

D44 DSP PROCESSOR





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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.

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Technical Specification

General

DSP Digital Processor	4 Input 4 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



D44 Dimensions CAD

