Processor

DMS26

Digital system processor

2 analog inputs / 6 analog outputs
24 bit/96 kHz D/A Converters
50 presets

Features

High audio quality
Dedicated APG Presets
Control software
Easy to use

Specifications

Bandwidth: 10 Hz - 40 kHz
Dynamic range >112 dB
High and low-pass filters Off, 10 Hz to 25.4 kHz, 1/36 octave steps
Crossovers Bessel, Butterworth, Linkwitz Riley, Hardman
Delay 400 ms on inputs, 80 ms on outputs
Limiter Threshold adjustable by 0.2 dB steps
Parametric EQ 6 on each input and output
Lock function for front panel control

Serial Port standard
Optionnal adaptor USB/RS232 (All 5 dB)
Network Port option (BVnet Card)
USB/RS232 interface option (BVnet adaptor)

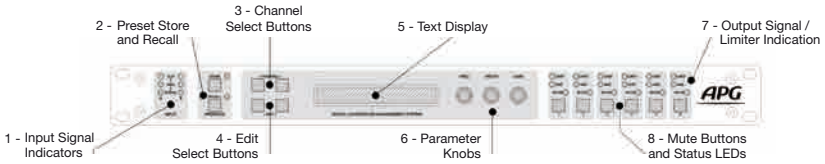
The DMS26 is a 2 in/6 out digital processor offering all the necessary routing and distribution functionalities for system management.
The use of high specification converters and the quality of its design confer it an unprecedented level of performance. Its intuitive interface is based on the use of three velocity-sensitive rotary encoders, giving instant access to most parameters.
The DMS26 includes all the necessary processing functions:
On each input: Gain, High and Low-pass filters, High and Low shelving, 6 band parametric EQ
and delay on each output: Gain, Crossovers, High and Low shelving, 6 band parametric EQ, phase reverse, delay and limiter
A complete set of parameters can be saved, and later recalled, in one of the 50 presets.
As well as being easy to use on its own, the DMS26 can be controlled by the APG Live Manager software, via the RS232 port or an USB adapter (see list). Option NT26 offers networking of
several units. Presets are available for custom applications or for standard processing of Micro Axial, Micro and Dispersion Series loudspeakers.
The BVNETCARD and BVNETADAPT options enable to put into a network and remotely manage processing racks for several equipments. Standard or custom made presets are provided for the processing of APG micro, micro axial, dispersion and Uniline speaker systems.

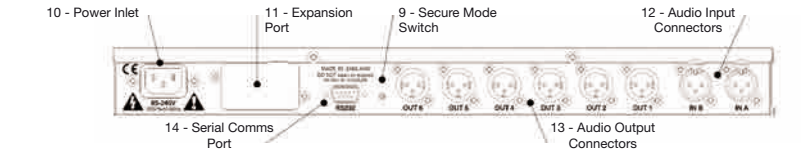
Digital System Processor DMS26

The digital system processor DMS26 is primarily intended for the management and processing of large systems.
The DMS26 can also be used for the processing of multiple loudspeakers in applications where they are used well within their limits, as a replacement for static APG processors. In that case, presets for Micro Axial, Micro and Dispersion Series loudspeakers and associated subwoofers are available on request.
The number of filtering, EQ and time-alignment functions makes the DMS26
ideal for the management of FOH systems, such as mixed Matrix Array APG4000 and APG6000 and subwoofers, with front or side-fill and delay complement.
The APG Live Manager software is quickly installed, usable instantly and offers real-time control of all relevant parameters.
The combination of DMS26 (for system management and processing) and APG dynamic processors (for active processing and dynamic protection) constitutes a sophisticated, versatile and reliability-oriented solution for any APG system.

APG

DMS26
Technical Specifications





General	DMS26
Inputs	2
Input Impedance	> 10k Ohm, Electronically balanced
Maximum Input level	+20 dBu
Outputs	6
Output Impedance	<100 Ohm, ground balanced
Maximum Output Level	+20 dBu into 600 Ohm load
Sample Rate	96 kHz
Bit Depth	24 bits
Frequency Response	10 Hz à 40 kHz, +/-3 dB (filters disabled)
	20 Hz à 20 kHz, +/-0,5 dB (filters disabled)
THD	<0,01 %, (+10 dBu, 20 Hz to 20 kHz, 30 kHz bandwidth)
Dynamic Range	>112 dB (A weighted, 22 kHz bandwidth)
	>109 dB (un-weighted, 22 kHz bandwidth)
Serial Comms Data	38.4kbaud, format : 8 bits, 1 stop, no parity

Processing	
Gain	+20 dB to –80 dB and mute, 0,2 dB steps
Output Ch. Source	Input A, Input B and SUM
HP filter frequency	Off, 10 Hz to 25.4 kHz, 1/36 d'octave steps
LP filter frequency	10 Hz to 25.4 kHz and Off, 1/36 d'octave steps
LP / HP filter type	12, 18 and 24 dB/octave Bessel and Butterworth
	12, 24 and 48 dB/octave Linkwitz Riley
	4th or 8th order Hardman
Delay,	Input 400 ms, output 80 ms
Limiter	High performance limiter, adjustable threshold in 0.2 dB steps,
	automatic time constants
EQ Frequency	10 Hz to 25 kHz, 1/36 octave steps
EQ Gain	+15 dB to -15 dB, 0.2 dB steps
EQ Width	0.1 to 5.0 octaves bandwidth, 1/36 octave steps

Connectors	
Audio inputs	3 pin female XLR
Audio outputs	3 pin male XLR
Serial ports	RS232 / SUB D9
Network ports	BVNet Card option
Mains	3 pin IEC

Characteristics	
Mains Power	Universal switch-mode PSU, 85v to 250v AC, 50/60 Hz
Consumption	< 25 Watts
Dimensions (H, W, D)	1.7" x 19" x 10" (44 x 482 x 254 mm)
Weight	6 lb (2.7 kg)

Control Software
APG Live Manager

Control software of the DMS48F via a computer PC, smartphone or tablet.

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