

Key Features:

- ▶ **Two Channel Digital Controller**
 - Two channel controller with six outputs assignable to either or both inputs
- ▶ **Comprehensive Crossover**
 - 12, 18, 24 or 48 dB/octave Crossover Filters
 - Butterworth or Linkwitz-Riley Slope Topologies
 - Mid-Filter Type Limiters with variable threshold
- ▶ **Equalization and Signal Delay**
 - Signal Delay of up to 600 ms in 21µs steps on inputs and outputs
 - Up to 30 bands of assignable Parametric EQ
- ▶ **Convenient Storage and Recall**
 - Pre programmed for JBL Systems
 - 60 user defined presets
 - Remote Midi Recall



Complete Signal Processing

The DSC260 provides two inputs and six outputs that can be assigned to either or both inputs. Typical applications include stereo three way systems. The unique flexibility of the DSC260 allows each output to be tailored to the exact requirements. This allows mono systems with up to six bands or a combination of mono or stereo crossovers and delays. The user can select the slope and type of crossover as well as frequency, polarity, level and limiter thresholds. In addition, up to 30 bands of EQ can be assigned to inputs or outputs eliminating the need for additional outboard equipment. Signal delays can be assigned to any input or output independently and can be linked to other channels for stereo or delay tower operation.

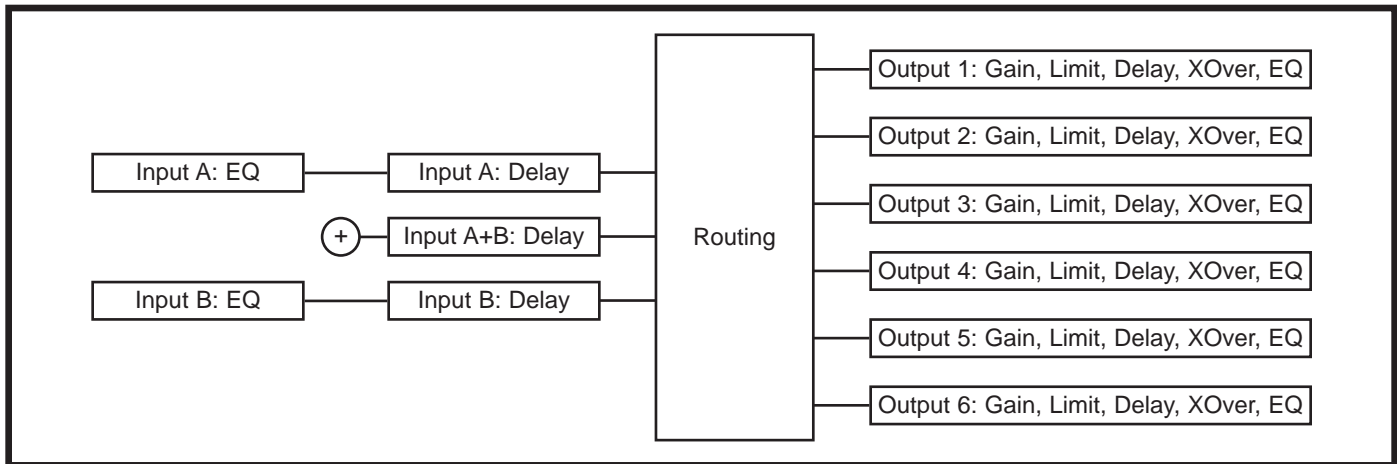
To assure optimum acoustic performance, careful consideration was given to the overall circuit design including high quality 20 bit A/D and D/A converters as well as minimal analog circuitry. The DSC260 achieves a very low noise floor, smooth amplitude response, and maximum dynamic range.

Specifications:

Inputs:	2 channels, Max. level +20dBu, 10kOhms impedance, Electronically Balanced, XLR connectors, pin 2+
Outputs:	6 channels, individually configurable, Max level +10dBu into 600 Ohms, Electronically Balanced, XLR connectors, pin 2+
Dynamic Range:	>100 dB
THD:	<0.05%, 20Hz-20kHz, @+10dBu
Configuration:	Stereo 2 and 3 way, Mono 4, 5 and 6 way
Crossover:	Butterworth or Linkwitz-Riley with slopes of 12, 18, 24 or 48dB per octave
Front Panel Controls:	Softkeys for programming functions. Mute on each output and LED level meters on each input and outputs with Clip, mute and limit
Display:	2 x 16 Character Backlit LCD
Limiters:	Mid Band Limiters with variable threshold of -10 to +10dBu
Frequency Response:	20Hz - 20kHz <+-0.5dB
Power Requirement:	100-240 Volts 50/60Hz +-10%
Sample Rate:	46.875kHz
Assignable Equalization:	An array of between 8 and 30 bands of parametric equalizer can be assigned to the inputs and outputs. Dependant upon slopes of crossovers used.
Dimensions:	44.4 x 483 x 203 HxWxD 1.75" x 19" x 8"
Weight:	2.8 kg (6.2 lbs)

JBL continually engages in research related to produce improvement. New materials, production methods and design refinements are introduced into existing products without notice as a routine expression of that philosophy. For this reason, any current JBL product may differ in some respect from its published description but will always equal or exceed the original design specifications unless otherwise stated.

► DSC260 Digital System Controller



Applications

The JBL DSC260 is loaded with many factory settings for JBL Systems, HLA, Architectural Series, Array and many other popular systems are included as standard. In addition to factory presets, the user can program complete new systems. Each output is fully configurable in high and low pass frequency as well as the source from each input. In addition to optimizing system crossovers, additional outputs can be summed for mono subwoofer feeds, balcony delays or downfills if not used for normal crossover functions.

Freely assignable EQ removes restrictions placed on the user by other types of digital controllers. This removes the requirements for separate equalization units in many fixed installations.

The DSC260 can also be used as a compact matrix system with programable zones with EQ, delay and source routing for ballroom and convention applications.

Architects and Engineers Specifications:

The Digital System controller shall be a two channel device and it shall provide 2, 3, 4, 5 or 6 way active crossover characteristics. Each band shall provide transducer parametric equalization, signal alignment, polarity switching and protection limiting.

The crossover shall be configured as independent Lo-pass and Hi-pass filters with programmable Butterworth or Linkwitz-Riely response and 12, 18, 24 and 48 dB per octave slopes. The parametric equalizer shall have from 8 to 30 bands, dependent upon crossover slope configurations. Bell, Low shelving or high shelving type response is selectable for each band as well as gain in 0.5dB steps and frequency in approximately semitone

steps. The delay shall be adjustable in 21µs steps on each input and output for up to 600ms of delay.

Inputs and outputs shall be electronically balanced and shall be through XLR connectors. The controller shall be equipped for remote program recall via MIDI. Each output can have as its source input A, input B or a sum of both.

Individual output muting shall be activated by front panel softkeys and indication of signal levels shall be provided in separate LED bar graphs. The front panel shall also include a combination of LCD display and softkeys for user access to programmable functions.

The controller shall be self-configurable for 100V, 120V, 220V or 240 V power mains. The unit shall mount in a standard 483mm (19 in) rack and shall be one rack unit (44.4mm or 1.75") high.

The controller shall be the JBL Model DSC260.



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