DP260

2IN 6OUT Loudspeaker Management System

- 2 Inputs and 6 Outputs with routing
- Dual 24bit, 48kHz sampling rate
- Crossover slopes: 6, 12, 18, 14, 36, 48dB/Oct
- Adjustable threshold, attack and release times
- Phase invert switch per output

OVERVIEW

The NEXT DP260 is an accurate yet affordable sound processor, for professional sound system management, considerably more powerful than similarly priced units, providing a versatile and economical alternative for system designers.
This digital speaker processor delivers excellent sound quality and an impressive variety of processing functions. It features 2 inputs and 6 outputs, and has a 3 band parametric equalizer for each input. Outputs all feature crossover filters, 5 band parametric equalizer, phase inversion, gain, source selector, delay and fully featured high performance limiter with complete control over attack, release and threshold parameters. Other features included a choice of 6 to 48dB/Octave roll-off, and Butterworth, Bessel, Linkwitz-Riley or 12dB variable Q, responses.

Independent control of each high and low pass filter allows asymmetric crossover bands to be created. Inputs and outputs can be routed in multiple configurations to meet any requirement.

Three velocity-sensitive encoders provide a familiar and intuitive control format with all filter information displayed simultaneously on a backlit LCD screen. Full metering is provided for inputs and outputs, with mute/access buttons allowing quick set up and gain adjustment. The NEXT DP260 is provided with PC compatible control software for full system set up and management. Just complete your system set up in a real time basis and save your configuration in the processor via the delivered USB wire.

TECHNICAL SPECIFICATIONS

Inputs and Outputs	
Input Impedance:	>10k
Output Impedance:	50
Maximum Level:	+20dBu
Type:	Electronicaly balanced
Audio Performance	
Frequency Response:	± 0.5dB (20Hz to 20.000Hz)
Dynamic Range:	95dB (unweighted)
CMMR:	>102dB (50Hz to 10.000Hz)
Crosstalk:	100dB
Distortion:	0.005% (1.000Hz at +4dBu)
Digital Audio Performance	
Processor (DSP):	40Bit floating point
Sampling Rate:	48kHz
Analogue Converters:	24Bit
Propagation Delay:	1,5ms
Audio Control Parameters	
Gain:	-40dB to +6dB in 0.1dB steps
Polarity:	+/-
Delay:	Up to 6.979ms (2.397m) per output
Equalization	
Variable Equalizers:	7 output or 3 input and 5 output (selectable)
Type:	Parametric
Gain:	-30dB to +15dB in 0.1dB steps
Bandwidth:	0.011 to 2 octaves (Q=0.5 to 128)
Crossover	
Available:	2 individual filters per output
Type:	Butterworth, Linkwitz Riley, Bessel (Variable Q)
Slopes:	6dB to 48dB per octave
Compressors ands Limiters	
Available:	1 limiter per output channel
Threshold:	-10dB to +15dBu
Attack:	0,3ms to 90ms
Release:	2x to 32x the attack time
Compressor Ratio:	1:40
System Parameters	
Nr. of Programs:	30
Delay Units:	ms, m
Frequency Modes:	36 steps/octave, 1Hz resolution
Security Locks:	Password
Channel Names:	5 characters
Front Panel Controls	

Display:	2x 16 characters backlit LCD
Level Meters:	6 Segment LEDs
Buttons:	6 mute/channel controls, 6 system menu controls
Dial Encoder:	3 speed-sensitive rotary encoder
Connectors	
Audio Input:	3 pin XLR
RS-232:	Female DB-9
USB:	Type B
Power:	Standard IEC socket
General	
Power Requirements:	90-250 VAC (50Hz - 60Hz) - 18VA
Dimensions (WxDxH):	483mm x 168mm x 44.5mm
Net Weight:	3,6Kg