

ABT-MX6

AUDIO MATRIX



The ABT-MX6 audio matrix is the central element of the Public Address System. It is responsible for matrixing input and output signals and their digital processing. The matrix offers 6 analog inputs and 6 analog outputs. Extensive DSP options allow for precise sound shaping, including level adjustment, correction, dynamics, and signal routing management, ensuring high quality and flexibility of system

configuration. The ABT-MX6 is designed for users of all skill levels, offering both simple, maintenance-free operation and the ability to manually adjust and change signal routing. Advanced configuration and detailed DSP settings are performed using intuitive PC software.

CHARACTERISTICS

- » **Multichannel audio matrix**
- » **6 analog inputs × 6 analog outputs**
- » **4 RD ports for connecting microphones and controllers**
- » **Optional support for the Dante standard**
- » **Advanced DSP functions**
- » **Ability to upload presets**



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Electrical Parameters

Power Supply	100 – 240 VAC 50/60Hz
Power Consumption	27W (typical)
Input Impedance	6,8 kΩ
Phantom Power	+48 VDC (±3V)
Frequency Response	20 Hz – 20 kHz @ 0 dBu ±1,5 dB
Total Harmonic Distortion (THD+N)	< 0,03% @ 20 Hz – 20 kHz, 0 dBu
Maximum Input Level	+20 dBu
Digital Gain Range	0 ~ -48 dB in 12 dB steps
Dynamic Range	108 dB
Crosstalk between channels	< -88 dB @ 20 Hz – 20 kHz, 0 dB

Interfaces

Analog audio inputs/outputs	6 inputs / 6 outputs
Connector type	Euro-block 3 × 6-pin 5mm pitch
RD ports (remote device)	4

Mechanical Parameters

Dimensions	44 × 483 × 256 mm (H × W × D)
Mounting	Rack 19"
Weight	5,245 kg

