DIGITAL CHANNEL DIVIDER

D2040

- *High-performance stereo 4-channel (2-in/8-out) digital channel divider.*
- *RS-485 serial interface allows external computer control over all parameters.*
- *Top-performance A/D and D/A converters provide outstanding audio quality, with 110-dB signal-to-noise ratio and frequency response of 20 Hz to 20 kHz.*
- *Independent crossover filter, EQ, compression and digital delay available on each channel.*
- *Fader settings and digital parameters can be stored to 15 user memory locations.*

■ GENERAL SPECIFICATIONS

Analog Inputs	2 channels, electronically balanced, XLR type connectors, nominal +4dBm, maximum +24dBm, 10kΩ impedance.
Outputs	8 channels, electronically balanced, XLR type connectors, nominal +4dBm, maximum +24dBm, 150Ω impedance.
Digital Inputs	AES/EBU (XLR type connector), Yamaha Y2 (8-pin DIN type connector)
Sampling Frequency	48kHz (analog in) /44.1kHz/32kHz
A/D Converters	19 bits x 2
D/A Converters	20 bits x 8
Frequency Response	20Hz—20kHz
S/N Ratio	110dB typical (analog in, emphasis on)
T.H.D	Less than 0.03% @ 1kHz, +4dBm
Internal Memory	15 user RAM locations
Control Interface	RS485, 9600/38,400 baud, XLR type connectors (male and female)
Analog Attenuators	Motor-drive, post-D/A
Digital Attenuators	–6dB—+6dB, 0.5dB setps
Filters	HPF frequency: 20Hz—18kHz LPF frequency: 20Hz—18kHz HPF,LPF slope: –24, –18, –12, –6, THRU HPF, LPF cutoff gain: –6, –5, –4, –3
Parametric EQ	2 bands per channel Frequency: 50Hz—10kHz, 1/6 oct steps Gain: –40dB—+12dB,1dB steps Q:0.1—40
Phase	Normal/Reverse
Delay	Range: 0—1,300 milliseconds, 21 µs increments at 48 kHz, 23 µs increments at 44.1 kHz, 31µs increments at 32 kHz
Compressor/Limiter	Threshold: 0dB—+2dB Comp ratio: 1:1—∞:1 Attack time: 1—20 milliseconds Release time: 0.01—2 seconds
Muting	Individual channel and master
Level Indicators	7-segment LED peak indicators x 2, including CLIP indicator, pre-D/A
Dimensions (WxHxD)	480 x 101 x 389.6mm (18-7/8" x 4" x 15-3/8")
Weight	8.5kg (18.7 lbs.)