Dante™ + AES67

NST AUDIO

VMX88
Audio Installation Processor

Finally, install gets the audio quality it deserves.

Designed using the latest generation of NST DSP technology, VMX88 brings no-compromise audio performance and powerful system control to any audio installation.

VMX88 delivers all the benefits and experience of our live sound filters and dynamics algorithms in an installation product, without compromise. The 8 analogue inputs have individual compressors, as well as a 24dB/Oct high pass filter, 8 bands of parametric EQ and up to 1.3 seconds of delay. The full matrix mixer allows mixing of not just the analogue inputs but also 8 channels of Dante networked inputs to any output channel. Audio channels can be routed to the 8 channels of Dante network outputs from multiple stages in the audio chain to give flexibility in system design.
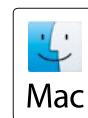
All of the 8 analogue outputs have 16 bands of parametric EQ, 48dB/Oct high and low pass filters, up to 1.3 seconds of delay as well as our high performance, two-stage PXL limiters for high performance loudspeaker protection.

All analogue audio connections are on Phoenix-type 3-pin 5.08mm pitch connectors. The 4 GPI connections allow configurable actions such as fire alarm mutes and preset recalls.

Up to 100 presets can be stored with recall options allowing selective recall combinations of input, matrix and output sections.

Our D-Net control software for PC, Mac and iPad gives you complete control over ethernet and wifi. The VMX88L is also fully compatible with our VR1 PoE remote control panel for simple, flexible user control. Control via third party systems such as Crestron™ is available via our simple ethernet control protocol.

Mac | Download on the App Store

VMX88 Key Features

Audio I/O:
8 Analogue Inputs, 8 Analogue Outputs
Redundant Dante/AES67 Network Audio Ports
Dante/AES67: 8 Input Channels, 8 Output Channels
DSP Sample Rate: 96kHz

Input Processing Features:
Soft Knee Compressor
8 Parametric EQs & 2 Dynamic EQ
24dB/Oct HPF
Gain, Polarity, Delay (up to 1.3s)

Routing Matrix Modes:
Full routing mix-matrix for network and analogue audio channels
Preset Configurations (2x4, 4x2, 1x8, 2x3+2)

Output Processing Features:
16 Parametric EQs
Crossover Filters up to 48dB/Oct
Gain, Polarity, Delay (up to 1.3s)
2-stage PXL Limiters

4 GPI ports for configurable external control

Up to 100 presets may be stored for offline recall

Remote control via 100Mbps Ethernet

Compatible with VR1 PoE remote control panel
Simple Ethernet Control Protocol enables building control system integration for Crestron™ and other similar systems.

VMX88 Technical Specifications

Analogue Inputs - 8 Electronically Balanced
CMRR: >60dB @ 1kHz
SNR: 119dB 'A'wtd
THD+N (+19dB @ 1kHz): 0.0007%
Maximum Level >20dBu
Input Impedance: 10k Balanced

Analogue Outputs - 8 Electronically Balanced
SNR: 122dB 'A'wtd
THD+N (+19dB @ 1kHz): 0.00029%
Maximum Level: >20dBu, Source Impedance: <60R

Performance & Mechanical
Frequency Response: 12Hz - 32kHz ±0.2dB
Dynamic Range: >119dB 'A'wtd (in-out analogue)

Latency: 0.427mS (in-out analogue, 96kHz)

Power: 90-250VAC, 50-60Hz, 20W
Dims: 44 x 170 x 482mm (1.75 x 6.75 x 19in)
Weight: 2.2kg Net; 3.4kg Shipping

VMX88 Signal Processing

ANALOGUE INPUTS X 8 — COMP'R — GAIN — POLARITY — DELAY — HPF — PEQ x 8 — DYNAMIC EQ x 2 — MUTE

ANALOGUE INPUT PROCESSING CHANNELS 1 - 8

8 INPUT 8 OUTPUT MATRIX

GAIN — POLARITY — DELAY — HPF - XOVER - LPF — PEQ x 16 — LIMITERS PROG. CLIP — MUTE — ANALOGUE OUTPUTS X 8

OUTPUT PROCESSING CHANNELS 1 - 8

NETWORK AUDIO INPUTS

NETWORK AUDIO INPUT CHANNELS 1 - 8

8 INPUT 8 OUTPUT MATRIX

INDIVIDUAL NETWORK SOURCE CHANNEL

INDIVIDUAL NETWORK SOURCE PICK-UP

NETWORK AUDIO OUTPUTS X 8

INDEPENDENT NETWORK OUTPUTS 1 - 8

1 INPUT POST PROCESSING
2 MATRIX OUTPUT
3 OUTPUT POST PROCESSING