

DSP-2040



DESCRIPTION

The DSP-2040 offers a 2-In, 4-Out configuration with a wealth of features that make this processor ideal for use with small to medium sized live sound reinforcement projects.

The new DSP-2040 operates at 96 kHz to give a bandwidth of over 30 kHz and a dynamic range in excess of 116 dB. Connectors include two female XLR inputs, and four male XLR outputs. The DSP-2040 provides 8 bands of fully parametric equalization on inputs. Further, each output path features gain control, polarity, delay, and up to 9 parametric sections.

KEY FEATURES

- Digital Signal Processor
- 2 inputs and 4 outputs
- 9 full bandwidth parametric bands on every output
- 8 full bandwidth parametric bands on every input
- 48 dB/oct crossover filters on each output
- Adjustable gain on both inputs and outputs

APPLICATIONS

- House of worship
- Theatres, auditoria and performing arts centers
- Live music clubs
- Corporate A/V
- Live sound touring/Rental services

SPECIFICATIONS

Electronics and Connectors

CMRR	>65dB, 50 Hz to 10 kHz
Frequency Response	20 Hz - 20 kHz +/- 0.5 dB; -3dB @32 Hz
Total Harmonic Distortion	<0.02% @ 1kHz +18dBm
Sampling Rate	96 kHz
Crossover Filters	6, 12, 18, 24, 48 dB/oct Bessel, Butterworth, Linkwitz-Riley
Limiter Attack Time	Variable
Limiter Release Time	Variable
Limiter Threshold	+22 dBu to -10 dBu
Maximum Delay	650 ms
Maximum Output Level	+20 dBm into 600 ohms
Output Gain	+15 dB to -40dB in 1 step
Operating Range	60-240 VAC
Audio Signal Input Connector	2 x Female XLR RS232 9 Pin (Female) D Connector
Audio Signal Output Connector	4 x Male XLR
Certification Number	CB GB-6949-Z/M1

Dimensions-Weight

Dimensions (H x W x D)	44 x 482 x 300 mm 1,7 x 19,0 x 11,8 in
Net Weight	3,3 kg (7,3 lb)

Shipping

Carton Dimensions (H x W x D)	110 x 530 x 450 mm 4,3 x 20,9 x 17,7 in
Shipping Weight	4,5 kg (9,9 lb)

ORDERING INFORMATION

Performance

Model	Description	P/N
System		
DSP-2040		11105040

DIMENSIONS

