

Digital Processors

DIGITAL
PROCESSORS



Los procesadores de señal D.A.S. han sido diseñados para un perfecto control de funcionamiento en una amplia gama de sistemas de refuerzo de sonido D.A.S. Los procesadores digitales de la serie DSP ofrecen un óptimo rendimiento y equilibrio entre vías.

The D.A.S. electronic signal processors have been designed for control and operation of a wide range of D.A.S. sound reinforcement systems. The digital DSP series, provide optimum performance and spectral balance between the ways.

MODEL	DSP-26	DSP-48
Type	Stereo/Mono Digital Processor	Stereo/Mono Digital Processor
Input Section		
Input Impedance	10 kohms electronically balanced	10 kohms electronically balanced
Max. Input Level	+20 dBu	+20 dBu
Input Gain	+/-15 dB variable in 0.1 dB steps	+/-15 dB variable in 0.1 dB steps
Input Connector	XLR-3F or equivalent	XLR-3F or equivalent
Output Section		
Output Impedance	<50 ohms, electronically balanced	<50 ohms, electronically balanced
Max. Output Level	+20 dBu into 600 ohms or greater	+20 dBu into 600 ohms or greater
Output Gain	+/-15 dB, variable in 0.1 dB steps	+/-15 dB, variable in 0.1 dB steps
Output Connector	XLR-3M or equivalent	XLR-3M or equivalent
Crossover Filters		
Slopes	6, 12, 18, 24, or 48 dB/oct. (Type dependant)	6, 12, 18, 24, or 48 dB/oct. (Type dependant)
Type	Bessel, Butterworth, or Linkwitz-Riley	Bessel, Butterworth, or Linkwitz-Riley
Delays		
Delay Step	21 us	21 us
Max Delay Time	630 ms	630 ms
Max. number of EQ filters	38 (depending on crossover slopes)	38 (depending on crossover slopes)
EQ Type	Parametric, Bell or shelving on any filter. Nine filters assigned to Dynamic EQ.	Parametric, Bell or shelving on any filter. Nine filters assigned to Dynamic EQ.
EQ Gain	+/-15dB, variable in 0.2dB steps	+/-15dB, variable in 0.2dB steps
Q (bandwidth)	0.05 to 3 octaves, variable in 0.05 steps	0.05 to 3 octaves, variable in 0.05 steps
EQ Frequency	15 Hz to 20 kHz	15 Hz to 20 kHz
Dynamic Slope	2:1 to 20:1 (dynamic EQ only)	2:1 to 20:1 (dynamic EQ only)
General Performance		
Frequency Response	15 Hz – 20 kHz, +0/-0.25 dB 5 Hz – 40 kHz, -3 dB	15 Hz – 20 kHz, +0/-0.25 dB 5 Hz – 40 kHz, -3 dB
Dynamic Range	>112 dB unweighted 22 Hz to 22 kHz >117 dB on AES/EBU input	>112 dB unweighted 22 Hz to 22 kHz >117 dB on AES/EBU input
Channel Separation	>80 dB, 30 Hz to 20 kHz	>80 dB, 30 Hz to 20 kHz
Distortion (THD)	<0.005%, 20 Hz – 20 kHz @ +10 dBu output	<0.005%, 20 Hz – 20 kHz @ +10 dBu output
Input Metering	-20 dB, -12 dB, -6 dB, -3 dB, CLIP relative to Clip point (+20 dBu)	-20 dB, -12 dB, -6 dB, -3 dB, CLIP relative to Clip point (+20 dBu)
Output Meter Indication	SIG (-40 dB), -20 dB, -12 dB, -6 dB, -3 dB, 0 dB, OVER (+6 dB) relative to limiter threshold setting	SIG (-40 dB), -20 dB, -12 dB, -6 dB, -3 dB, 0 dB, OVER (+6 dB) relative to limiter threshold setting
AC Requirements	90-250 V 50/60 Hz	90-250 V 50/60 Hz
Dimensions (H x W x D)	4.4 x 48.1 x 22.3 cm (3.5 x 19 x 8.8 in)	4.4 x 48.1 x 22.3 cm (3.5 x 19 x 8.8 in)
Weight	3.6 kg (8 lb)	3.6 kg (8 lb)