

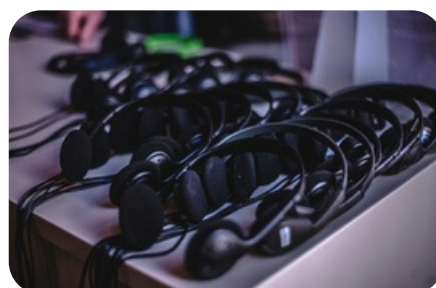


DESCRIPTION

DS 4D4D-AP is a high-performance 4x4 acoustic processor designed for professional audio installations. Equipped with advanced digital signal processing (DSP) and Dante audio networking, this versatile device ensures seamless audio distribution and processing for demanding applications in commercial, entertainment, and conference environments.

FEATURES

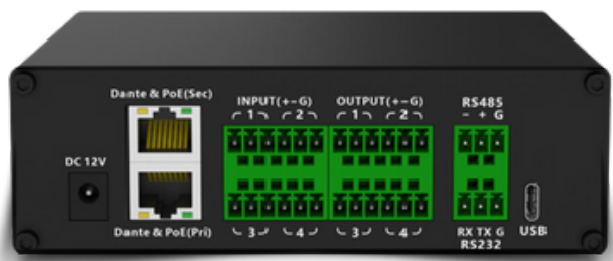
- **High-Performance DSP:** Dual-core floating-point processor, 24bit/48KHz sampling.
- **Input Processing:** Preamplifier, signal generator, expander, 5-band parametric EQ (AFC, AEC, ANC optional).
- **Optional Audio Algorithms:** Supports AFC, AEC, ANC.
- **Control Options:** PC, PAD, built-in client, online download support.
- **Connectivity:** RS485, Ethernet control interface.
- **Power Supply:** POE (802.3af standard).



SPECIFICATIONS

Analog Channels	4 balanced/line inputs	Input Gain Amplification	-6~36dB, 6dB level
Dante Channels	4 Input-4 Output	Frequency Response	18~20KHz, ±0.5dB
EIN (A-weighted)	≤-100dBu	Input Impedance (Balanced)	20KΩ
Channel Isolation	100dB@1kHz, 4dBu	Dimension (W×D×H)	142X157*46mm
Common Mode Rejection	80dB@80Hz	Analog to Digital Dynamic Range	114dBu
THD+N	≤0.005% @ 4dBu	Digital-Analog Range	114dBu
Maximum Input Level	10dBu	Channel Isolation	100dB@1kHz, 4dBu
Maximum Output Level	14dBu		

FRONT PANEL/REAR PANEL



Front Panel

The device includes indicators and a display to monitoring its status. The display shows the current IP address. The input and output channel indicators use a color system: unlit for very small signals, red for large signals, and green for normal signals. The system indicator flashes when the device is running normally, while the power indicator remains on to confirm the device is powered.

Rear Panel

The device includes a DC12V power connector for a 12V/2A adapter and a Dante POE network interface for Dante digital signal transmission, PC control, and power supply. The INPUT interface connects to microphones, PCs, and other devices, while the OUTPUT interface links to amplifiers and active speakers. It also features RS485 and RS232 serial interfaces for connecting control terminals or centralized control systems, along with a USB- C interface supporting USB-C audio cards

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