



DPA260P is a cost-effective 2-IN/6-OUT digital speaker management system. Designed to be catered for any crossover configuration, it provides the suitable processing and control for live application use. It offers 2 analog inputs, and 6 analog outputs, managed by a powerful DSP Engine, in addition to 24 Bit AD/DA Converters. Each input channel provides a choice of EQ with a 11-band Parametric EQ, gain control, noise gate function, RMS Compressor, Internal White/Pink Noise Generator and configurable delay. Each output offers up to 5-band of parametric equalization into 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 DPA260P supports a full matrix mixing mode where inputs may be routed/mixed in any ratio to any output. For remote configuration and control the DPA260P can be connected via USB connection. The control remote PC software allows simultaneous control up to 32 units, setting all parameters and showing real time levels.

Features

Outstanding Performance

- Excellent sonic performance with 24bit high end converters coupled with 48kHz sample rate
- 2 inputs, 6 outputs with full matrix mixing

Top-grade DSP Engine

- 11 band parametric equalization per input channel
- 7 band parametric equalization per output channel
- Each band can be switched to Bell, Low/High Shelving with variable Q response
- Crossover filters with slopes from 6dB/Octave up to 48dB/Octave including Butterworth, Bessel, Linkwitz-Riley
- Each output features a dynamic range controller composed of a Peak Limiter.
- Adjustable Delay time up to 900 ms for every input channel, and up to 340 ms for every output channel
- Phase correction per output channel

Direct PC/Network Connection

- Front panel USB connector for direct PC communications, system setup, monitoring and control via fully manageable remote PC software

Control

- Front panel interactive LCD display for local access and configuration
- Front panel 7-LED level meter indicators per channel
- Simultaneous control up to 32 units via PC software
- Up to 48 storable user presets
- Security Lockout

Specifications

Audio	
Analog Input	2 x XLR electronically balanced
Analog Output	6 x XLR electronically balanced
Minimum Load	150 ohm
THD+N	0.001% at 1kHz 0dBu
S/N	>106 dBA
Frequency Response	20Hz – 20kHz; -0.5dBu at 20Hz and 20kHz
AD & DA Converters	CS42528 24bit

DSP and Processing	
DSP Engine	MARANI M704, 24bit (data) x 96 bit (coeff.)
DSP Resolution	24x32 bit for filtering process 96 bits resolution on intermediate computation results
Parametric Equalization	11 filters per input selected as Bell or Shelving 7 filters per output selected as Bell or Shelving
Filter Type	Bell, Shelving
Filter Gain	From -12dBu up to +12dBu by 0.5dBu resolution steps
Center Frequency	Selectable with a 1/24th of octave resolution step from 20Hz up to 20kHz
Filter Q/BW	Q/BW Q from 0.4 up to 12 by 0.1 resolution steps
Crossover Section HPF/LPF	Butterworth 6/12/18/24 dB per octave Bessel 12/24 dB per octave Linkwitz-Riley 12/24/36/48 dB per octave
Internal Noise Generator	White/Pink Noise, level from -30dBu to 0dBu
Input Noise Gate	Threshold from -90 dBu up to -60 dBu
RMS Compressor	Threshold from -14 dBu up to +16dBu Ratio: 2:1~100:1; Knee: 0%~100% Attack time from 5ms up to 200ms Release time from 0.1 sec up to 3 sec
Delay	900 ms for every input channel and 340 ms for every output channel
Ground Noise	-89 dBu

General	
Device Presets	48 User Presets
Front Panel	2x24 character LCD display with green LED backlight 7-LED meter per input channel -20dBu to +15dBu, clip 7-LED meter per output channel -15dBu to +15dBu, clip Blue LED (Edit) and Red LED (Mute) per channel NAV/PM1 Rotary encoder push button switch PM2, PM3, ENTER, ESC, UTILITY push button switches EDIT/MUTE push button per channel USB type B connector
Rear Panel	2 x XLR female connector (Input) 6 x XLR male connector (Output) 2 x Ground-lift toggle switch IEC C13 16A connector; Power on/off switch
Main AC	90-240VAC (50/60Hz) – 40W
Dimensions	19"x 1.75"x 9" (483x44x229mm) 1RU
Weight, Net / Shipping	7.71 lbs (3.5 Kg) / 8.82 lb (4 Kg)