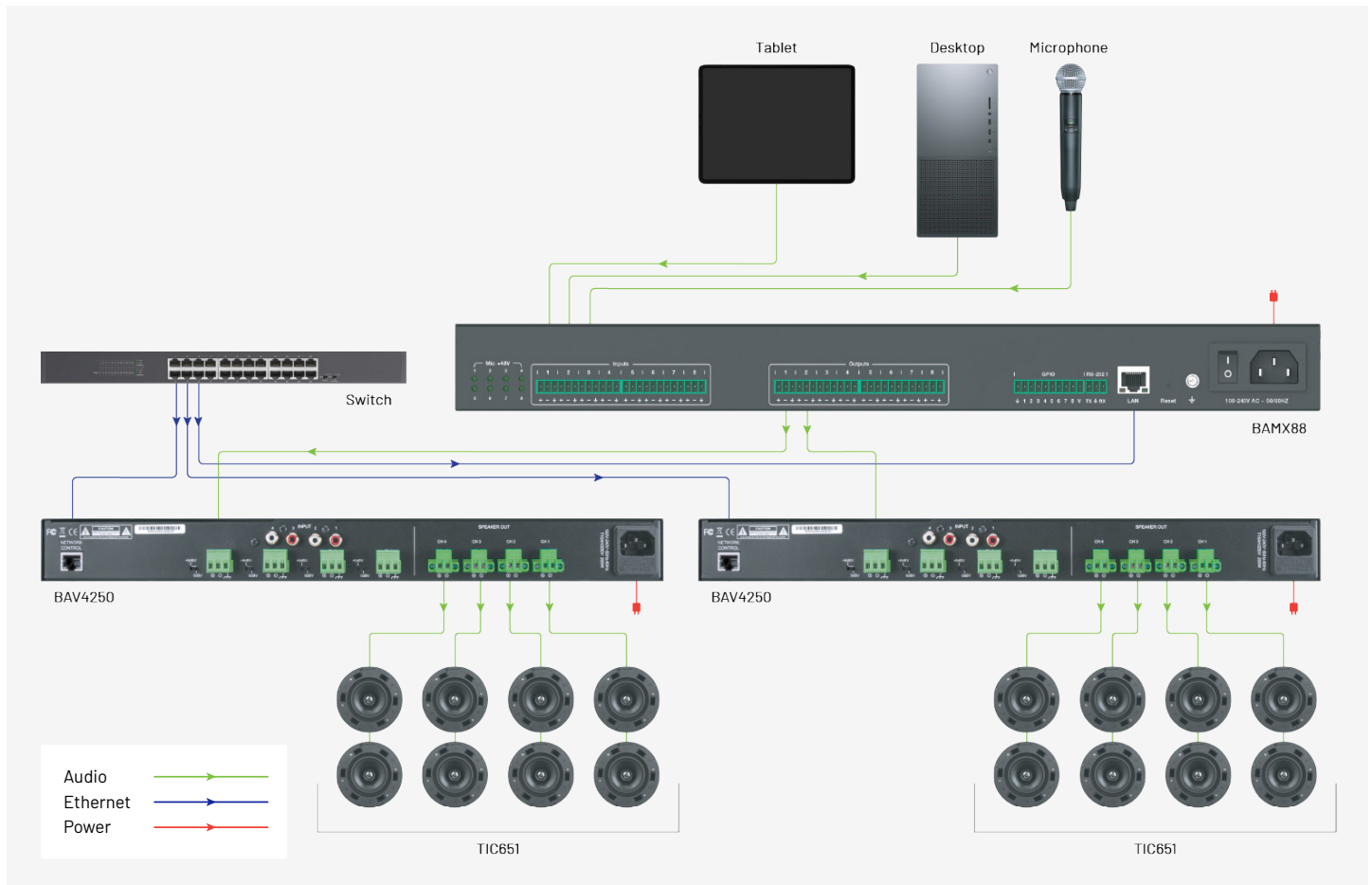


Box contents:

- (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

8x8 Audio Matrix Processor with DSP

BAMX88 Quick Start Guide



Connection Diagram

1. Connect your line level unbalanced and unbalanced source(s) and any microphone inputs into the provided phoenix connectors under Inputs.
2. Connect your Outputs using the provided Phoenix connectors to your system amplifier(s).
3. Connect a Cat5e/6 cable to the LAN port on the unit from a computer or network for TCP/IP control, and/or a provided 3-pin Phoenix connector to the RS232 port for control.
4. Turn on units and connected components and test.
5. Use the front panel and dial, provided remote, 3rd party control system, or built-in browser user interface to set up further.

NOTE: Follow the connection instructions of your amplifier for setup

Vanco Tech Support
Phone: 800-626-6445
Email: techsupport@vanco1.com
Web: www.vanco1.com/tech-support

