

DPA480P

Description

DPA Series provide professional digital speaker management system. Designed to be catered for any crossover configuration, it provides the suitable processing and control necessary for both live and fixed installation use. It offers 2/3/4 analog inputs, 6/8 analog outputs, managed by a powerful DSP Engine, in addition to high performance 24 bit AD/DA Converters. Each input channel provides a choice of EQ with Parametric EQ, Noise Gate Function, Gain control, RMS Compressor, Internal White/Pink noise generator and configurable Delay. Each output offers up to 7-band of parametric equalization, in addition to the crossover filters which themselves provide slopes from 6dB/Octave up to 48dB/Octave. Each output path also features Peak Limiter and driver alignment Delay. The DPA Series supports a full matrix mixing mode where inputs may be routed/mixed in any ratio to any output. For remote configuration and control the DPA Series can be connected via USB or RS485 connections. The control remote PC software allows simultaneous control up to 32 units, setting all parameters and showing real time levels.

Applications

Rental Companies | Install Audio | Theatre



Specifications

Description	4 input 8 output Digital Processor
Connections	I/p: 4 x XLR, O/p: 8 x XLR
Minimum Load	150 ohm
THD + N	0.001% at 1kHz 0dBu
S/N	>100dBA
Frequency Response	20Hz-20kHz, -0.5dBu at 20Hz and 20 kHz
DSP Engine	Dream SAM3716, 24 bit (data) x 96 bit (coeff.)
DSP resolution	24 x 32 bit for filtering process
Parametric Equalization	5 filters per input selected as Bell or Shelving 8 filters per input selected as Bell or Shelving
Filter Type	Bessel, Butterworth, Linkwitz-Riley
Filter Gain	From -18dBu upto + 18dBu
Filter Q/BW	Q from 0.3 up to 20 by 0.1 resolution steps.
Crossover Sectio HPF/LPF	Butterworth 6/12/18/24/48dB per octave Bessel, Linkwits-Riley 12/24/48 dB per octave Filter resolution 1/48th of octave
RMS Limiter	Threshold from -14dBu up to +16dBu; Attack time from 10ms up to 1000ms (1ms resolution up to 20ms, 10ms resolution up to 100ms and 20ms resolution up to 200ms) Release time from 0.1 sec up to 3 sec (0.1 sec resolution)
Delay	900 ms input 21us increment/decrement steps per channel 340 ms output 21us increment/decrement steps per channel
Device presets	32 User Presets
Dimensions	19" x 1.75" x 9" (482 x 44 x 229mm) 1RU
Weight. Net/Shipping	7.71 lbs (3.5kg)/8.82 lb (4kg)