



VMX88L

Audio Installation Processor



Finally, install gets the audio quality it deserves.

Designed using the latest generation of NST DSP technology, VMX88L brings no-compromise audio performance and powerful system control to any audio installation.

VMX88L 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 to any output channel.

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 30 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.

VMX88L Key Features

Audio I/O:

8 Analogue Inputs, 8 Analogue Outputs
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 Mix Matrix, Routing Matrix,
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

Up to 30 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.



VMX88L Technical Specifications

Analogue Inputs - 8 Electronically Balanced

CMRR: >60dB @ 1kHz
 SNR: 119dB 'A'wtd
 Maximum Level >20dBu
 Input Impedance: 10k Balanced

Analogue Outputs - 8 Electronically Balanced

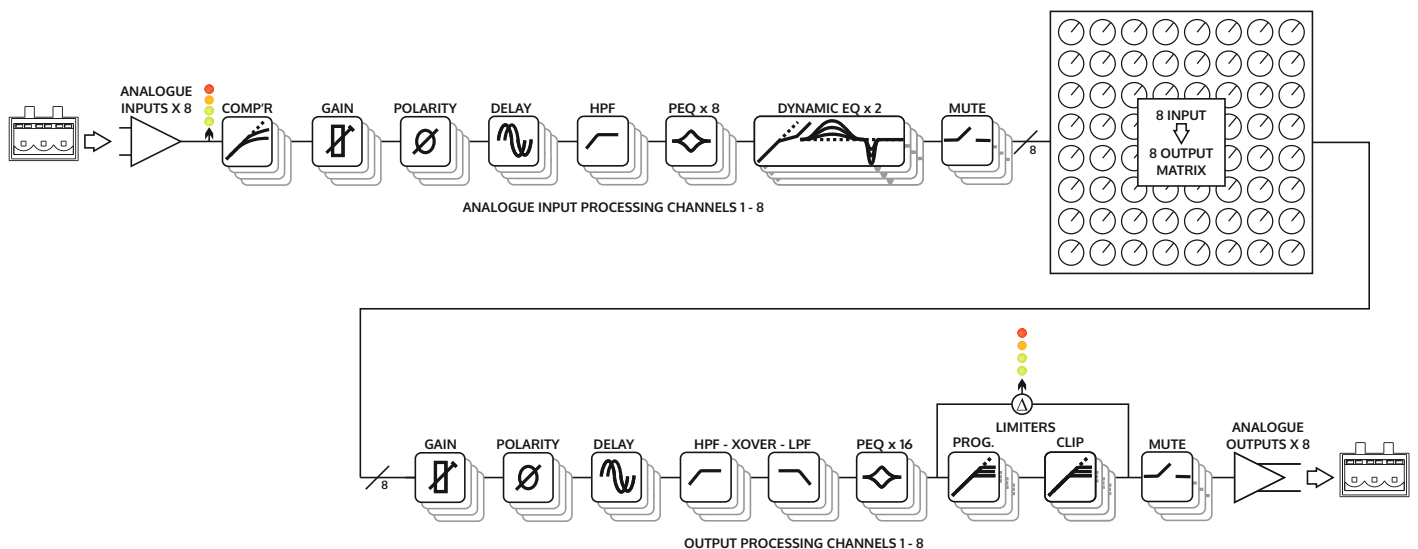
SNR: 122dB 'A'wtd
 Maximum Level: >20dBu
 Source Impedance: <60R

Performance & Mechanical

Frequency Response: 12Hz - 32kHz ± 0.2 dB
 Dynamic Range: >119dB 'A'wtd (in-out analogue)
 THD+N (+19dB @ 1kHz): 0.00029%
 Latency: 0.427mS (in-out analogue, 96kHz)

Power: 90-250VAC, 50-60Hz, <40W
 Dims: 44 x 170 x 482mm (1.75 x 6.75 x 19in)
 Weight: 2.2kg Net; 3.4kg Shipping

VMX88L Signal Processing



D-Net Remote Control Software

PC, Mac and iPad compatible remote control software via Ethernet access.
 Full control of all DSP, routing and configuration of multiple VMO16 units
 with ability to set up systems offline and store/load presets and preset libraries.

