



# D48S

## Matrix Signal Processor



## Introducing the next step in technology

Based on the same great analogue design as our D48 matrix processor but with a brand new DSP engine, the D48S adds a range of new audio tools to your system.

With inputs and outputs switchable in channel pairs between analogue or AES/EBU the D48S gives you the flexibility you need to integrate into your system.

Compressors are available on every input as well as a high pass filter, 6 bands of parametric EQ, a 28 band graphic EQ, 3 bands of dynamic EQ and up to 1.3 seconds of delay. Routing to outputs can be configured to either mix-matrix mode, free-routing or several pre-configured routing options. Flexible channel linking enables quick and easy configuration of common crossover setups or customised configurations as required. Every output channel has high

and low pass filters, 10 bands of parametric EQ and up to 1.3 seconds of delay. Also new is our Predictive eXcursion Limiter (PXL) algorithm designed to offer the best driver protection with the lowest distortion.

Front panel control allows instant mute of any input or output as well as editing of all the most commonly used parameters and recall of presets.

Our D-Net Ethernet based control software for PC, Mac and iPad gives you the ability to not only control all the devices on a network but also to store preset memories and configure systems offline.

## D48S Key Features

4 Analogue Inputs, 8 Analogue Outputs

AES Digital Inputs and Outputs with sample rate conversion from 24 to 96kHz

### Input Processing Features:

- Soft Knee Compressor
- 6 Parametric EQs
- 24dB/Oct HPF
- 28 Band Graphic EQ
- 3 bands of Dynamic EQ
- Gain, Polarity, Delay (up to 1.3s)

### Routing Matrix Modes:

Mix Matrix, Routing Matrix, Preset Configurations (2x4, 4x2, 1x8, 2x3+2)

### Output Processing Features:

- 10 Parametric EQs
- Crossover Filters up to 48dB/Oct
- Gain, Polarity, Delay (up to 1.3s), PXL Limiters
- Remote control via 100Mbps Ethernet, USB Type B
- Up to 30 presets may be stored for offline recall



## D48S Technical Specifications

Analogue Inputs - 4 Electronically Balanced

CMRR : >60dB @ 1kHz

Maximum Level >20dBu

Input Impedance : 10k $\Omega$  Balanced

AES Inputs - 2 x 2 Channel Transformer Balanced

AES Input Sample Rates : 8kHz to 96kHz

AES Input s/n Ratio : 140dB

Input Impedance 110 $\Omega$

Analogue Outputs - 8 Electronically Balanced

Maximum Level L >20dBu

Source Impedance : <60 $\Omega$

AES Outputs - 4 x 2 Channel Transformer Balanced

Sample Rate : Same as operating sample rate

Source Impedance : 110 $\Omega$

Frequency Response (20Hz to 20kHz) : +/-0.4dB

Dynamic Range : >115dB unweighted (in to out analogue)

THD + N (-10dB @ 1kHz) : 0.0013%

Latency : 1.28ms (in to out, analogue, 96kHz)

Power : 90-250VAC, 50-60Hz, <40W

Dimensions : 44 x 213 x 482mm (1.75 x 8.4 x 19 inches)

Weight : 3.2kg Net, 3.9kg Shipping

## D-Net Remote Control Software

PC, Mac and iPad compatible remote control software with USB and Ethernet access. Full control of all DSP, routing and configuration of multiple D48S units with ability to set up systems offline and store/load presets and preset libraries.

