OUTBOARD & PROCESSING

XTA DP324 SIDD DIGITAL DYNAMICS PROCESSOR



XTA DP324 (SiDD) Digital Dynamics Processor

Superb audio quality - carefully optimised double precision signal processing coupled with a 40-bit internal data path ensures a dynamic range in excess of 110dB. The high sampling rate means minimal filtering providing exceptional sonic purity. A highly accurate 6 band parametric equaliser on each input, providing +15 to -30dB of gain at centre frequencies between 20Hz and 20kHz, with a wide range of Qs available between 0.4 to 128. All parameters feature fine resolution with 1/36 octave frequency steps, 0.1dB gain increments, and 100 Q settings. Any parametric section can also be set to operate as a high or low shelving filter. A fully featured compressor with two bands of sidechain equalisation, and featuring variable knee and look-ahead delay for absolute control.

Features:
• Inputs 2 electronically balanced [++] Impedance: > 10k ohms. CMRR 65dB 50Hz
• 10kHz. Outputs 4 electronically balanced [++] Source Imp 60ohms Min. Load 600ohm Max. Level +20dBm into 600 ohm Frequency Resp. + dB 20Hz-20kHz Dynamic Range >110dB 20Hz-20k unwtd Distortion .02%@1kHz,+18dBm Maximum Delay 300 mS Min Step Size 2mS Input Gain +15dB in 0.1dB steps Output Gain -60dB
• +15dB in 0.1dB steps, and 'Off' Parametric Equalisation 6 per Channel Filter Gain +15dB to -30dB in 0.1dB steps. Frequency Range 20Hz
• 20kHz, 1/36 octave steps. (368positions) Filter Q / BW 0.4 to 128 / 2.5 to 0.008 (Sections switched to shelving response) Features:
• Low frequency 20Hz
• 1kHz High frequency 1kHz
• 20kHz Shelf gains 15dB in 0.1dB steps. High and Lowpass Filters, 1 of each per output. Freq. Range HPF 10Hz
• 16kHz 1 / 36 Oct.steps. Freq. Range LPF 35Hz
• 22kHz 1 / 36 Octave.steps.

Responses Bessel/Butterworth 12db/OctaveDynamics Processing Dynamic EQ module x 2 Gate/Expander x 2 Compressor x 2 Limiter x 2 Additional Processing Harmonics Gener Display 2x24 character backlit LCD Input meter 2 x 7 point, -18dB to +18dB. Output meter 2 x 7 point, -18dB to +18dB. Gain reduction & Threshold metering for each module. Connectors Inputs 3 pin female XLR; Outputs 3 pin male XLR. MIDI In 5 pin DIN;External 9 pin DEE connector (RS232) RS485 3 pin male XLR (out) 3 pin male XLR (in) Power 3 pin IEC Power 60 to 250V 15% @ 50/60Hz. Consumption 20 watts. Weight 3.5kg. Net (4.8kg. Shipping) Size 1.75 inch(1U) x 19 inch x 11.8 inch (44 x 482 x 300mm) excluding connectors. Options [++] =Transformers available. Optional Interfaces AES/EBU Digital Input/Output

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