# AUDIO MATRIX

## TMX-808A



TMX-808A



TMX-200RPM

TMX-100D

TMX-1000RVC / TMX200RVA

TMX-200RIO

## Features

- 8 analog IN x 8 analog OUT
- 4 digital IN x 4 digital OUT
- 8 Dante IN x 8 Dante OUT
- Up to 192 IN x 192 OUT

- DSP functionalities
- Fix architecture for easy and quick operation
- Intuitive GUI with PC and Apps software editor
- Extended remote controller options

TMX-808A is a core of a music distribution, paging, discussion and zone management system for commercial and fixed installations. It features up to 20 inputs and 20 outputs in a single device powered by a state-of-the-art DSP circuity. Easy to operate and to install thanks to an intuitive GUI, it offers a large number of remote controllers for a wide range of applications.

**20 x 20 Digital Matrix**
8 analog IN / 8 analog OUT via local ports
4 digital IN / 4 digital OUT via local ports to analog panel I/O
8 digital IN / 8 digital OUT via DANTE optional module

**Up to 192 In x 192 Out**
The basic system offers a total of 12 IN x 12 OUT without the Dante option.
I/O expansion is possible with 16 pcs devices linked together for a maximum of 192 x IN and 192 x OUT.
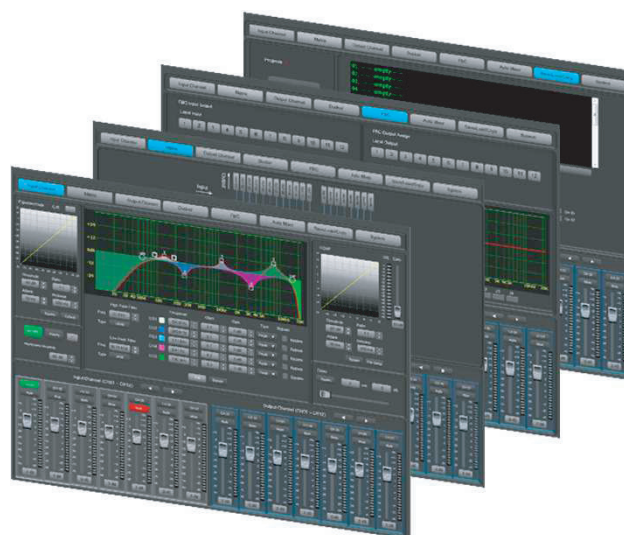
**Fix Architecture**
TMX-808A is intended for non-expert customers looing for quick and easy operation. The intuitive GUI utilizes a familiar hardware-like layout to enable a short programming timeline and rapid hardware implementation.

**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 Canceler
- Bandpass Filters
- Crossover Filters



**Digital Connectivity**
TMX-808A uses four types of connections all CAT5e compatible:
**RCNET**, based on RS-485 transfer protocol, for MATRIX link.
**RD**, based on AES3 transfer protocol for point to point digital audio transport plus RS-485 for panel control.
Ethernet **Dante** for multi-channel digital audio transport.
Ethernet TCP/IP for **LAN** control.

## Specifications

| Analog I/O 8 x 8 | |
|---|---|
| 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 | 2.6 kΩ 1%,1 kHz, each leg to ground |
| Phantom Power | +48 VDC, 10 mA max per input |
| THD+N | < 0.01 %, typ   20-20k Hz, +4 dBu |
| Maximum Input | 3 dBV (1.4 Vrms) |
| **Line Inputs** | Active balanced |
| Gain Settings | +10 to +20 dB ,1 dB steps from +10 to +20 |
| Input Impedance | 5.1 kΩ |
| THD+N | < 0.01 % typ 20-20k Hz, +4 dBu |
| Maximum Input | 20.0 dBu |
| Frequency Response | 20-20k Hz, +0, -0.5 dB |
| Dynamic Range | 105 dB max, A weighted |
| Crosstalk | 104 dBu ,   20-20k Hz, +20 dBu, ch to ch |
| **Outputs** | Active balanced |
| Impedance | 200 Ω 1% |
| Maximum Output | +20.0 dBu |
| Frequency Response | 20-20k Hz |
| Dynamic Range | 105 dBu |
| Crosstalk | 110 dB |
| **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 |

*Specifications subject to modification without notice*



Dante    Lan    RC-Net    RD    RS-232    Relay out    8 x analog out    8 x analog in