



D48 DSP PROCESSOR





D48 DSP PROCESSOR

D Series DSP Digital Processor

Features

- 32 bit DSP SHARC, 96kHz sampling rate, 24 bit AD/DA.
- Input including high-cut, low-cut, 8 PEQ, 31 segment graphic equalizer, noise gate, gain, mute, phase, delay and link.
- Output including X-over, 9 PEQ, Gain, mute, compressor/limiter, phase, delay and link.
- All PEQ Gain, bandwidth, frequency continues adjustment. Type can be select by PEAK, L-SHELF, H-SHELF, LOW, CUT, HIGH CUT, ALLPASS1, ALLPASS2.
- ALL input/output can do matrix, and all the input and output channel name can be changed.
- All the input and output with independent phase curve adjust function, PEQ style choose ALLPASS 1 is 180° curve adjust, ALLPASS 2 is 360° curve adjust.
- All high cut, low cut filter type can be select by Butterworth, Link witz-Riley, Bessel, slope at -6dB/Oct to -48 dB/Oct can be chosen.
- Compressor, limiter, ratio, time can be adjustment for outputs.
- Maximal delay time 680ms for all input/output channels.
- Pre settings can copy for every single channel, every channel can do link adjust.
- Every input and output channel PEQ curve adjusting picture can be found when you are in any input and output.
- Inside single generator(pink, white noise and 20-20K sine wave, amplitude adjustable).
- Front panel has level indicator for input/output, USB port, RS232&485 and net ports remote control at rear panel.Easy for user's operations.
- 20 user presets can be save and recall, maximal 250 units can be link together via ID settings. Password protection function for high level applications.

D48 DSP PROCESSOR



Technical Specification

General

DSP Digital Processor	4 Input 8 Output
Frequency Response	20Hz-20kHz,-0.3dB
Dynamic Range	>115dBu
T.H.D	<0.005% at 1kHz (0dBu)
Crosstalk	>70dBu, 20Hz-20kHz
C.M.R.R.	>75dBu 1KHz

Input section

Type	XLR connect Balanced
Maximum Input Level	+18dBu
Impedance	1M Ω /stereo; 500K Ω /Mono

Output section

Type	XLR connect Balanced
Maximum output level	+18dBu
Impedance	<500 Ω

Digital processing

Processing DSP	24 bit sigma-delta A/D、D/A convert 32 bit DSP, 96kHz sampling rate
Display	20x2 characters LCD display all settings
Power supply	AC 95V-250V 50/60Hz

Physical data

Dimensions (W x H x D)	483 x 44 x 305 mm
Material	Metal
Finish	Black
Protection rating	IP2x
Weight	2.6kg / 5.7lb



D48 Dimensions CAD

