

ABT-DIO

DANTE INTERFACE

- ✓ *Audio processor dedicated to Dante network*
- ✓ *2 analog inputs/outputs*
- ✓ *2 digital inputs/outputs*
- ✓ *Advanced AEC/FBC algorithms*
- ✓ *Simple configuration*



The ABT-DIO is a 2-input/2-output audio processor dedicated to Dante networks (it can also function as an audio inter-face for the ABT-MX6 and ABT-MX12 audio matrices.). It provides a solution for distributing music signals, announcements, and zone management in sound reinforcement installations. The ABT-DIO is a two-channel audio processor with a built-in DSP, supporting 24-bit signal processing at 48 kHz and 96 kHz sampling rates. It is equipped with two analog microphone/line inputs with phase adjustment, gain, equalization, compression, and delay, as well as two analog outputs with similar functionality. It features a Dante 2x2 interface for transmitting audio over Ethernet, along with advanced AEC (Acoustic Echo Cancellation) and FBC (Feedback Cancellation) algorithms. The DSP

matrix allows flexible signal routing, configurable via a PC application connected through Ethernet, and the RS-232 inter-face enables integration with control systems. The device can be powered either via PoE or an external

15 V DC power supply, and its dimensions are approximately 196 × 45 × 128 mm.



	ABT-DIO
Electrical Parameters	
Power Supply	15 V DC @ 800 mA (DC power adapter)
Input Impedance	10 k Ω
Phantom Power	+48 V DC (± 3 V)
Frequency Response	20 Hz – 20 kHz (at 0 dBu) ± 1 dB (A-weighted)
Total Harmonic Distortion (THD+N)	< 0.03% (typical, 20 Hz – 20 kHz, 0 dBu, A-weighted)
Maximum Input Level	+20 dBu (+20 dB ± 0.5 dB, A-weighted)
Digital Gain Range	0 ~ +50 dB (step 0.5 dB)
Dynamic Range	106 dB
Crosstalk between channels	< -88 dB (20 Hz – 20 kHz, 0 dB, channel-to-channel)
Interfaces	
Analog audio inputs/outputs	2 inputs / 2 outputs
Connector type	Euroblock – 2 $\times$ 3-pin (3.5 mm pitch)
Mechanical Parameters	
Dimensions	196 $\times$ 45 $\times$ 128 mm (W $\times$ H $\times$ D)
Weight	1,8 kg

