

**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 MARANI® DSP Engine, in addition to 24 Bit AD/DA Converters. Each input channel provides a choice of EQ with a 11-band Parametric Filters, gain control, Dynamic Low boost, noise gate function, RMS compressor, internal White/Pink Noise Generator, and configurable delay. Each output offers up to 7-band of parametric

equalization in to the crossover filters which themselves provide slopes from 6dB/Octave up to 48dB/Octave. Each output path also features peak limiter or RMS Compressor selectable, Dynamic Loudness filter (only Output 1,3,5) 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 or RS485 connections. 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, Shelving  
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/Rms Compressor  
Adjustable Delay time up to 900 ms for every input channel, up to 340ms for every output channel  
Phase correction per Input/output channel

#### Direct PC/Network Connection

Rear panel USB connector for direct PC communications  
Rs485 connection for 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

### Applications

- Auditoriums
- Houses of Worship
- Theaters
- Performing Art Centers
- Convention Centers
- Stadiums and Arenas
- Touring Musicians
- Stage Monitoring System digital



### 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 OdBu
S/N	>106dBA
Frequency Response	20Hz - 20kHz; -0.5dBu at 20Hz and 20kHz
AD & DA Converters	24bit - 48kHz

### DSP & Processing

DSP Engine	MARANI® DSP, 24bit (data) x 96 bit (coeff.)
DSP Resolution	24bit (data) x 24 bit (coeff.), 54 bit accregisters 96 bit precision on intermediate processing data
Parametric Equalization	11 filters per input 7 filters per output
Filter Type	Bell, Shelving
Filter Gain	From -12dBu up to +12dBu by 0.5dBu resolution steps
Center Frequency	from 20Hz up to 20kHz with 1Hz resolution steps
Filter Q/BW	Q from 0.4 up to 128
Input gain	From -12dB to +12dB by 0.1dBu resolution steps;
Output gain	From -18dB to +12dB by 0.1dBu resolution steps;
Crossover Section HPF/LPF	Butterworth 6/12/18/24/36/48 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 OdBu
Input Noise Gate	Threshold from -90dBu up to -60dBu
Input RMS Compressor	Attack time from 1ms up to 1000ms; Release time from 10ms up to 1000ms Threshold from -14dBu up to +16dBu and Byp Ration 2:1~100:1; Knee: 0% ~ 100%
Output RMS Compressor (if selected)	Attack time from 5ms up to 200ms; Release time from 0.1 sec up to 3 sec Threshold from -14dBu up to +16dBu and Byp Ration 2:1~100:1; Knee: 0% ~ 100%
Output Peak Limiter (if selected)	Attack time from 5ms up to 200ms; Release time from 0.1 sec up to 3 sec Threshold from -14dBu up to +16dBu and Byp
DLF	Input: Boost Filter from 0% to 100%; Frequency from 20Hz to 20kHz; Output(Only for output 1,3,5): Attenuation Filter from OdBu to -6dBu; Frequency: 20Hz to 1kHz Q from 1 to 9.9 step 0.1
Delay	900 ms 10.4us increment/decrement steps per input channel 340 ms 10.4us increment/decrement steps per output channel
Ground Noise	-90dBu

### 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 and limiter mode Blue LED (Edit) per channel 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) 1 x XLR female connector for RS485 (Input) 1 x XLR male connector for RS485 (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)

Specifications subject to change without notice

Designed in Italy Assembled in China

# DPA260P