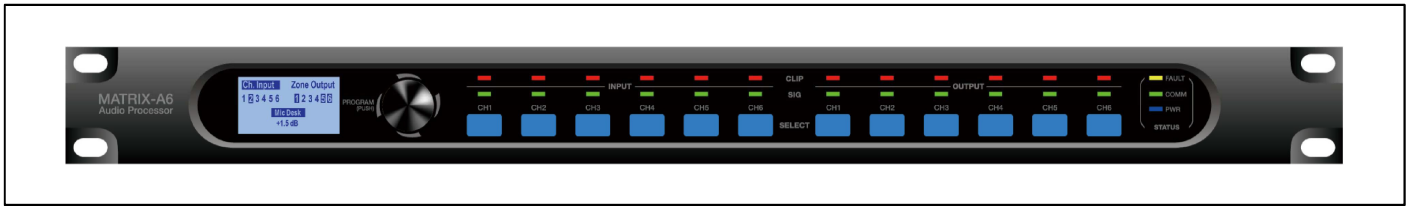




MATRIX-A6

Digital Matrix Platform



Features

- 6 analog IN x 6 analog OUT
- 4 Volume Controllers ports
- Optional Dante module
- DSP functionalities
- Fix architecture for easy and quick operation
- Intuitive GUI with PC software editor

The MATRIX-A6 is at the heart of a music distribution, paging, discussion and zone management system for commercial and fixed installations. It has 6 inputs and 6 outputs in a single device powered by a state-of-the-art DSP. Easy to use and install through an intuitive graphical interface, it offers a large number of features for a wide range of applications.

The operation of MATRIX-A6 has been designed for three different types of users. The basic level is for authorized operators only to manipulate a microphone and remote volume controllers, the device being transparent to them.

The second level is for authorized operators able to change the signal routing and volume from time to time by simple and fast action. Intuitive controls such as input and output selectors, a scroll wheel / data push button, and an LCD display are available for this purpose.

Finally, for more precise settings, a PC software editor is available, including powerful DSP functions. It uses a familiar hardware-like layout to allow for a short programming schedule and fast hardware implementation.

Specifications

MODEL	MATRIX-A6
Analog I/O	
Connectors	Euroblock 4 x 6-pin, 5 mm pitch,
CODEC	CS4272, 24-bit, 48 kHz
MIC Inputs	Active balanced
Gain Settings	+10 to +60 dB ,1 dB steps
Input Impedance	
Phantom Power	+48 VDC, 10 mA max per input
THD+N	
Maximum Input	3 dBV (1.4 Vrms)
Line Inputs	Active balanced
Gain Settings	
Input Impedance	
THD+N	< 0.01 % typ 20-20k Hz, +4 dBu
Maximum Input	
Frequency Response	20-20k Hz, +0, -0.5 dB
Dynamic Range	
Crosstalk	
Outputs	Active balanced
Impedance	
Maximum Output	+20.0 dBu
Frequency Response	20-20k Hz, +0, -0.5 dB
Dynamic Range	
Crosstalk	
Indicators	
Signal	-50 dBu Green LED, peak-reading
Overload	-0.5 dBu Red LED, peak-reading
DSP	
Processor	SHARC ADSP-21489, 450 MHz
Word Length	32 / 64-bit Floating Point
Dimensions (L x H x D)	483 x 44 x 256 mm

Specifications subject to modification without notice

PC Software Editor

The friendly editor makes any setting or modification easy. It reports the control status in real time with clear graphic indications for all functions.



DSP Functions

- Gain
- Ducker
- Gate / Expander
- Parametric EQ
- Delay
- Auto Mixer
- Limiter / Compressor
- Matrix
- Feedback Canceller
- Bandpass Filters
- Crossover Filters



Optional Dante module

