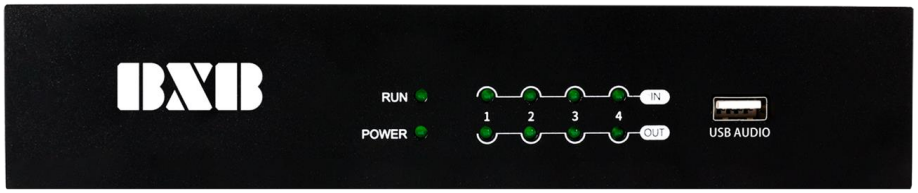
DAM-0404 / 0404D

4x4 Digital Audio Matrix Processor



Product Features

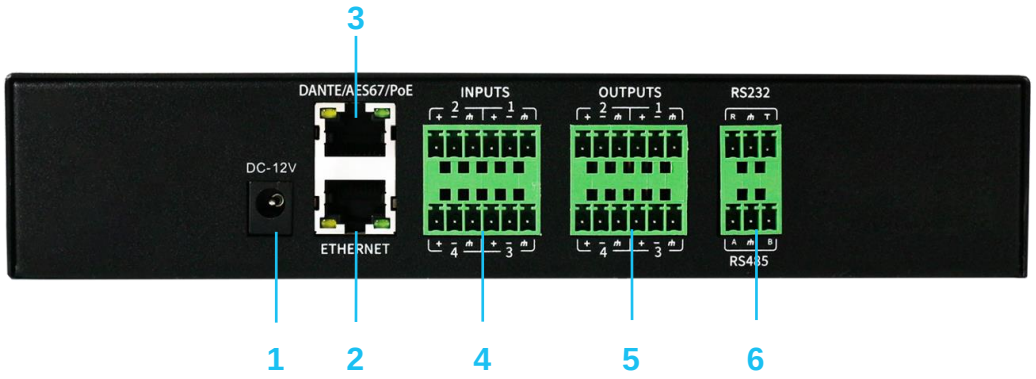
- **Extensive Audio Inputs**: Features 4 fixed analog audio input points, connected easily and quickly via detachable European terminal blocks. Each input can be customized with audio processing modules and sequences according to different scenarios and needs, providing excellent audio flexibility and expandability.
- **Multifunctional Connectivity**: Equipped with matrix functionality, allowing users to customize output sources to meet various complex and specific audio configuration requirements. This feature enhances the product's flexibility in multi-room or multi-zone audio management applications.
- **Rich Control Interface**: Available in Traditional Chinese and English interfaces, allowing users to easily perform audio matrix switching and control parameter settings on any Windows OS computer. Supports management of up to 20 devices and simultaneous control by 8 users, facilitating efficient team collaboration and equipment management.
- **Multi-Protocol Communication Transmission**: Supports RS-232, RS-485, and UDP communication protocols, enabling integration with third-party devices such as cameras for centralized control, enhancing the convenience and efficiency of system integration.
- **Additional Audio Expansion**: Offers an optional Dante™ model (DAM-0404D), adding four sets of Dante™ input/output signals, further expanding the audio input and output capabilities.

Product Features

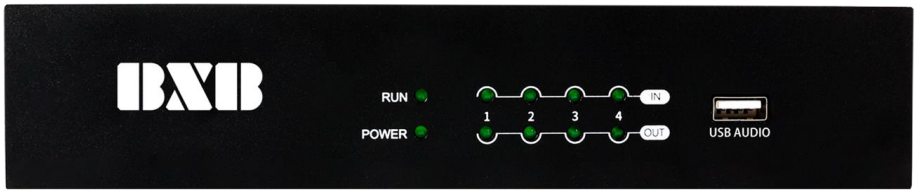
Professional Audio Processing

- **Automatic Echo Cancellation (AEC)**: Offers three modes - Moderate, Conservative, Aggressive - for adaptive echo management.
- **Automatic Feedback Suppression (AFC)**: Provides de-reverberation algorithms, automatic gain control, and a speech gain increase of more than 16dB.
- **Automatic Noise Suppression (ANS)**: Enhances the signal-to-noise ratio by up to 18dB without relying on a vast database of noise characteristics.
- Features such as **Auto-Mute (Ducker)**, **Automatic Volume Compensation (ANC)**, and **Gain Sharing Auto-Mixing (AM)** further enhance audio handling.

Rear Panel



1. **Power**: 110-240V AC with power switch.
2. **Ethernet connector**: for PC software and TCP / IP API control.
3. **PoE / Dante™ interface**: connects to a PoE switch for power supply. For Dante™ connection, an additional 4 inputs and 4 outputs is availalbe for system expansion (only supported by model DAM-0404D).
4. **INPUT analog input interface**: connects with microphones, DVD players, etc.
5. **OUTPUT analog output interface**: connects with amplifiers and loudspeakers.
6. **RS232 + RS485 interface**: for connecting to a third-party control device.



DAM-0404 / 0404D 4x4 Digital Audio Matrix Processor

Audio	
Sampling rate	48K / 24bit
Input gain	0/10/20/30/40/ 43dBu
Ouput level	0/-6dB
Phantom power	48V
Frequency Response	20~20KHz ±0.5dB
Max. level	+24dBu
THD + Noise	0.003%@4dBu
Dynamic range	113dB

Audio	
Background noise (A-weighted)	-90dBu
Common mode rejection ratio @60Hz	80dB
Channel isolation @1KHz	108dB
Input impedance (Balanced)	5.4KΩ
Output impedance (Balanced)	102Ω
System Delay	<3ms

Physical Properties	
Dimensions (WHD)	215 x 44 x 162 mm
Weight	2 kg
Operating temperature	30˚C / 86˚F

Power Supply	
Power Supply Unit	DC 12V 2A MAX
Total Power	24 W

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